

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051161.D
 Acq On : 13 Sep 2018 10:38
 Operator : MD\SY
 Sample : VN0913WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 11:47:00 AM

Quant Time: Sep 14 01:41:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	578074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	829794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	736593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	345332	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.59	113	331793	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.09	98	1217180	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	375713	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90386	16.21	ug/l	96
3) Chloromethane	2.06	50	123410	16.78	ug/l	100
4) Vinyl Chloride	2.18	62	125501	16.40	ug/l	100
5) Bromomethane	2.56	94	68837	15.26	ug/l	99
6) Chloroethane	2.70	64	78045	16.53	ug/l	99
7) Trichlorofluoromethane	3.01	101	175214	17.28	ug/l	97
8) Diethyl Ether	3.41	74	67011	17.97	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	110440	16.90	ug/l	100
10) Methyl Iodide	3.95	142	69787	15.76	ug/l	98
11) Tert butyl alcohol	4.80	59	49416	100.57	ug/l	97
12) 1,1-Dichloroethene	3.73	96	100893	16.36	ug/l	99
13) Acrolein	3.61	56	44910	91.89	ug/l	98
14) Allyl chloride	4.32	41	155208	16.52	ug/l	99
15) Acrylonitrile	5.00	53	212586	97.64	ug/l	99
16) Acetone	3.82	43	160923	97.61	ug/l	97
17) Carbon Disulfide	4.05	76	293639	16.23	ug/l	100
18) Methyl Acetate	4.33	43	105337	20.45	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	296974	18.22	ug/l	97
20) Methylene Chloride	4.55	84	122552	17.25	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	109816	16.42	ug/l	98
22) Diisopropyl ether	5.96	45	349808	18.76	ug/l	97
23) Vinyl Acetate	5.90	43	1164904	92.31	ug/l	99
24) 1,1-Dichloroethane	5.85	63	209234	17.68	ug/l	99
25) 2-Butanone	6.84	43	239799	94.81	ug/l	100
26) 2,2-Dichloropropane	6.83	77	161935	16.72	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	125228	17.07	ug/l	99
28) Bromochloromethane	7.20	49	103495	19.65	ug/l	97
29) Tetrahydrofuran	7.22	42	159993	101.30	ug/l	99
30) Chloroform	7.37	83	211252	17.95	ug/l	98
31) Cyclohexane	7.66	56	175104	16.44	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	179093	17.86	ug/l	99
36) 1,1-Dichloropropene	7.80	75	155028	17.02	ug/l	99
37) Ethyl Acetate	6.94	43	109007	20.66	ug/l	99
38) Carbon Tetrachloride	7.77	117	161166	17.97	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0913WBS01

Manual Integrations
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MMDadoda
 9/14/2018 11:47:00 AM

Quant Time: Sep 14 01:41:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156622	15.58	ug/l	96
40) Benzene	8.04	78	487762	17.77	ug/l	99
41) Methacrylonitrile	7.17	41	47635	17.50	ug/l	95
42) 1,2-Dichloroethane	8.13	62	146745	18.34	ug/l	99
43) Isopropyl Acetate	8.17	43	184058	19.77	ug/l #	89
44) Trichloroethene	8.84	130	129024	17.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	129111	18.20	ug/l	97
46) Dibromomethane	9.21	93	78029	18.03	ug/l	99
47) Bromodichloromethane	9.40	83	162456	18.46	ug/l	96
48) Methyl methacrylate	9.20	41	89971	19.83	ug/l	97
49) 1,4-Dioxane	9.20	88	28002	393.59	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	536542	104.21	ug/l	100
52) Toluene	10.16	92	300931	17.98	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	154199	17.51	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	183745	17.79	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	116040	19.08	ug/l	99
56) Ethyl methacrylate	10.43	69	139161	18.67	ug/l	99
57) 1,3-Dichloropropane	10.71	76	190217	18.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	315162	101.50	ug/l	99
59) 2-Hexanone	10.75	43	343435	98.36	ug/l	98
60) Dibromochloromethane	10.90	129	126850	18.51	ug/l	98
61) 1,2-Dibromoethane	11.01	107	112550	18.93	ug/l	99
64) Tetrachloroethene	10.63	164	115798	17.23	ug/l	98
65) Chlorobenzene	11.44	112	323499	17.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	123652	18.50	ug/l	98
67) Ethyl Benzene	11.51	91	519219	17.27	ug/l	100
68) m/p-Xylenes	11.62	106	408034	35.32	ug/l	99
69) o-Xylene	11.95	106	197028	17.61	ug/l	99
70) Styrene	11.96	104	305756	17.62	ug/l	98
71) Bromoform	12.13	173	90017	19.13	ug/l #	100
73) Isopropylbenzene	12.25	105	519938	18.15	ug/l	99
74) N-amyl acetate	12.07	43	131796	18.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150464	22.00	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	118603m	21.55	ug/l	
77) Bromobenzene	12.53	156	134351	17.46	ug/l	98
78) n-propylbenzene	12.59	91	558330	17.73	ug/l	100
79) 2-Chlorotoluene	12.68	91	344317	17.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	412920	17.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32977	18.34	ug/l	97
82) 4-Chlorotoluene	12.77	91	340059	17.41	ug/l	98
83) tert-Butylbenzene	12.99	119	356775	17.45	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	418378	18.37	ug/l	99
85) sec-Butylbenzene	13.17	105	459520	17.52	ug/l	99
86) p-Isopropyltoluene	13.29	119	389272	17.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	214277	16.42	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	207582	17.33	ug/l	98
89) n-Butylbenzene	13.62	91	272624	15.76	ug/l	97
90) Hexachloroethane	13.88	117	77700	18.81	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	214891	16.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19624	20.45	ug/l	99

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Manual Integrations
APPROVED

MMDadoda
9/14/2018 11:47:00 AM

Quant Time: Sep 14 01:41:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75746	15.32	ug/l	99
94) Hexachlorobutadiene	15.01	225	67476	17.05	ug/l	99
95) Naphthalene	15.13	128	153166	15.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	82158	16.11	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

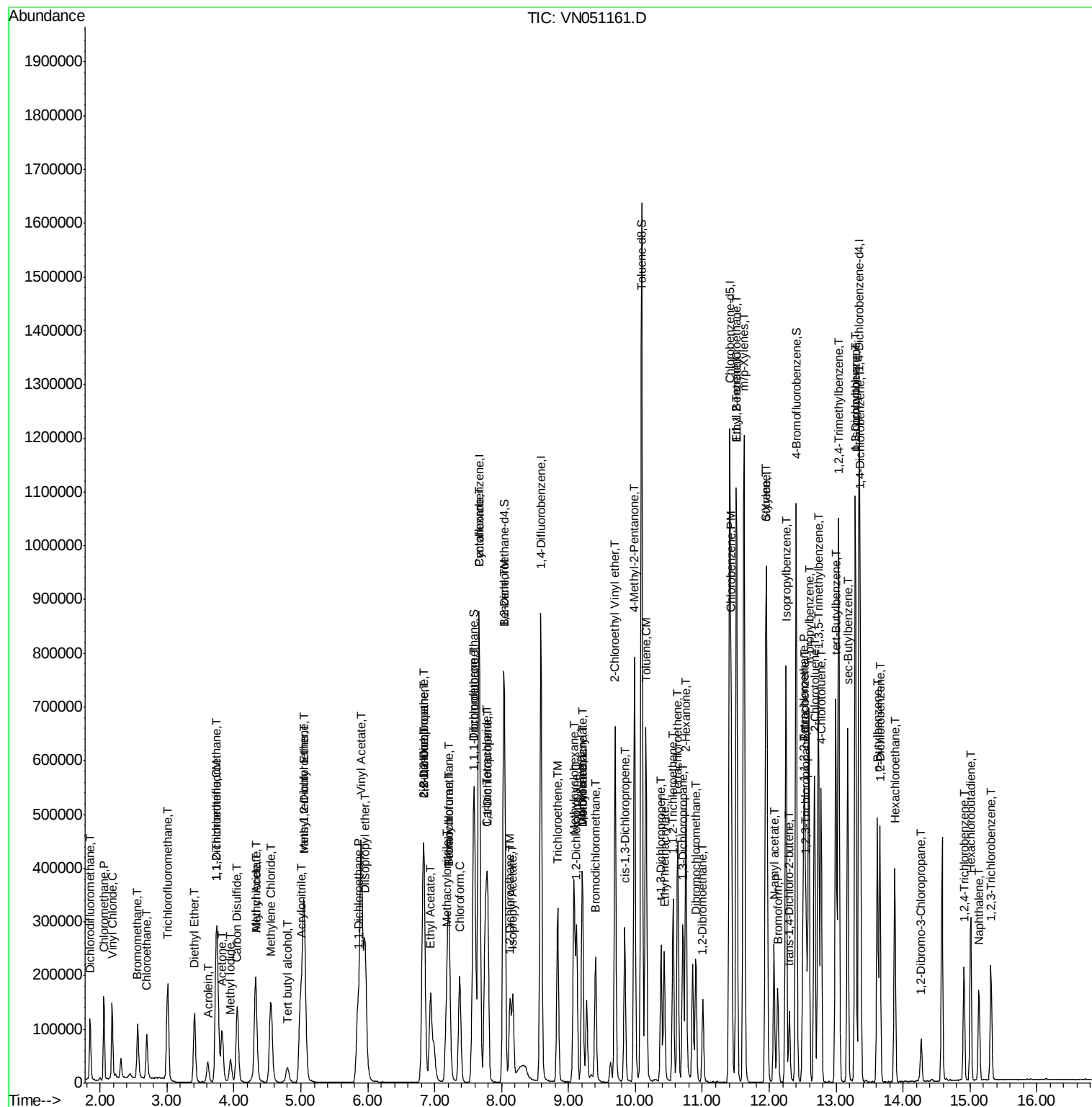
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
Data File : VN051161.D
Acq On : 13 Sep 2018 10:38
Operator : MD\SY
Sample : VN0913WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

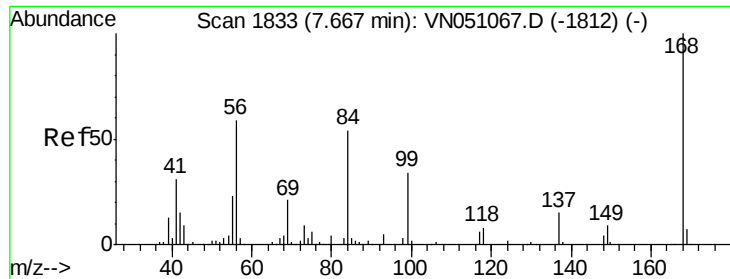
Instrument :
MSVOA_N
Client Sampled :
VN0913WBS01

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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
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#1

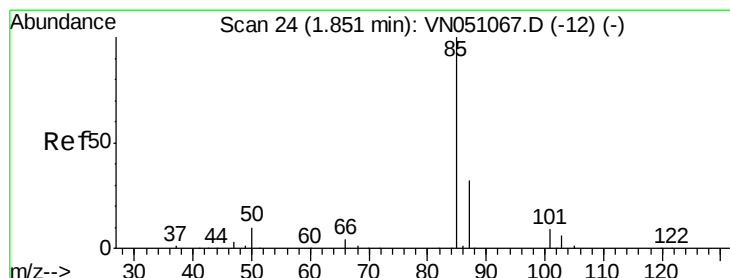
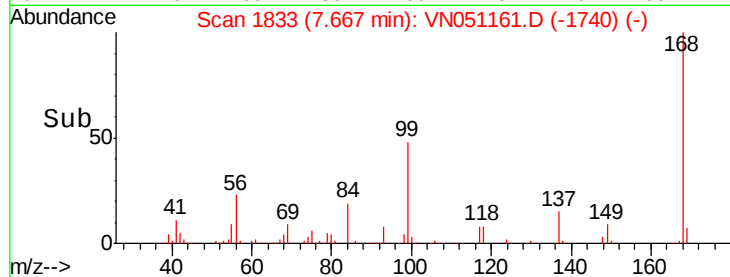
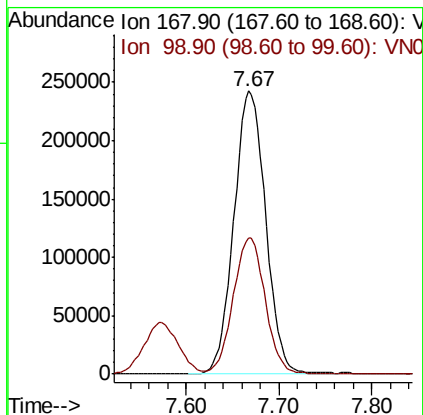
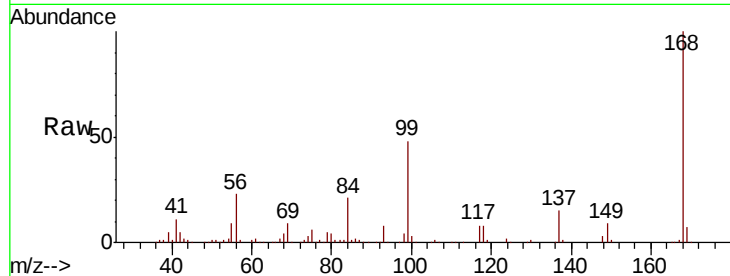
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.0	38.3	57.5

Manual Integrations
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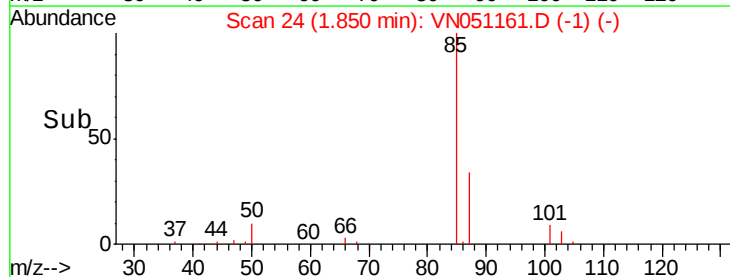
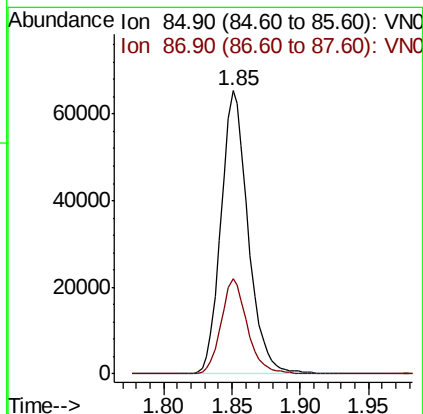
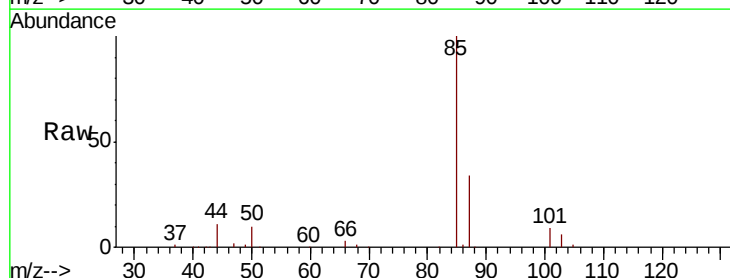
MMDadoda
 9/14/2018 11:47:00 AM

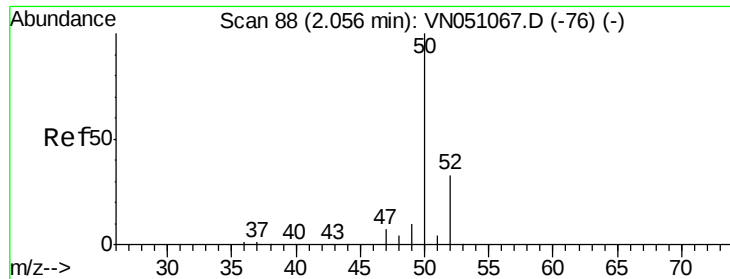


#2

Dichlorodifluoromethane
 Concen: 16.21 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	15.9	47.6





#3

Chloromethane

Concen: 16.78 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 50 Resp: 123410

Ion Ratio Lower Upper

50 100

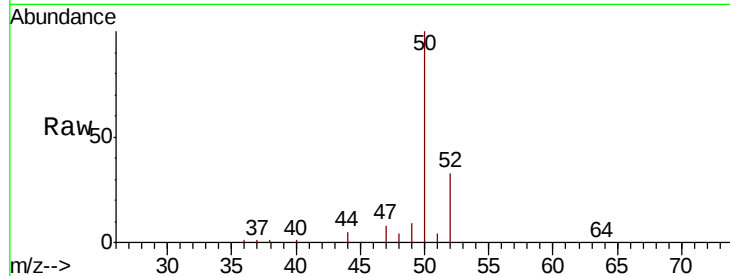
52 32.7 26.0 39.0

Manual Integrations

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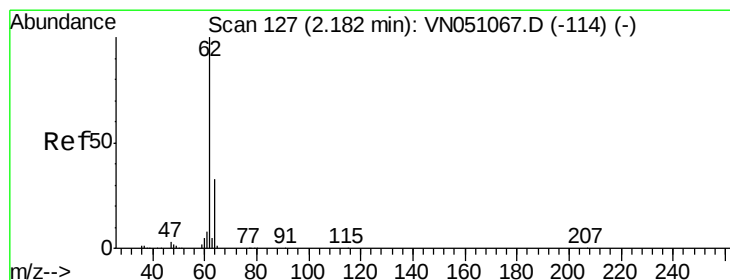
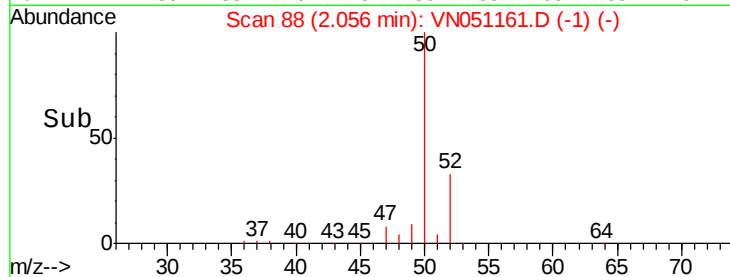
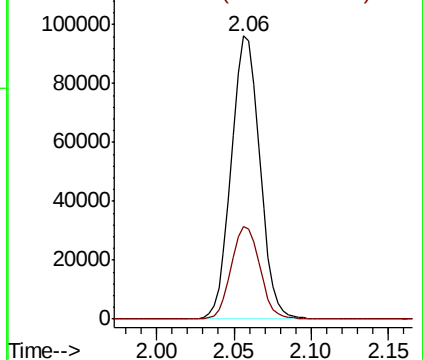
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 16.40 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051161.D

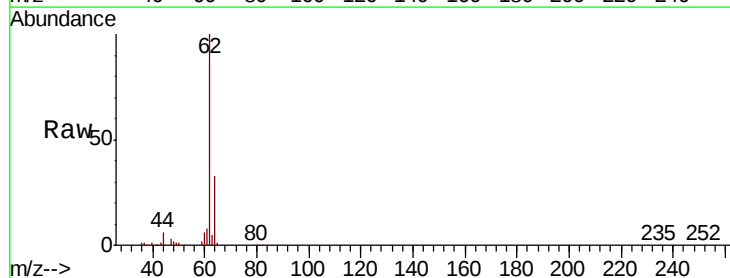
Acq: 13 Sep 2018 10:38

Tgt Ion: 62 Resp: 125501

Ion Ratio Lower Upper

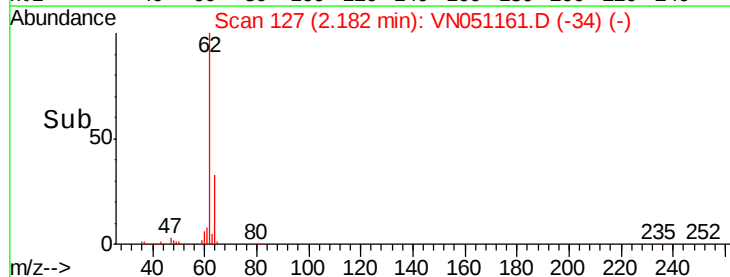
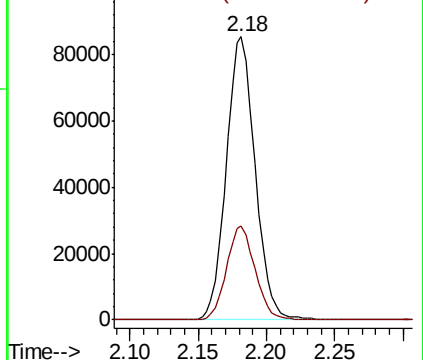
62 100

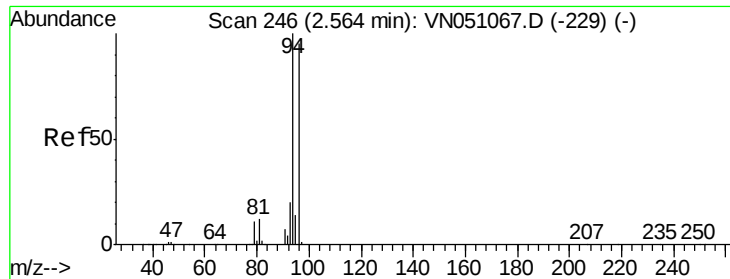
64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 15.26 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 94 Resp: 68837

Ion Ratio Lower Upper

94 100

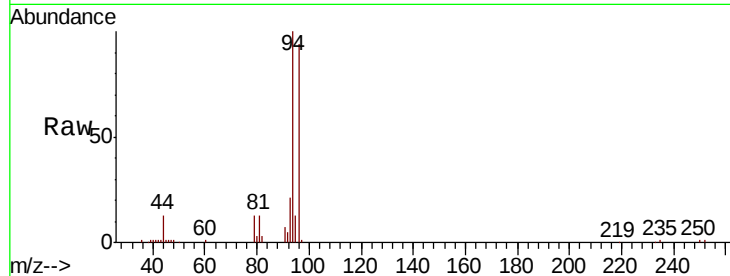
96 93.5 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

20000

10000

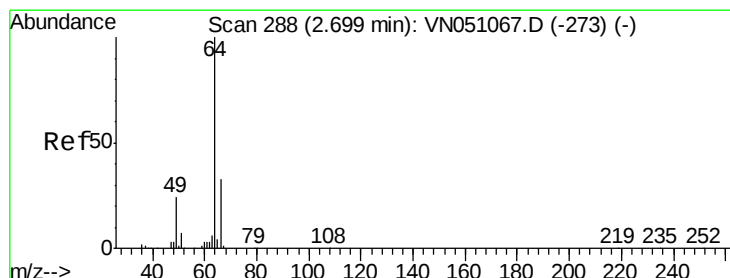
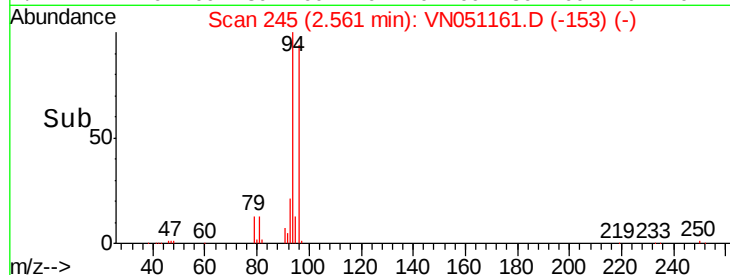
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 16.53 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051161.D

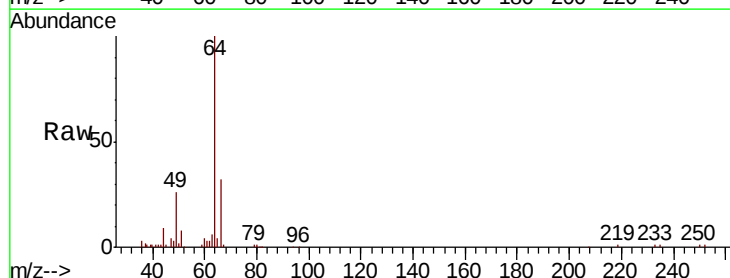
Acq: 13 Sep 2018 10:38

Tgt Ion: 64 Resp: 78045

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

40000

30000

20000

10000

0

Time-->

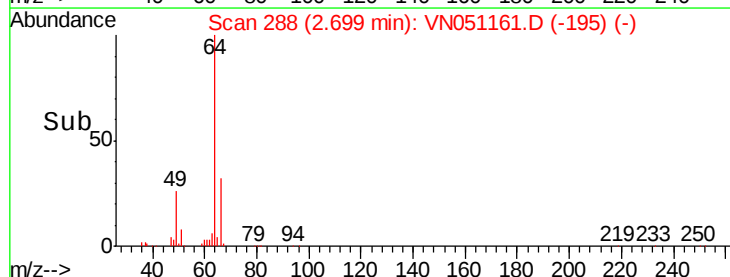
2.60

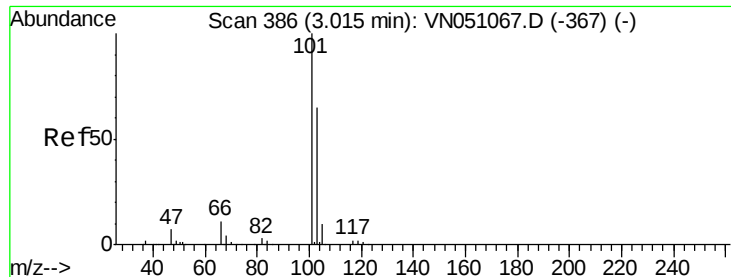
2.65

2.70

2.75

2.80





#7

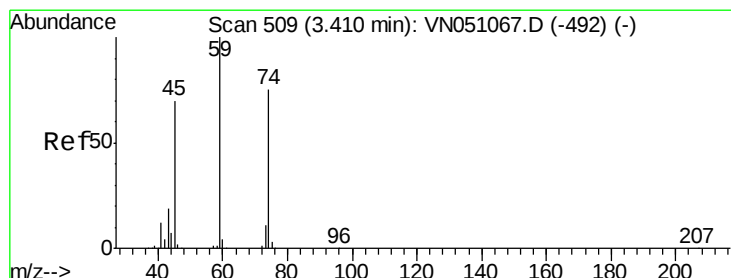
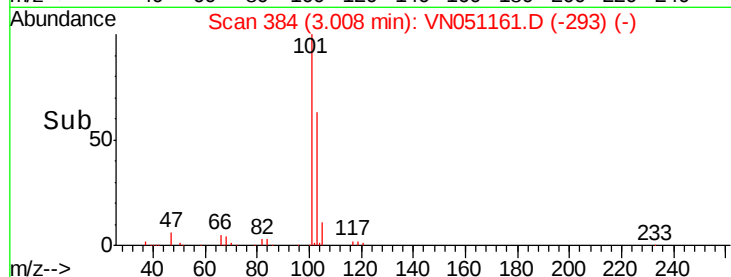
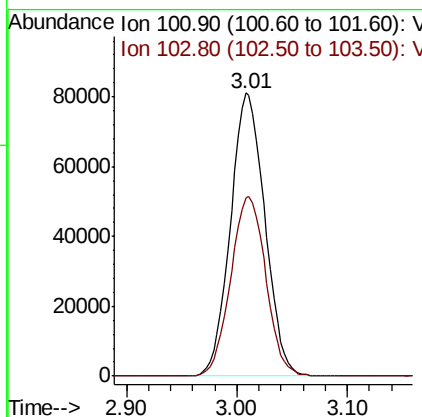
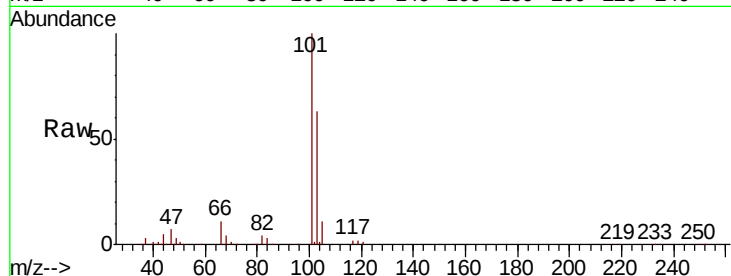
Trichlorofluoromethane
 Concen: 17.28 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.4	78.6

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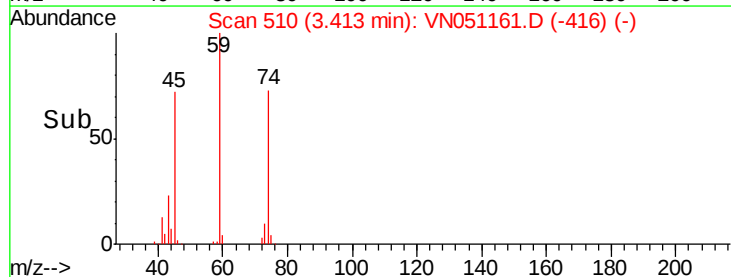
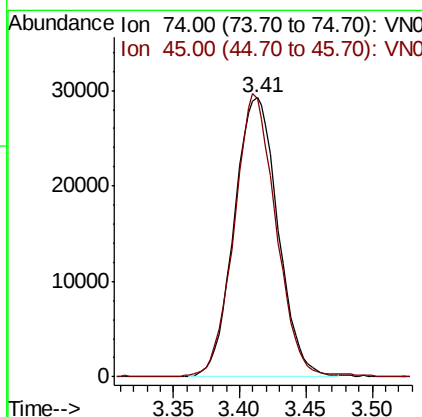
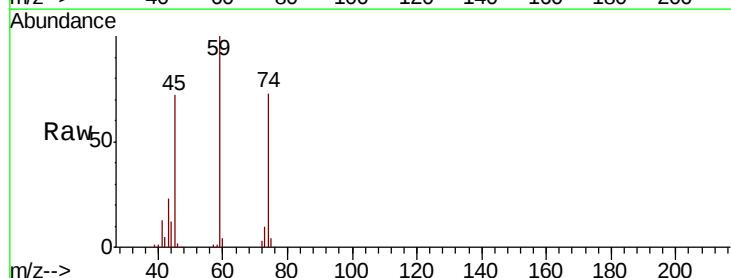
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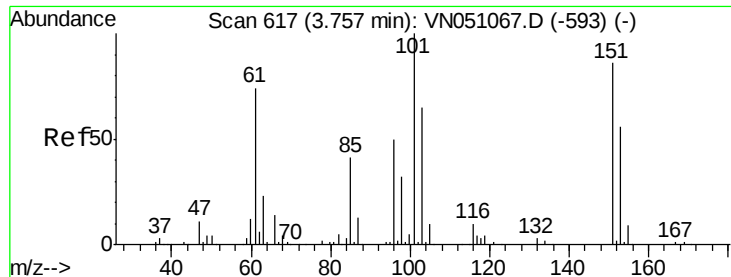


#8

Diethyl Ether
 Concen: 17.97 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	46.7	140.0





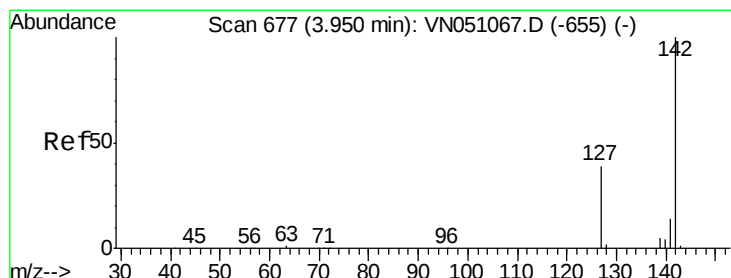
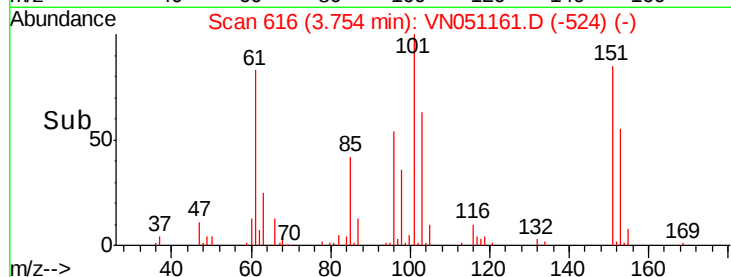
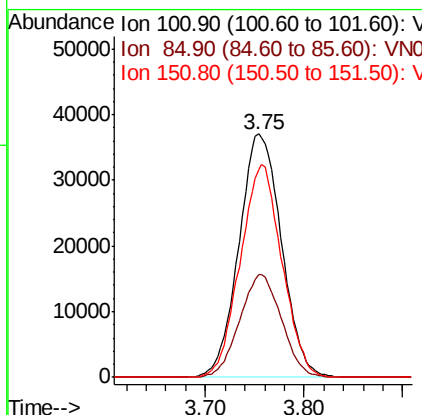
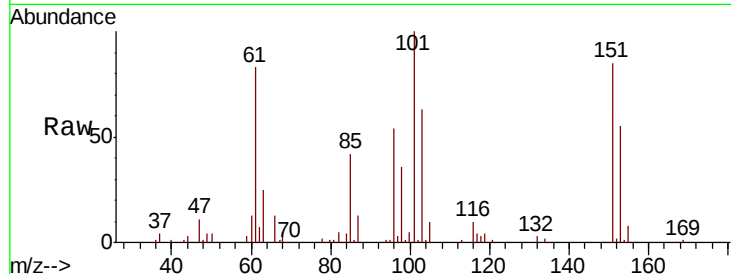
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.90 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	110440		
85	41.6	33.3	49.9	
151	85.9	68.2	102.2	

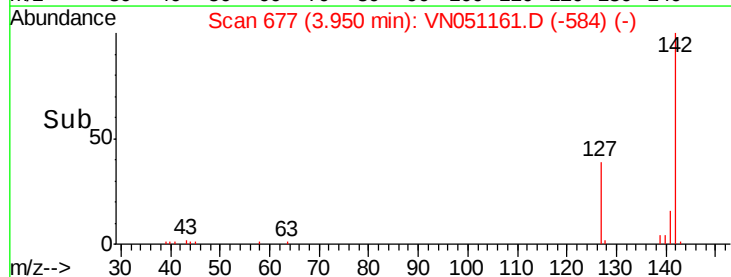
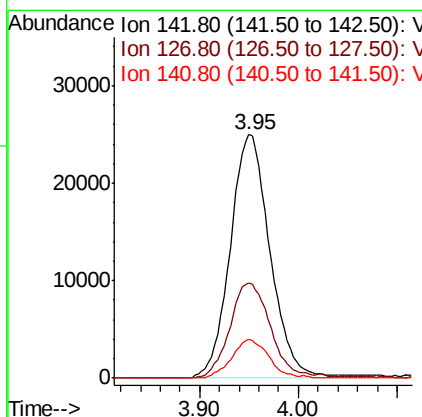
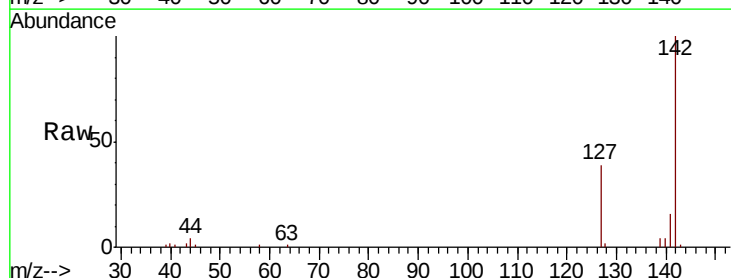
Manual Integrations
 APPROVED

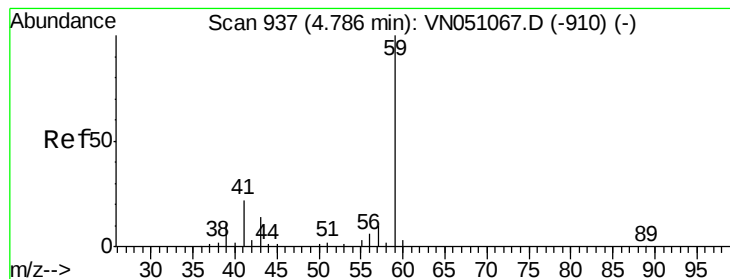
MMDadoda
 9/14/2018 11:47:00 AM



#10
 Methyl Iodide
 Concen: 15.76 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	69787		
127	39.8	31.0	46.4	
141	14.8	11.3	16.9	





#11

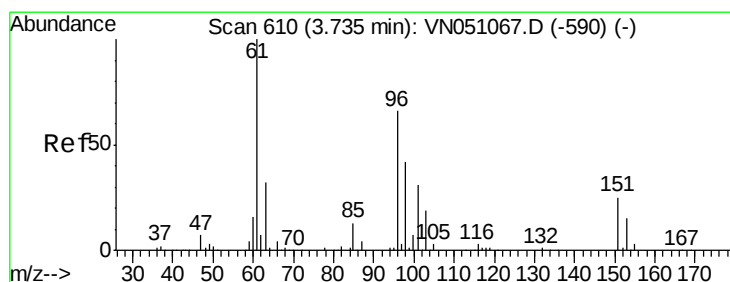
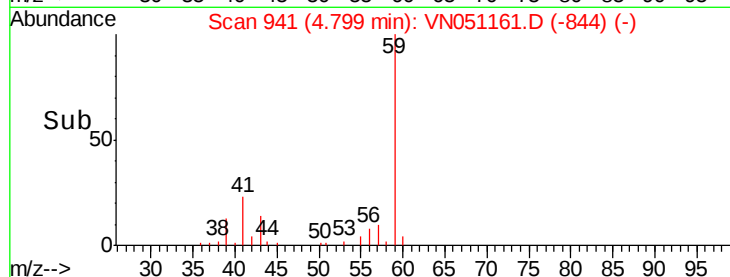
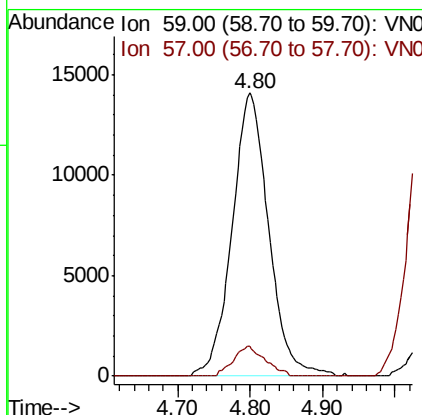
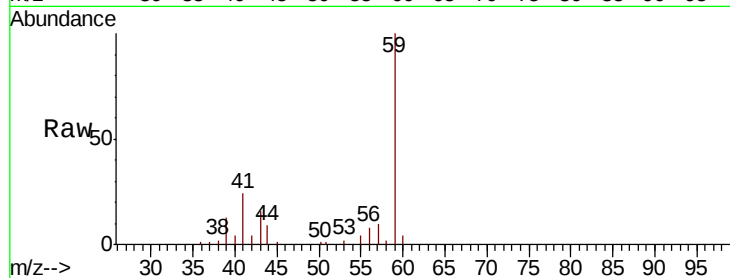
Tert butyl alcohol
 Concen: 100.57 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.1	12.1

Manual Integrations
 APPROVED

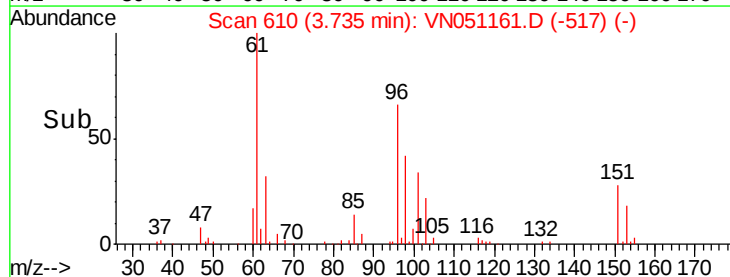
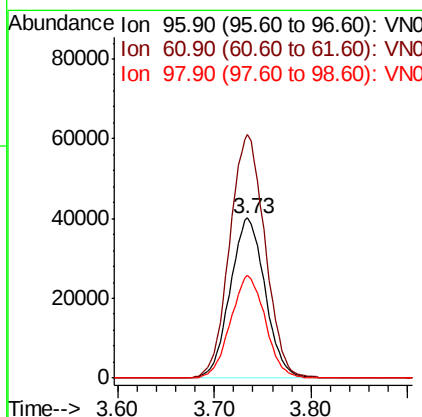
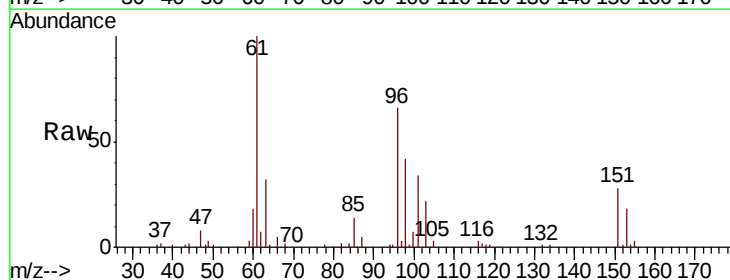
MMDadoda
 9/14/2018 11:47:00 AM

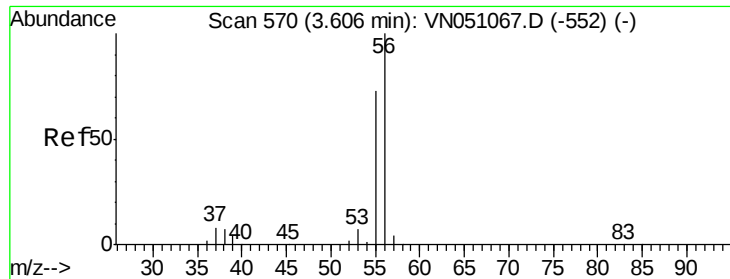


#12

1,1-Dichloroethene
 Concen: 16.36 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	120.3	180.5
98	64.1	50.8	76.2





#13

Acrolein

Concen: 91.89 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

Tot Ion: 56 Resp: 44910

Ion Ratio Lower Upper

56 100

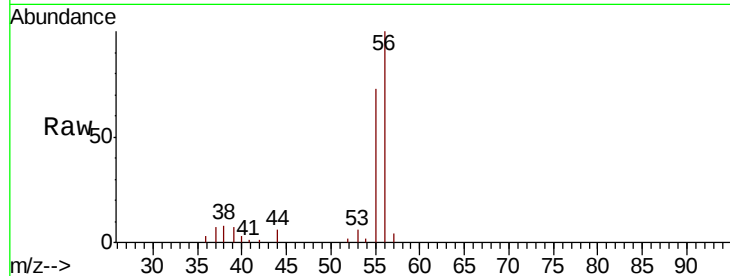
55 70.8 58.0 87.0

Manual Integrations

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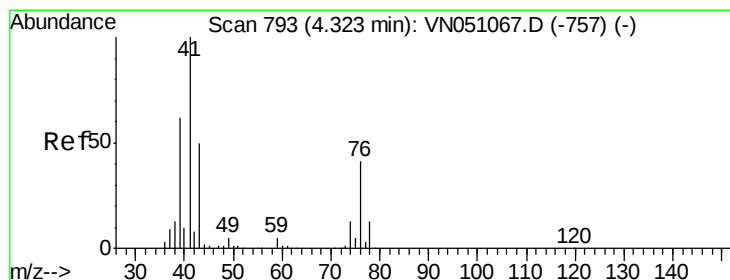
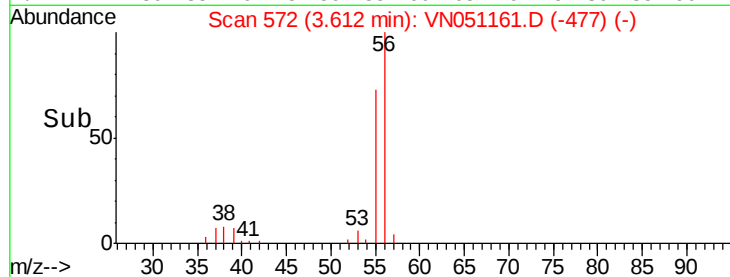
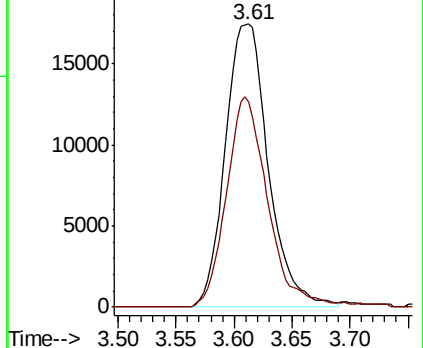
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.52 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

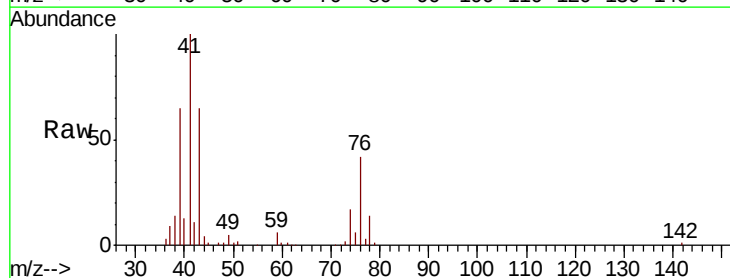
Tgt Ion: 41 Resp: 155208

Ion Ratio Lower Upper

41 100

39 61.3 48.8 73.2

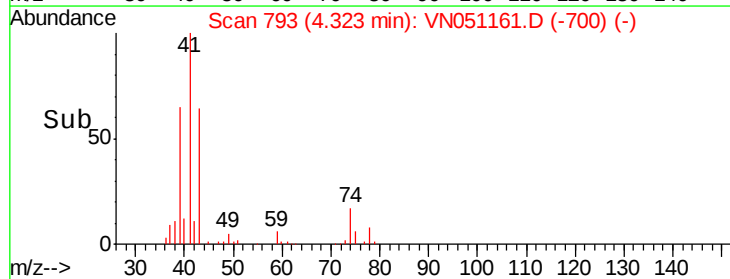
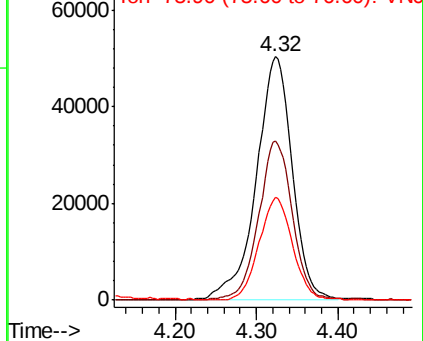
76 39.2 30.6 45.8

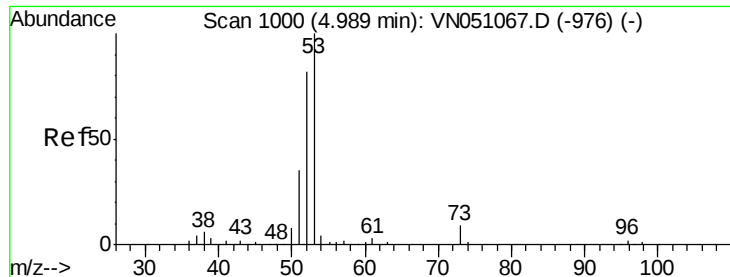


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.64 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

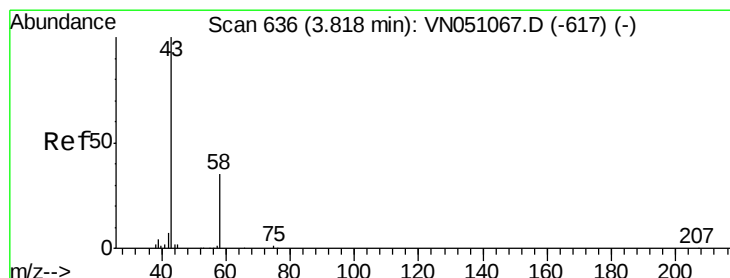
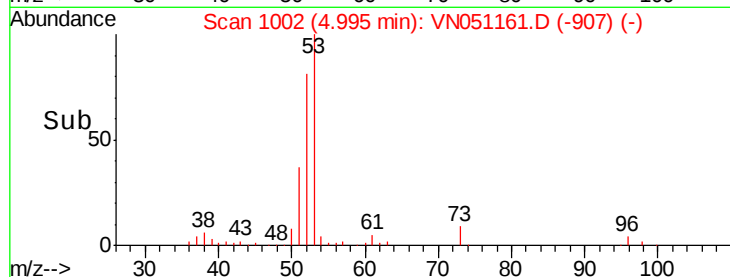
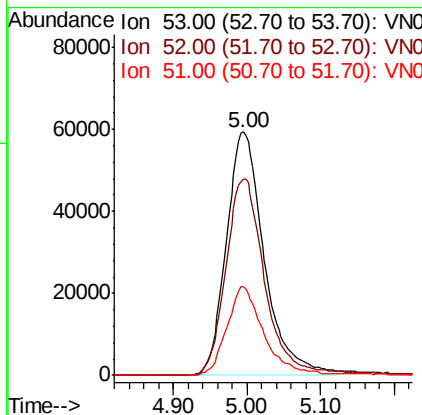
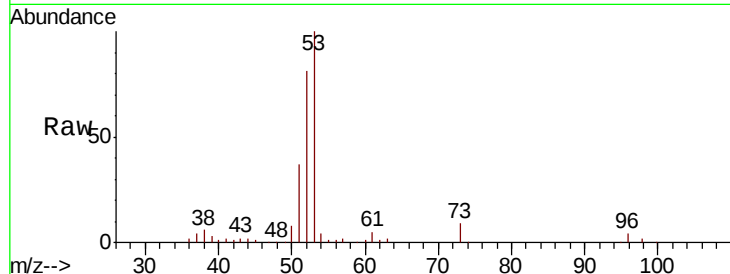
ClientSampleId :

VN0913WBS01

Tot Ion:	53	Resp:	212586
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.3	97.9
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.61 ug/l

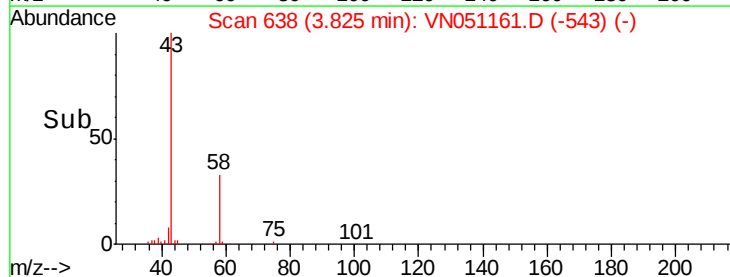
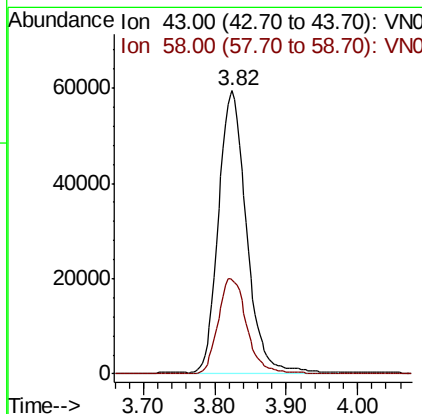
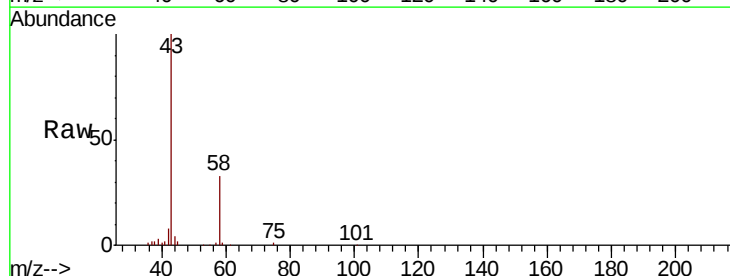
RT: 3.82 min Scan# 638

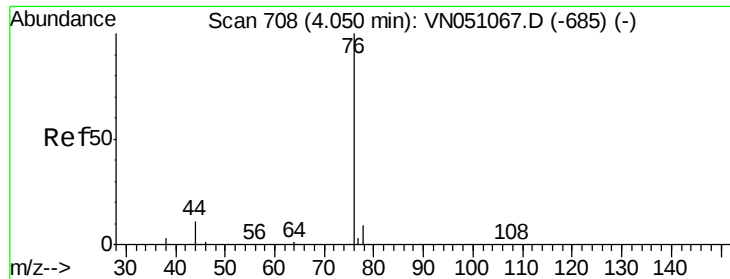
Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	43	Resp:	160923
Ion Ratio		Lower	Upper
43	100		
58	33.1	27.8	41.6





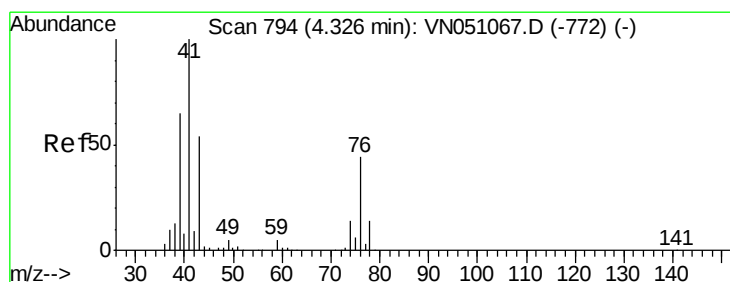
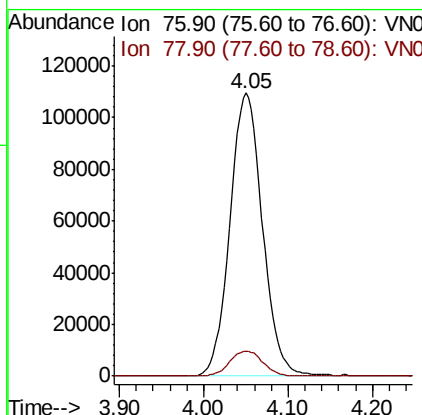
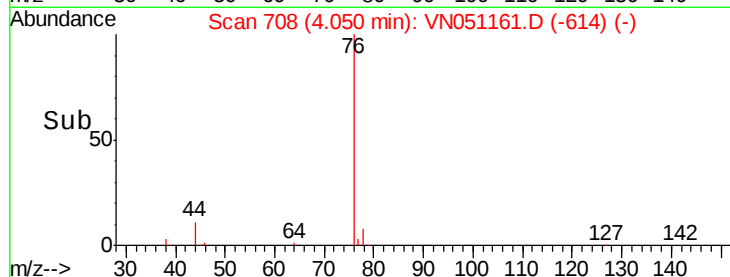
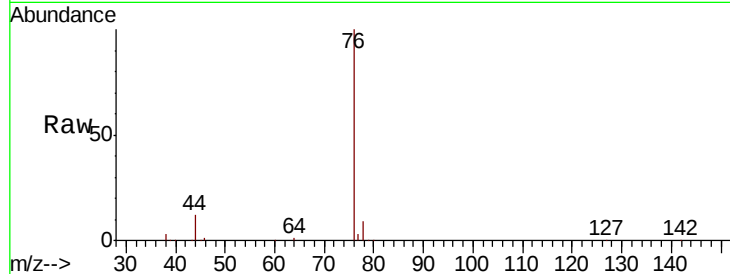
#17
Carbon Disulfide
Concen: 16.23 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

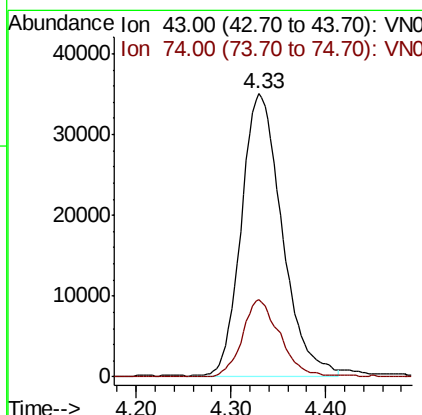
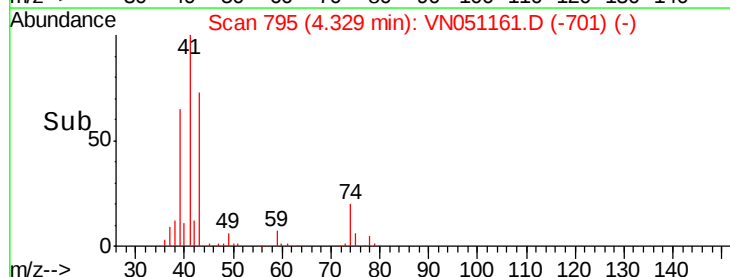
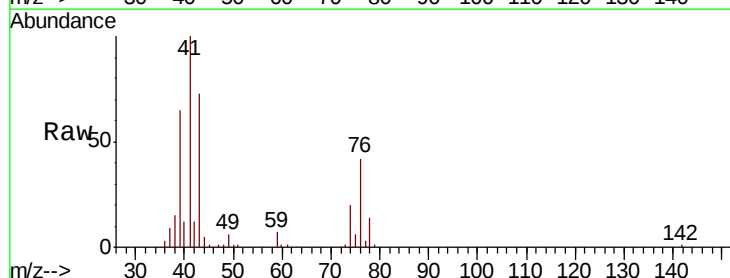
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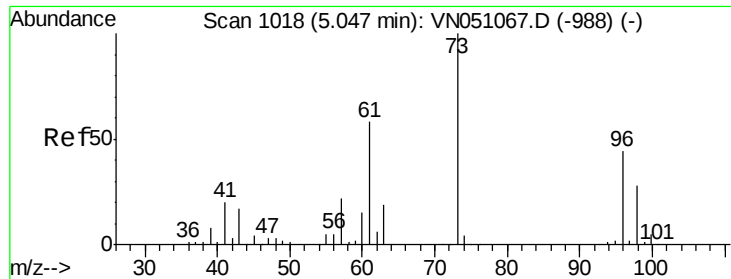
MMDadoda
9/14/2018 11:47:00 AM



#18
Methyl Acetate
Concen: 20.45 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.7	31.1





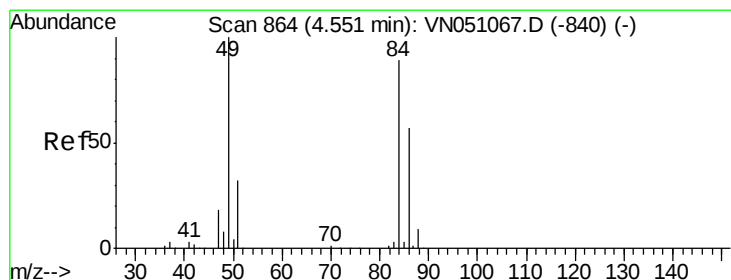
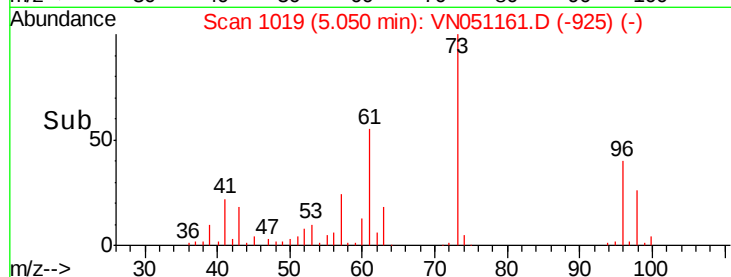
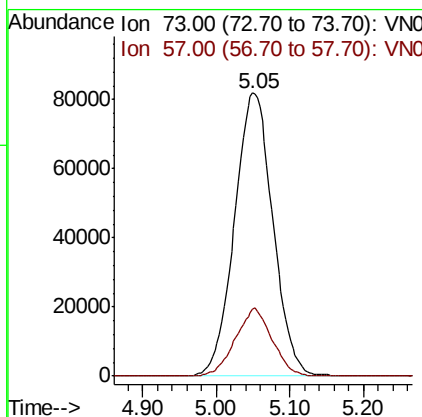
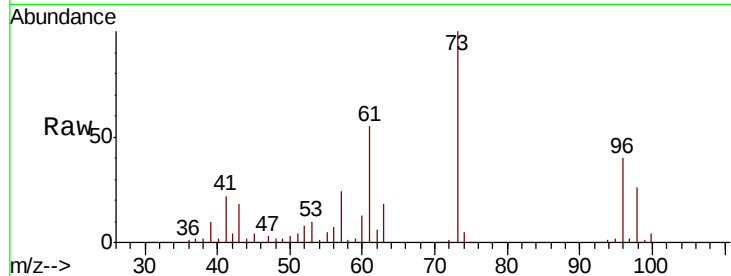
#19
Methvl tert-butvl Ether
Concen: 18.22 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 73 Resp: 296974
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

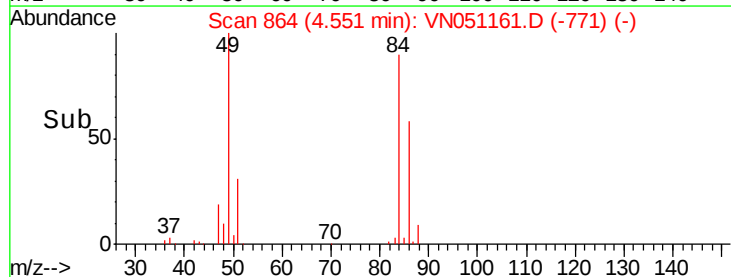
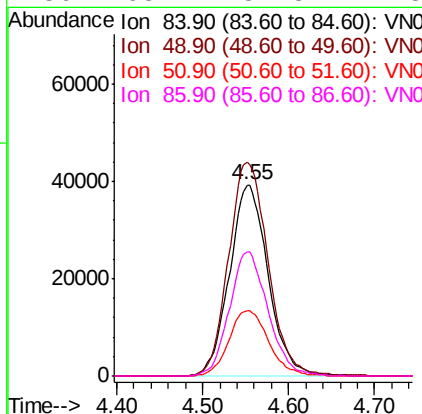
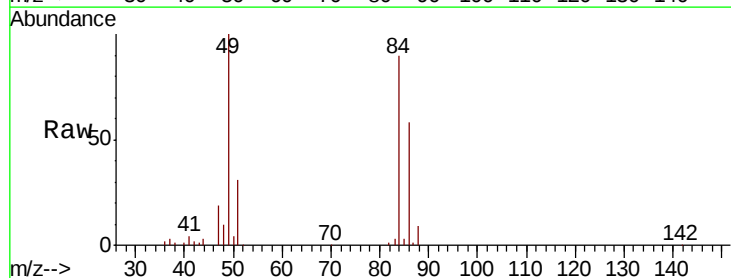
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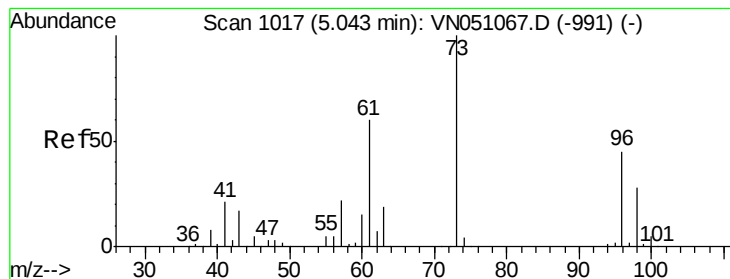
MMDadoda
9/14/2018 11:47:00 AM



#20
Methylene Chloride
Concen: 17.25 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 84 Resp: 122552
Ion Ratio Lower Upper
84 100
49 111.6 90.2 135.2
51 34.2 28.4 42.6
86 65.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 16.42 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 96 Resp: 109816

Ion Ratio Lower Upper

96 100

61 129.8 106.5 159.7

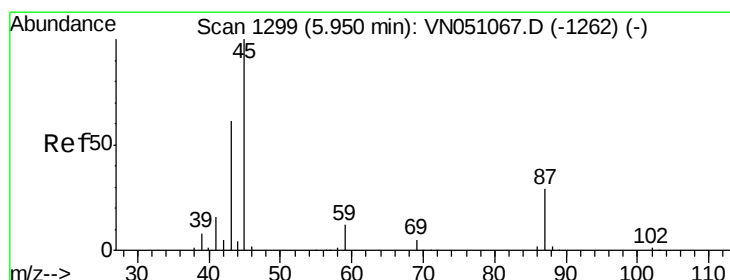
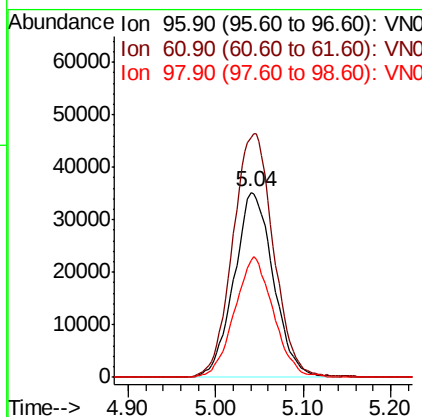
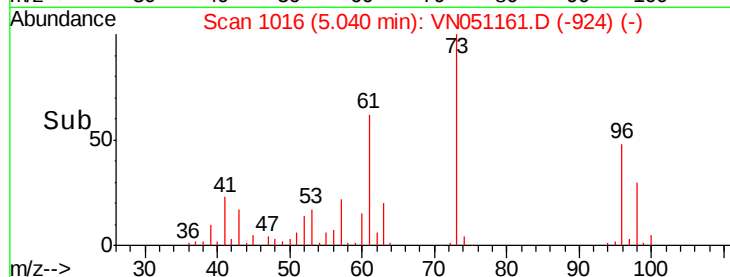
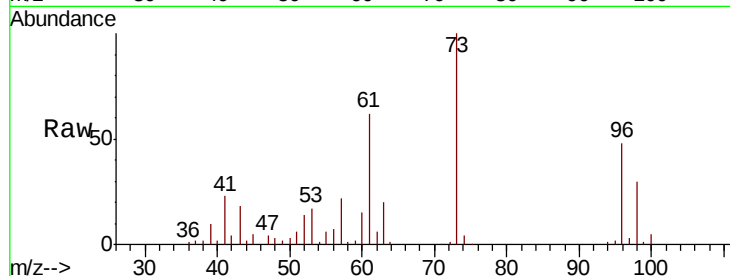
98 63.6 50.4 75.6

Manual Integrations

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9/14/2018 11:47:00 AM



#22

Diisopropyl ether

Concen: 18.76 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion: 45 Resp: 349808

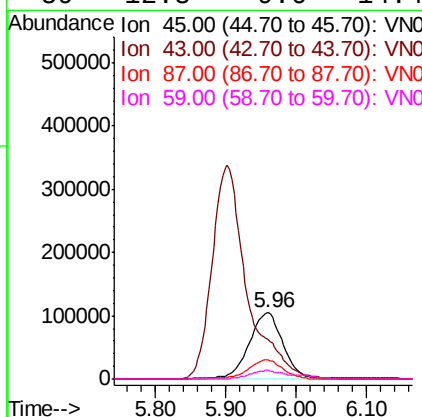
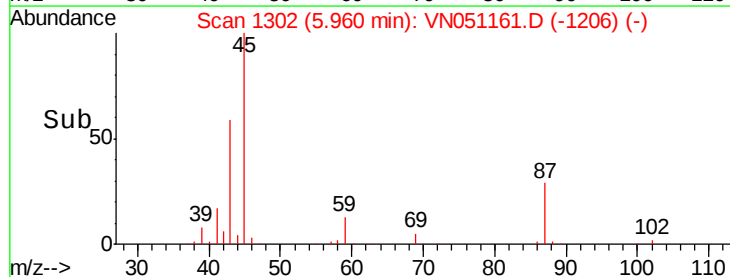
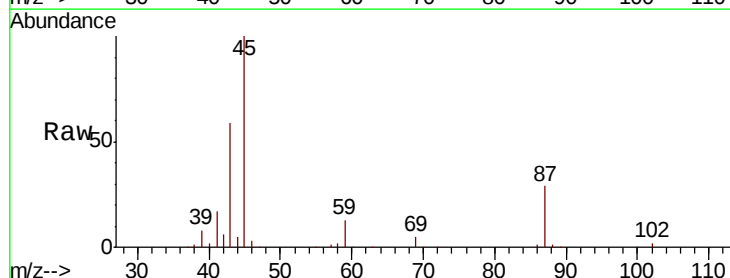
Ion Ratio Lower Upper

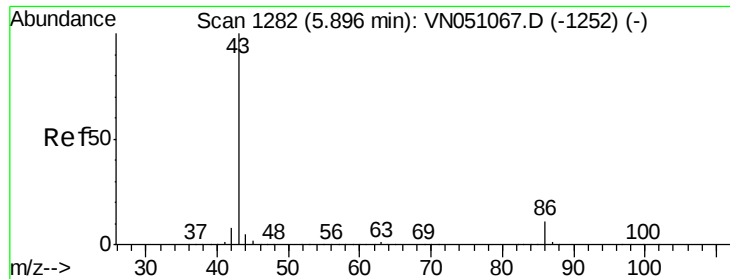
45 100

43 57.5 48.8 73.2

87 29.1 23.8 35.8

59 12.8 9.6 14.4





#23

Vinyl Acetate

Concen: 92.31 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 43 Resp: 1164904

Ion Ratio Lower Upper

43 100

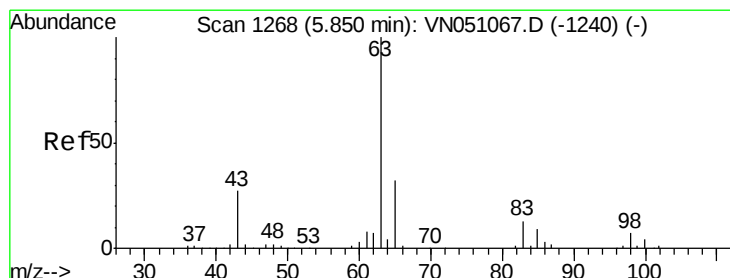
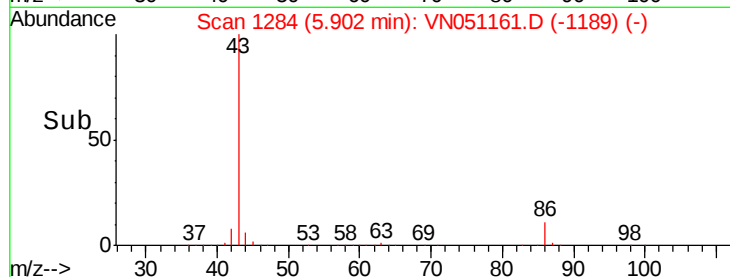
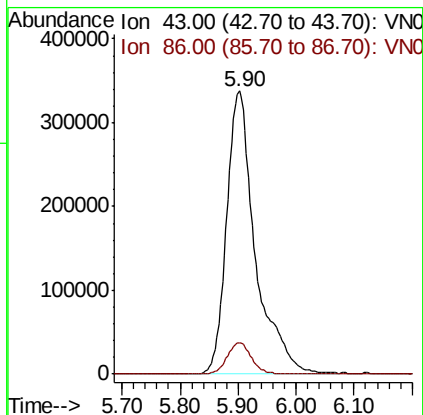
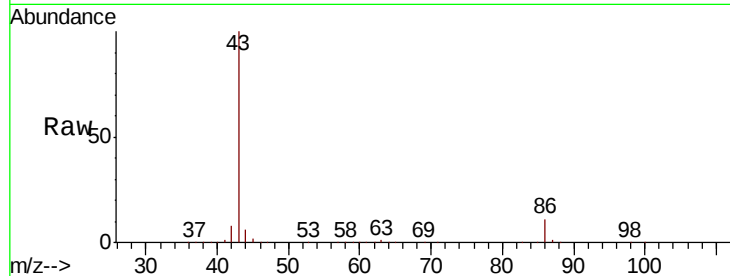
86 11.1 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.68 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

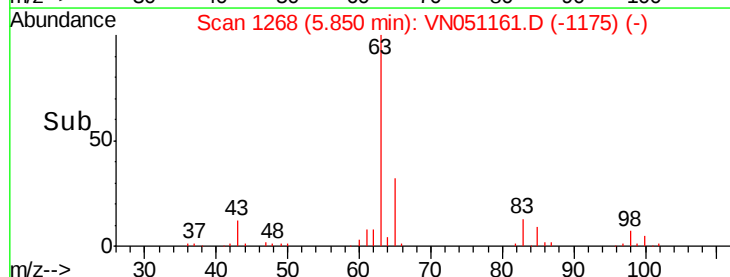
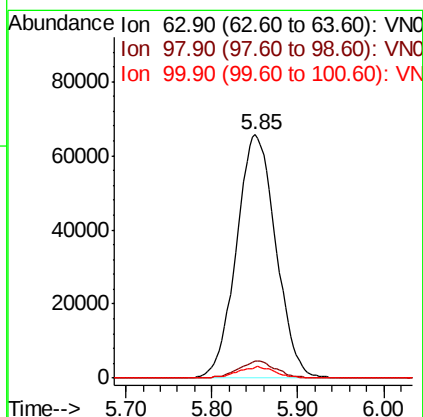
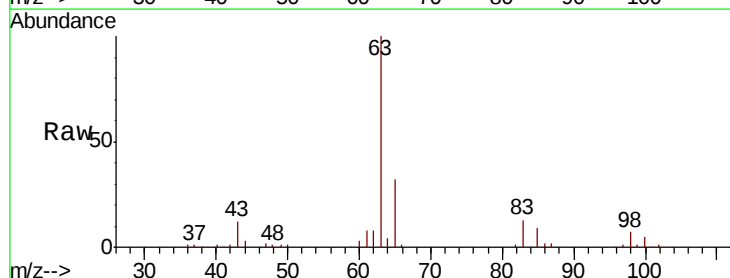
Tgt Ion: 63 Resp: 209234

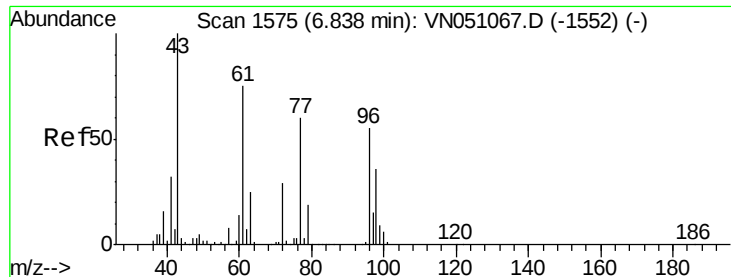
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.5 2.1 6.3





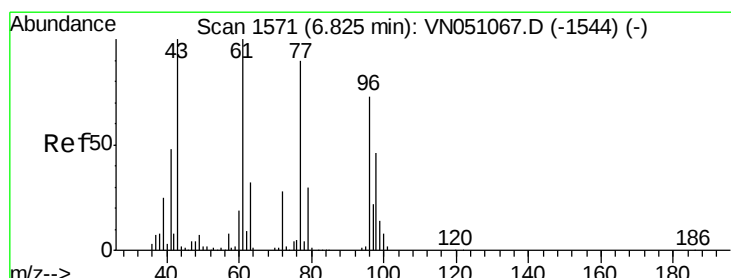
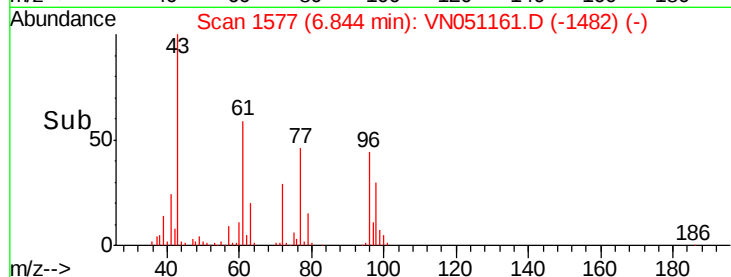
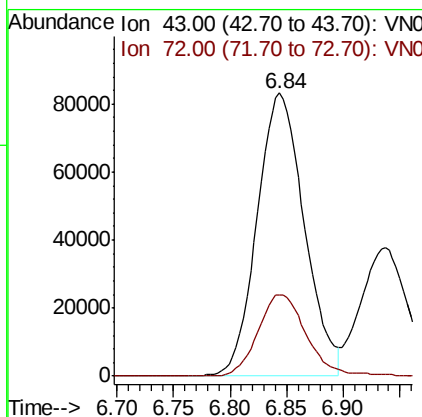
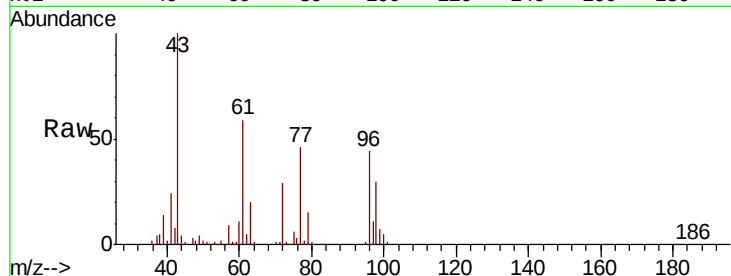
#25
2-Butanone
Concen: 94.81 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 43 Resp: 239799
Ion Ratio Lower Upper
43 100
72 28.9 23.0 34.6

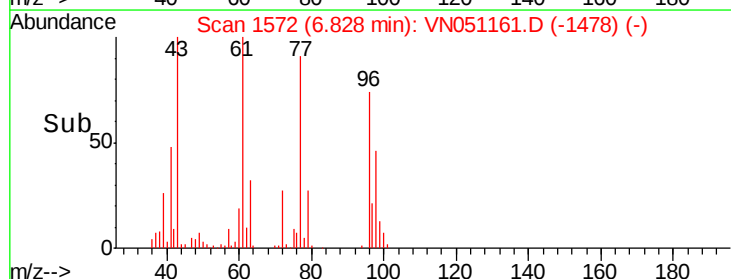
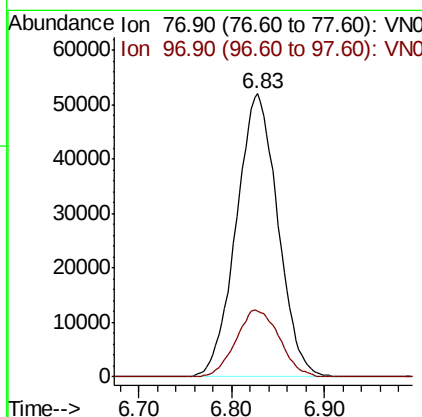
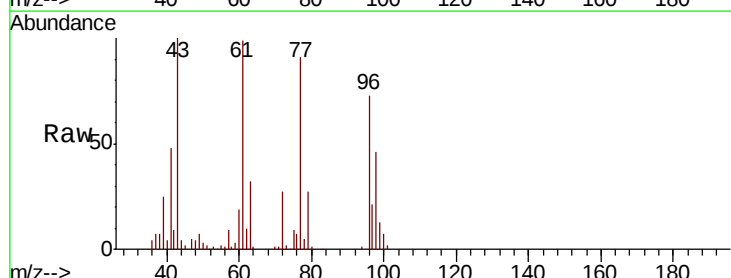
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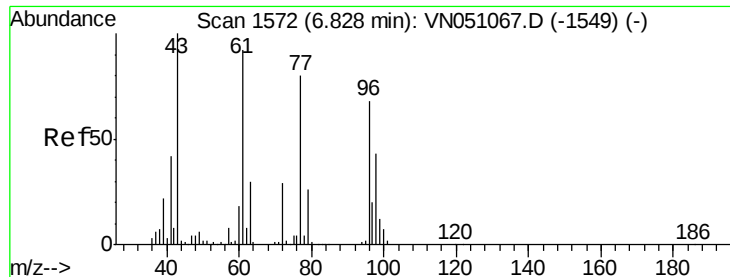
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#26
2,2-Dichloropropane
Concen: 16.72 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 77 Resp: 161935
Ion Ratio Lower Upper
77 100
97 24.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 17.07 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

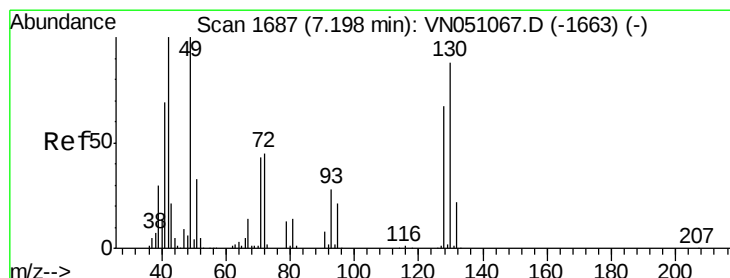
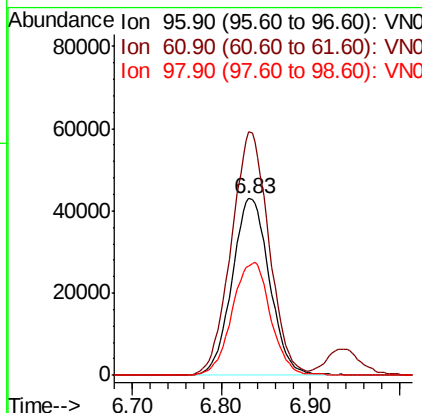
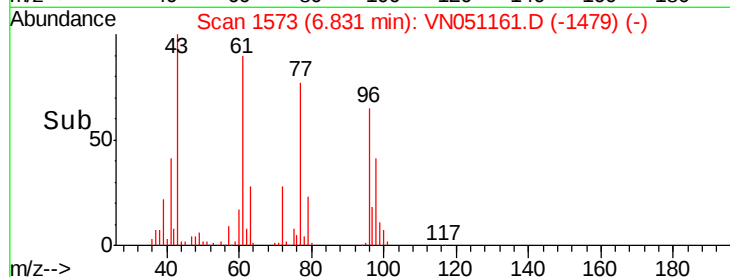
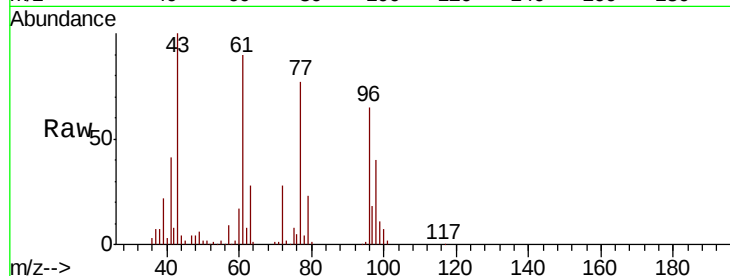
ClientSampleId :

VN0913WBS01

Tot Ion:	96	Resp:	125228
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	278.2
98	65.5	0.0	129.4

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#28

Bromochloromethane

Concen: 19.65 ug/l

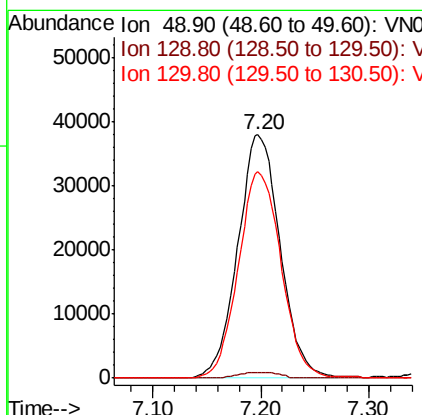
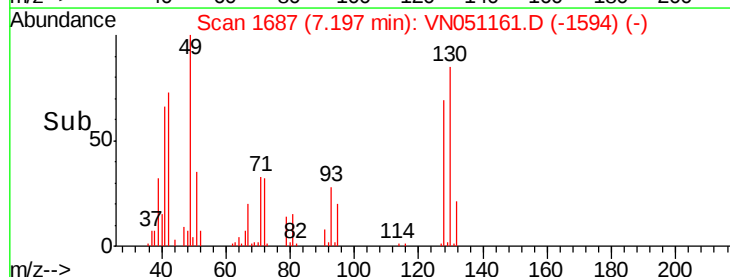
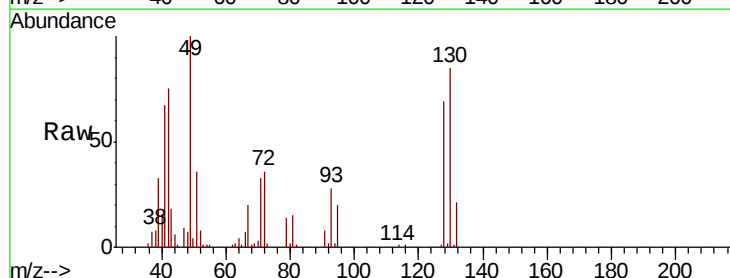
RT: 7.20 min Scan# 1687

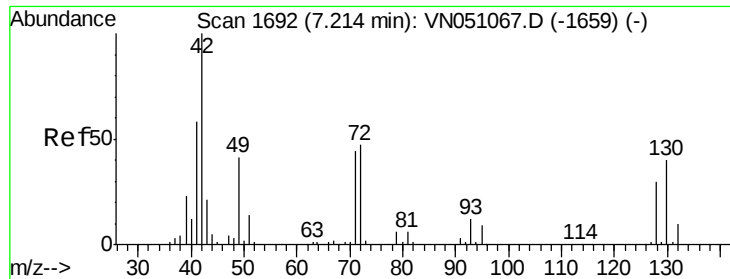
Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	49	Resp:	103495
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	85.6	70.7	106.1





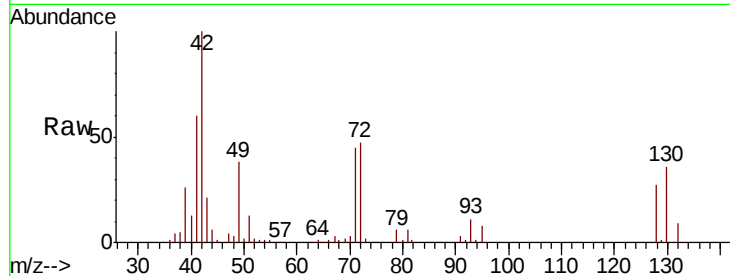
#29
Tetrahydrofuran
Concen: 101.30 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

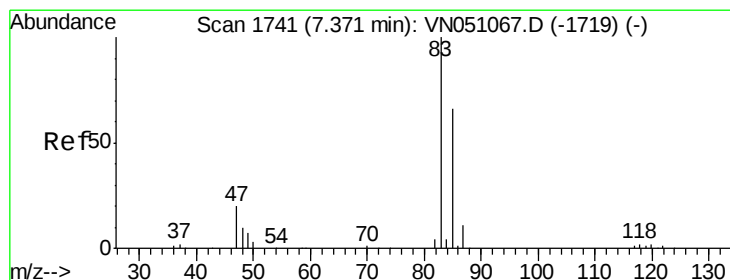
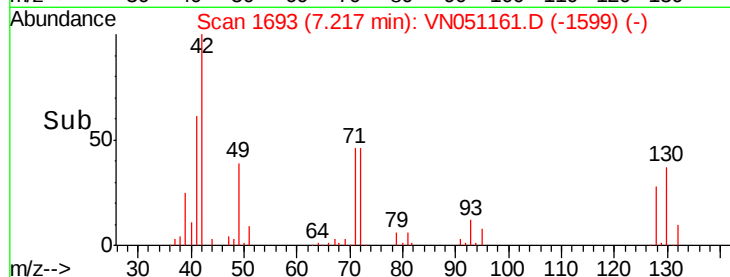
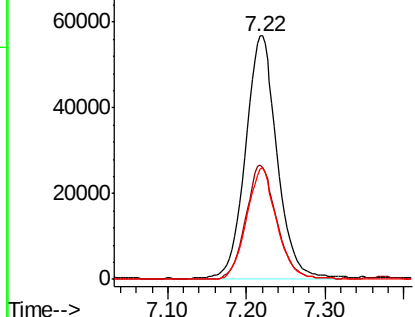
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.4	56.0
71	43.9	34.7	52.1

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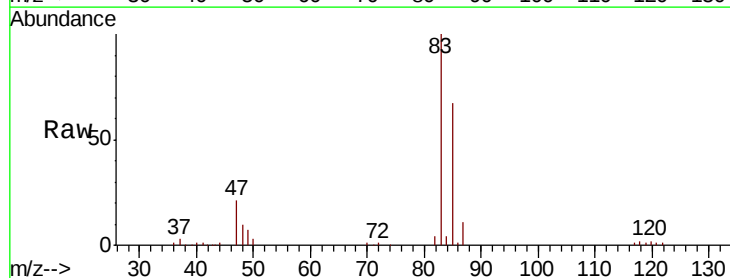


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

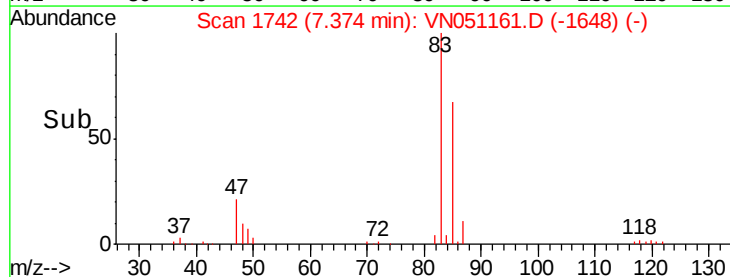
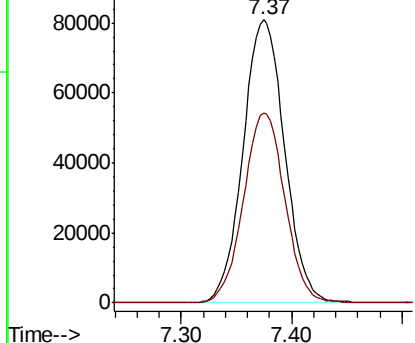


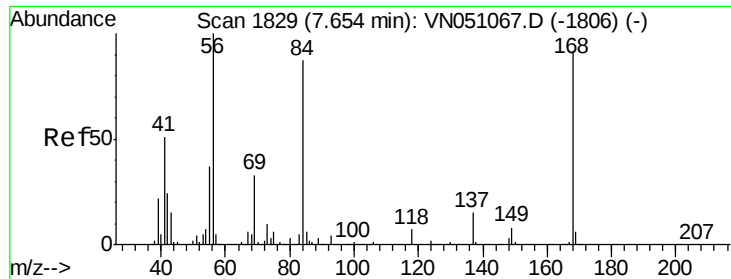
#30
Chloroform
Concen: 17.95 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.6	79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 16.44 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

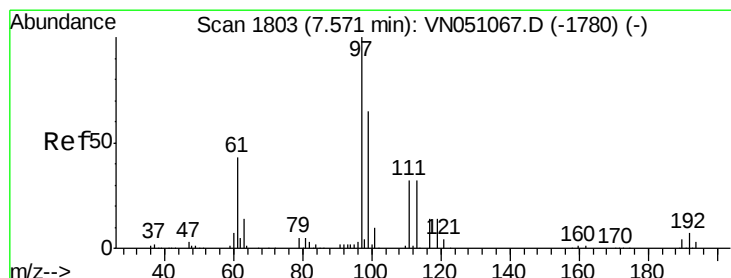
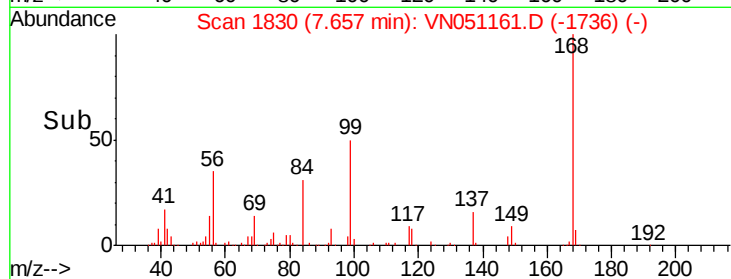
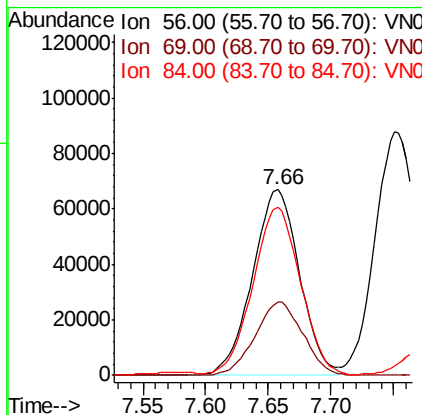
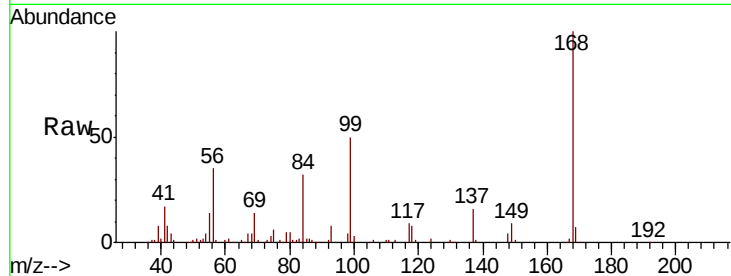
ClientSampleId :

VN0913WBS01

Tot Ion:	56	Resp:	175104
Ion	Ratio	Lower	Upper
56	100		
69	39.5	26.3	39.5
84	89.4	69.4	104.0

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#32

1,1,1-Trichloroethane

Concen: 17.86 ug/l

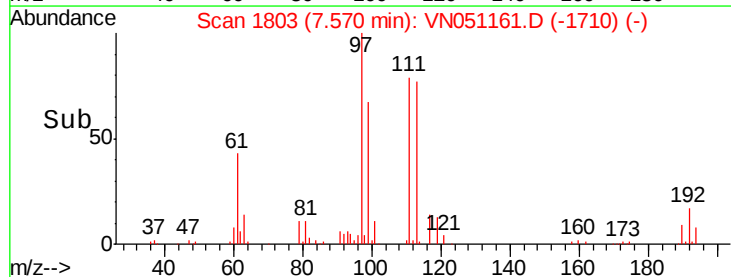
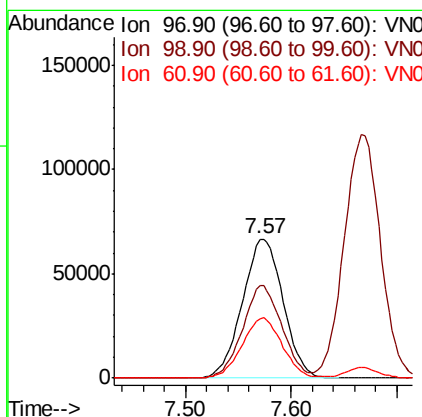
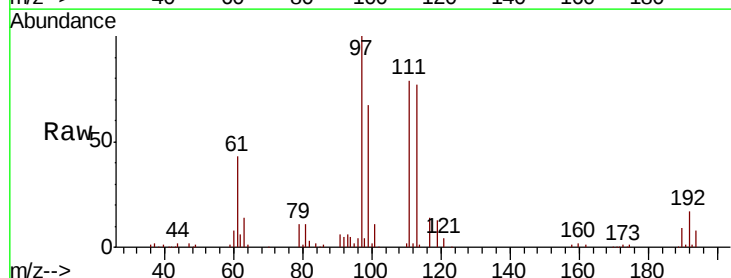
RT: 7.57 min Scan# 1803

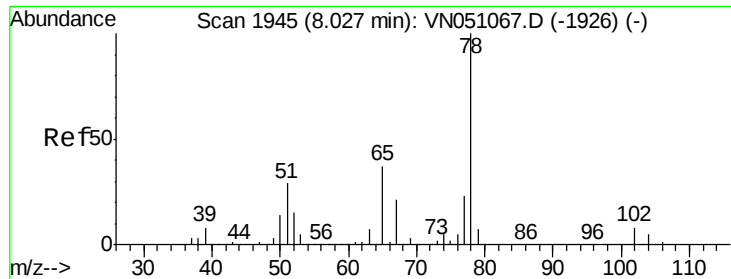
Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	97	Resp:	179093
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	42.7	33.8	50.6





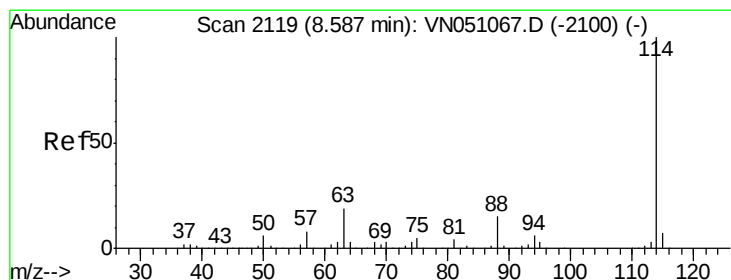
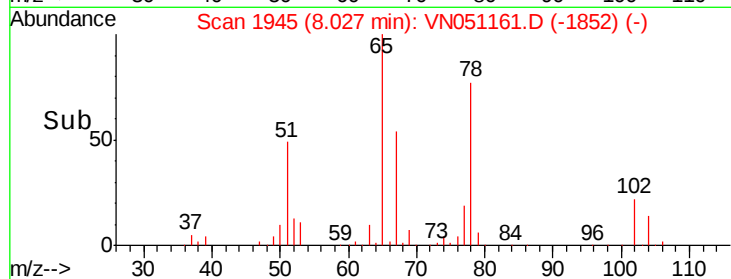
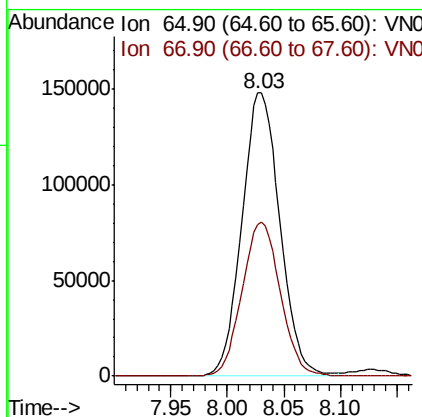
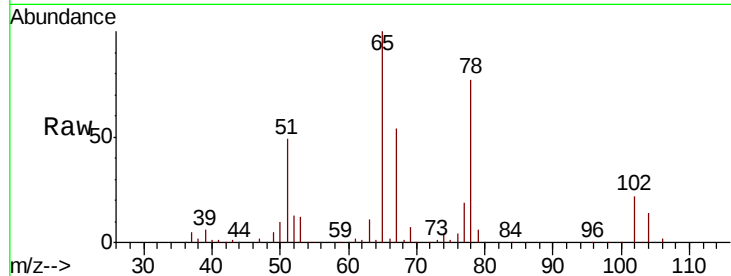
#33
 1,2-Dichloroethane-d4
 Concen: 53.68 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	345332		
67	54.8	0.0	112.0	

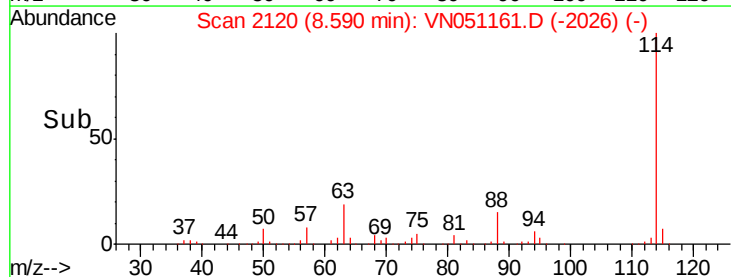
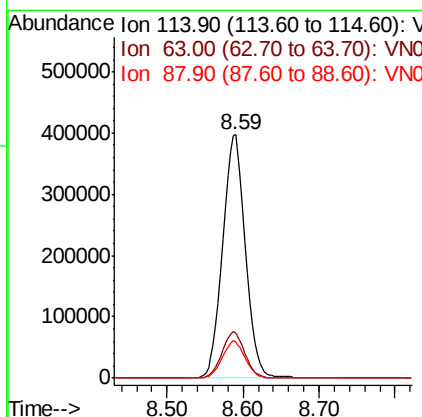
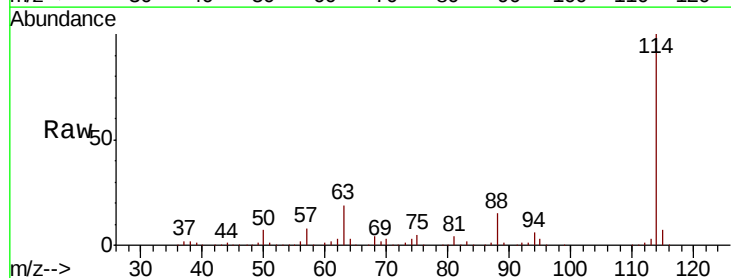
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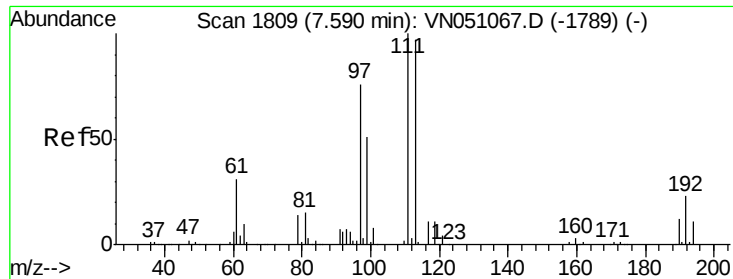
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	829794		
63	18.8	0.0	37.8	
88	15.0	0.0	30.8	





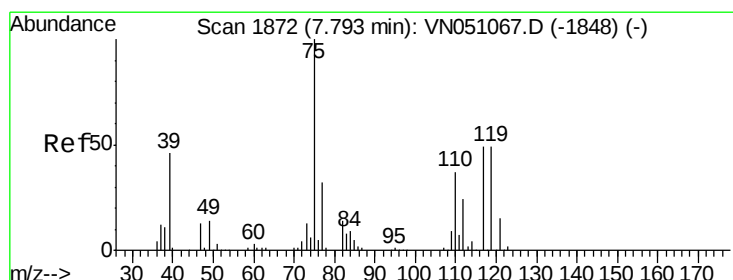
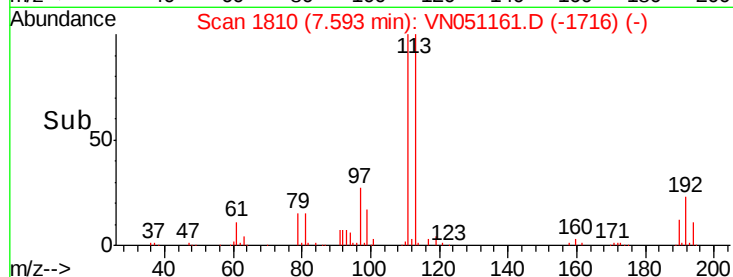
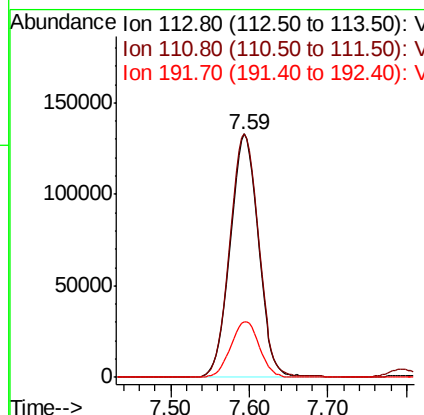
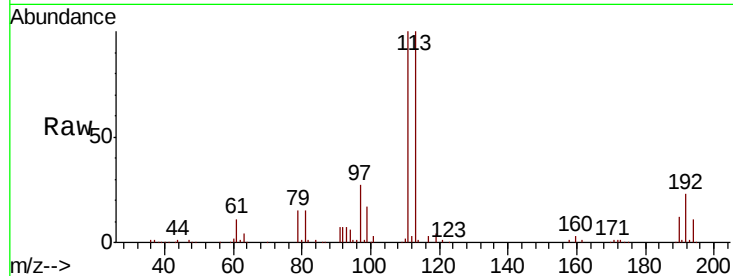
#35
 Dibromofluoromethane
 Concen: 53.21 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	331793		
111	102.1	83.0	124.6	
192	23.2	18.7	28.1	

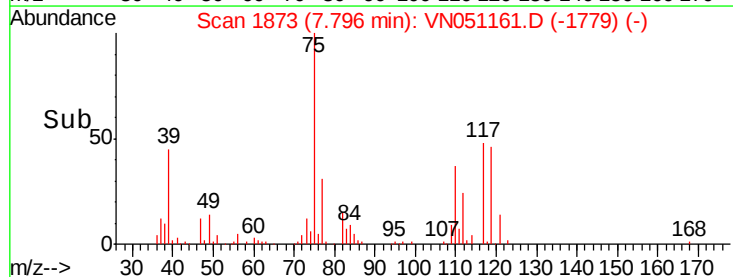
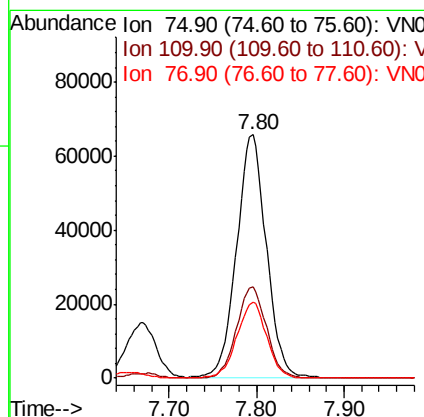
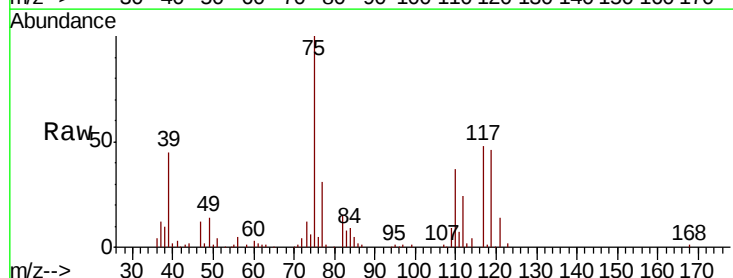
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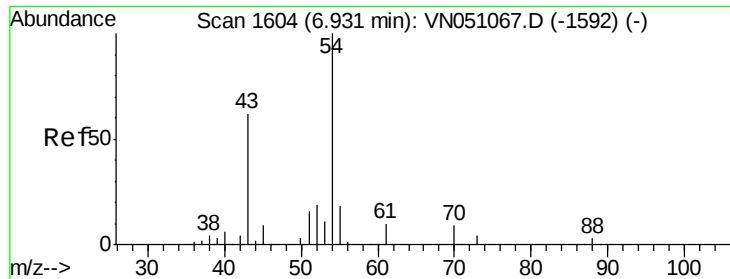
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#36
 1,1-Dichloropropene
 Concen: 17.02 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	155028		
110	37.7	18.6	55.8	
77	31.4	25.2	37.8	





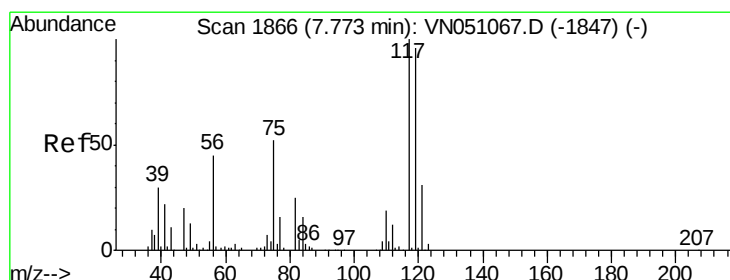
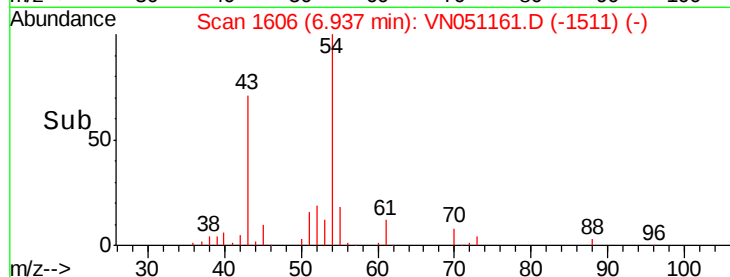
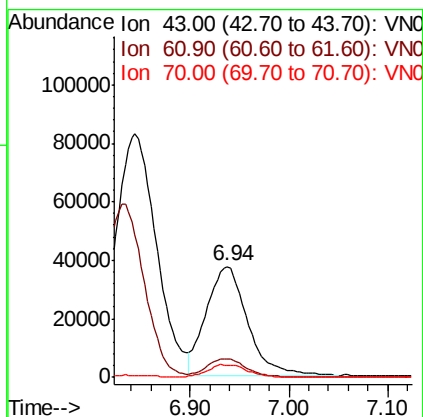
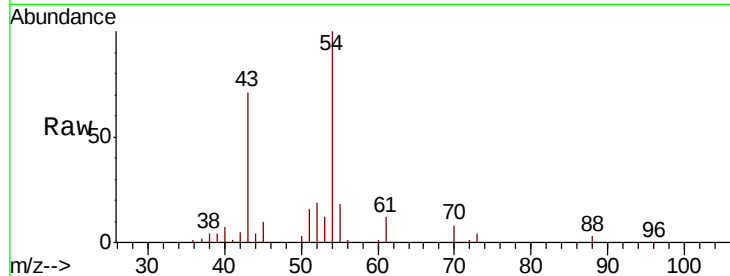
#37
Ethyl Acetate
Concen: 20.66 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleID :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.4	18.6
70	11.3	9.3	13.9

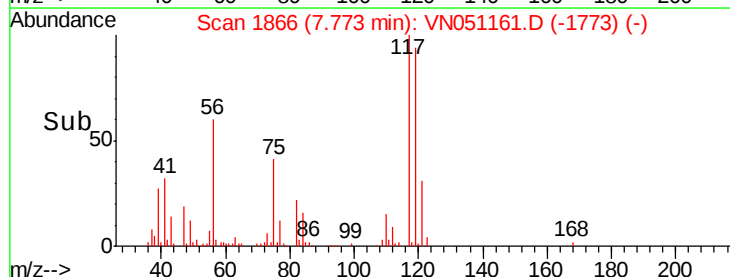
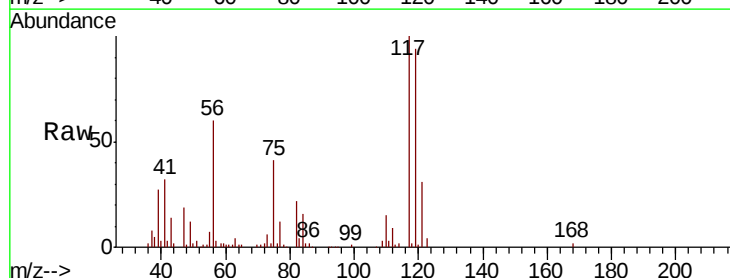
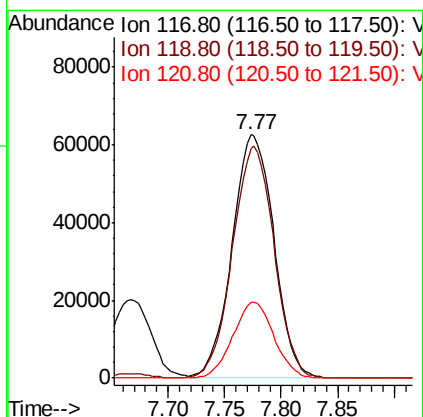
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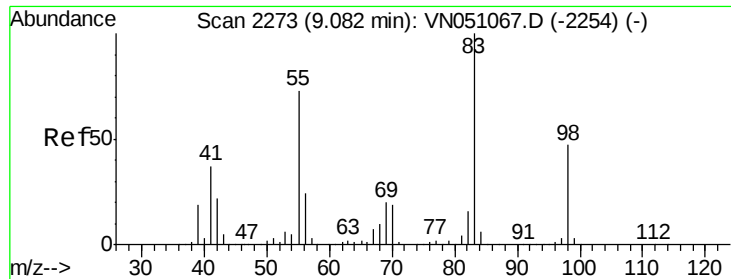
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#38
Carbon Tetrachloride
Concen: 17.97 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.8	115.2
121	31.1	24.6	36.8





#39

Methvlcvclohexane

Concen: 15.58 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

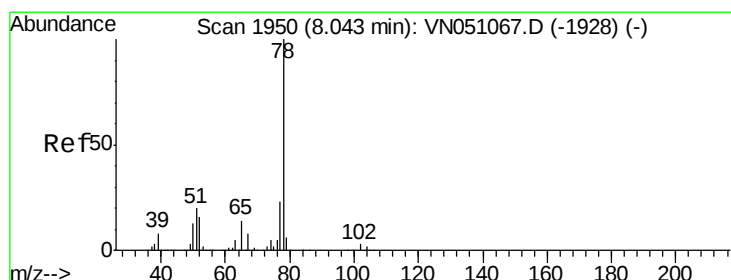
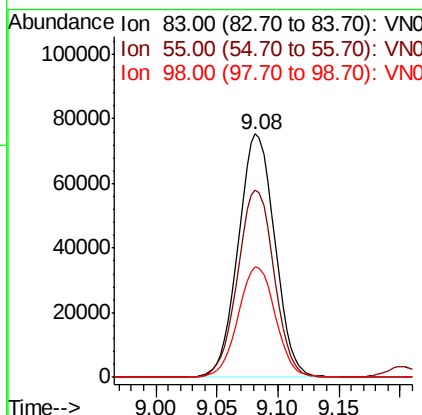
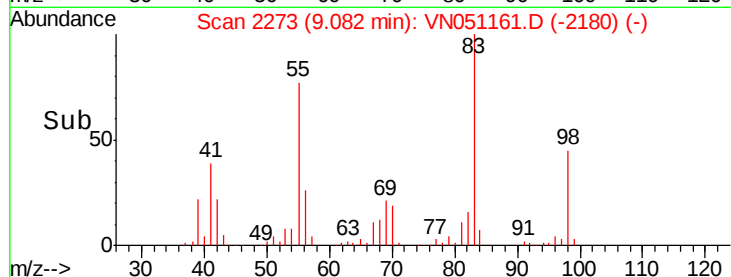
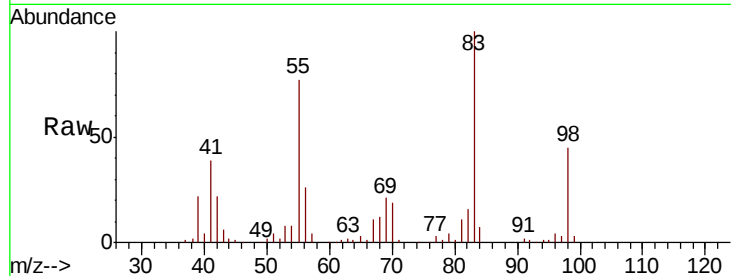
ClientSampleId :

VN0913WBS01

Tot Ion:	83	Resp:	156622
Ion Ratio	Lower	Upper	
83	100		
55	77.1	58.4	87.6
98	45.4	37.3	55.9

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#40

Benzene

Concen: 17.77 ug/l

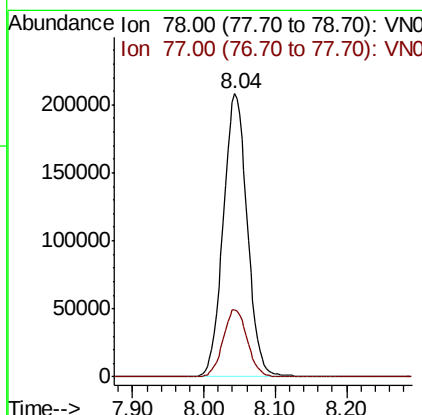
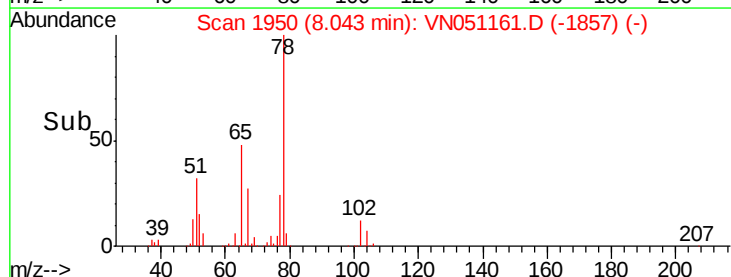
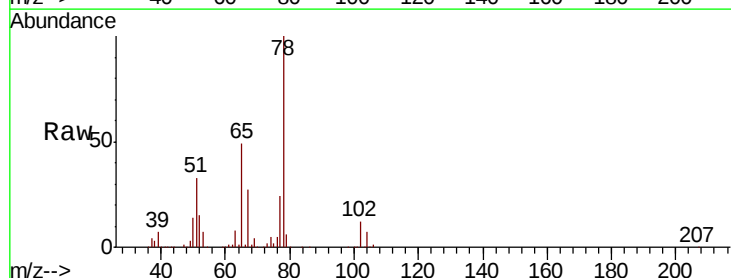
RT: 8.04 min Scan# 1950

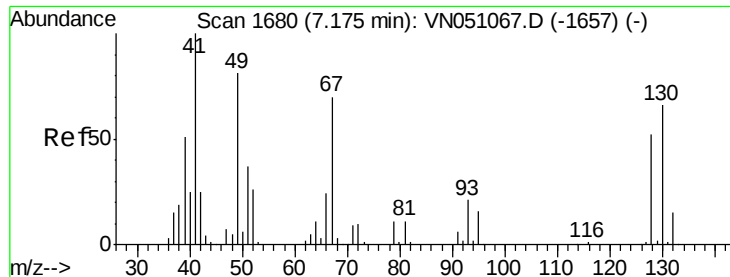
Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	78	Resp:	487762
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.6	27.8





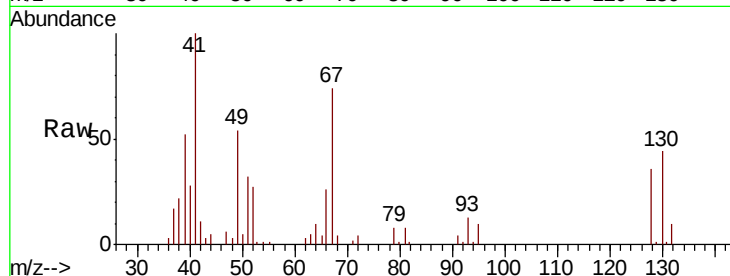
#41
Methacrylonitrile
Concen: 17.50 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion:	41	Resp:	47635
Ion	Ratio	Lower	Upper
41	100		
39	61.9	51.3	76.9
67	103.3	78.5	117.7
52	41.0	29.0	43.6

Manual Integrations
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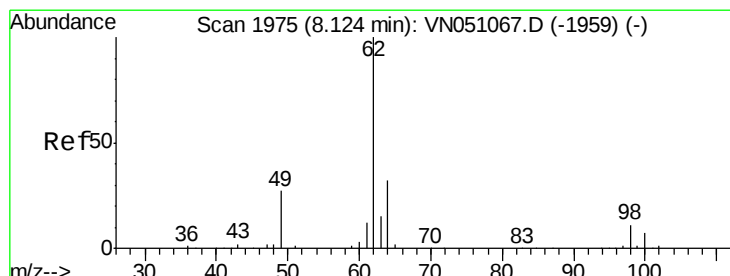
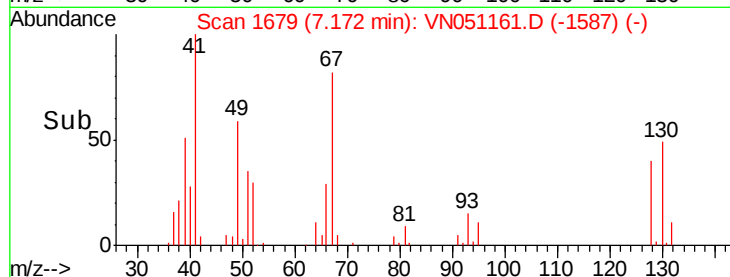
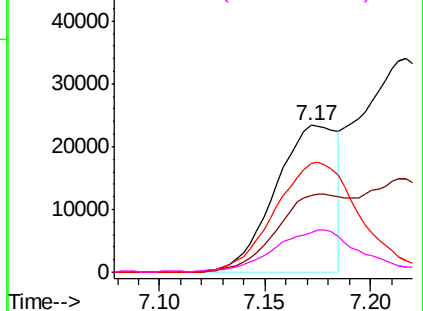
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

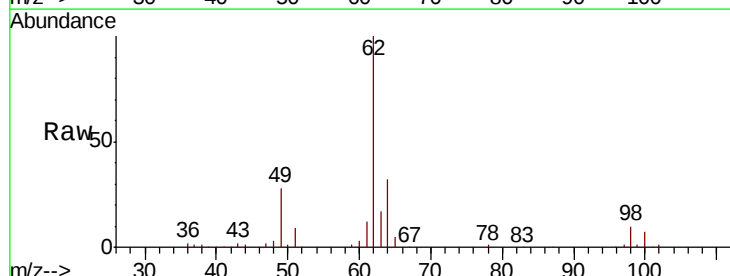
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 18.34 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

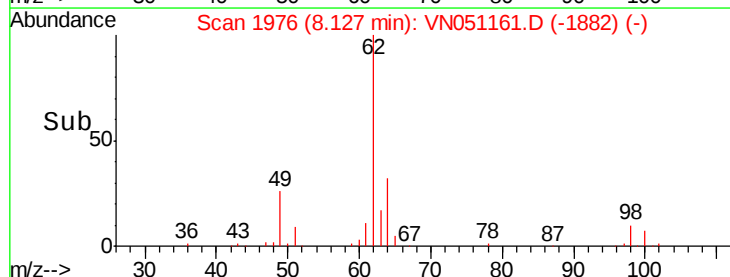
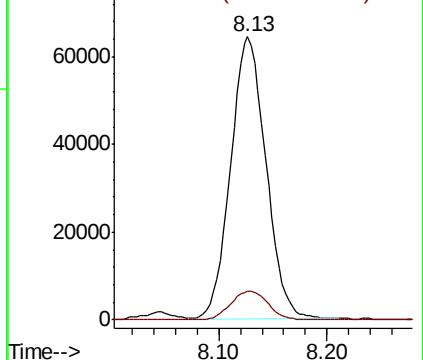
Tgt Ion:	62	Resp:	146745
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0

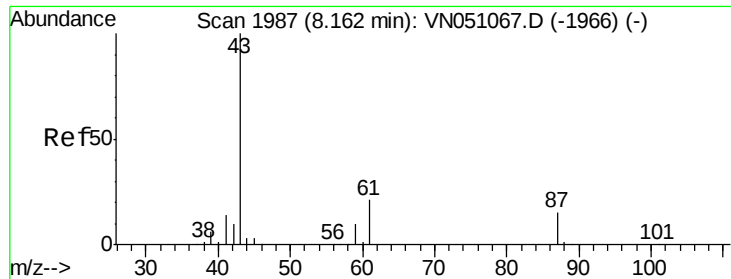


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.77 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

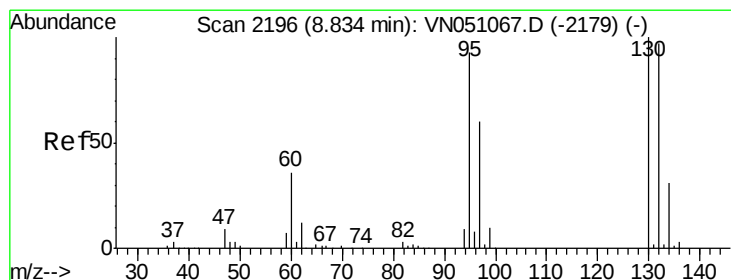
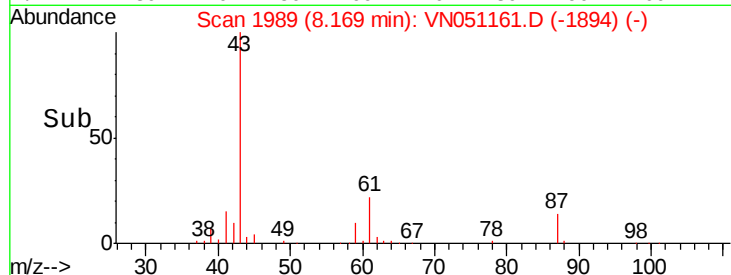
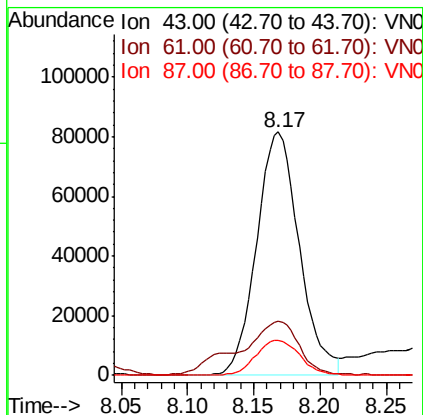
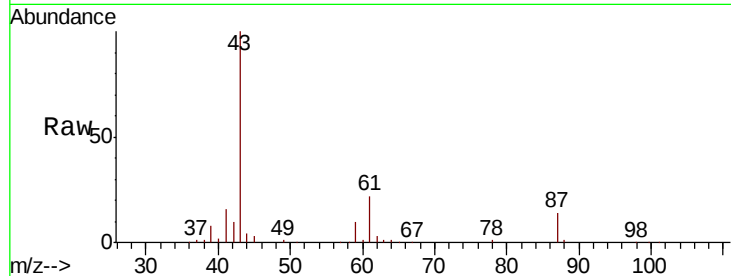
ClientSampleId :

VN0913WBS01

Tot Ion:	43	Resp:	184058
Ion	Ratio	Lower	Upper
43	100		
61	22.5	25.0	37.6#
87	14.9	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 17.18 ug/l

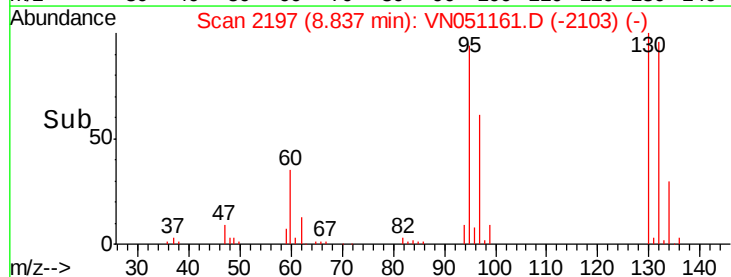
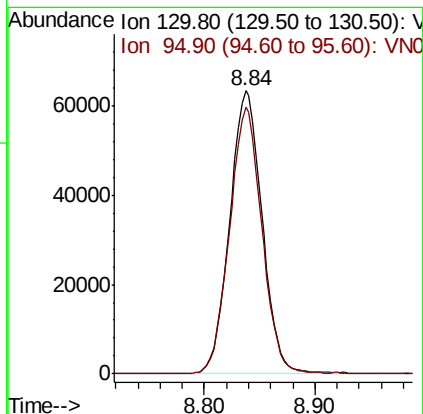
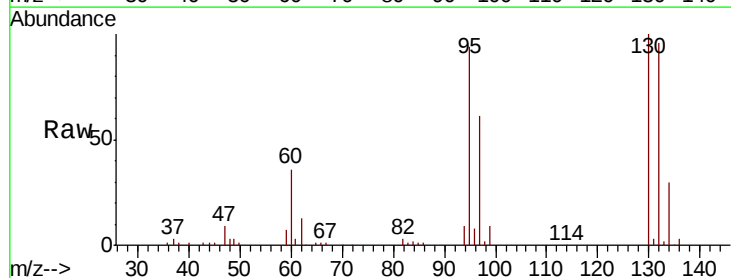
RT: 8.84 min Scan# 2197

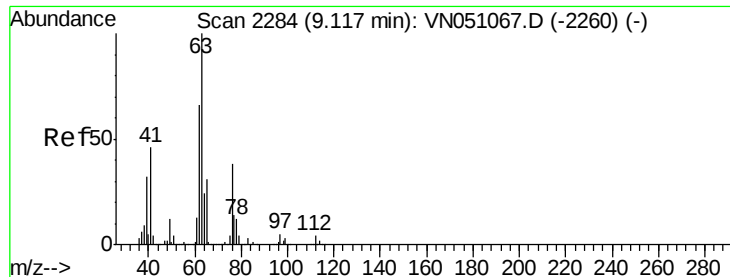
Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	130	Resp:	129024
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	186.2





#45

1,2-Dichloropropane

Concen: 18.20 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

Tot Ion: 63 Resp: 129111

Ion Ratio Lower Upper

63 100

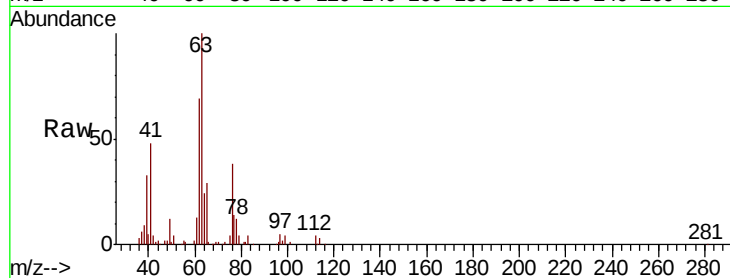
65 29.1 24.7 37.1

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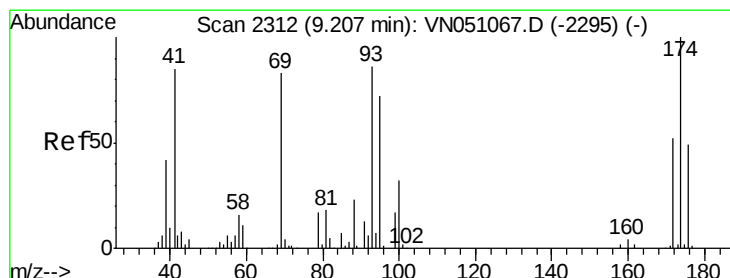
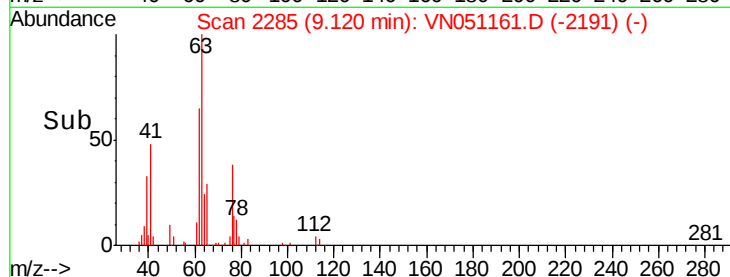
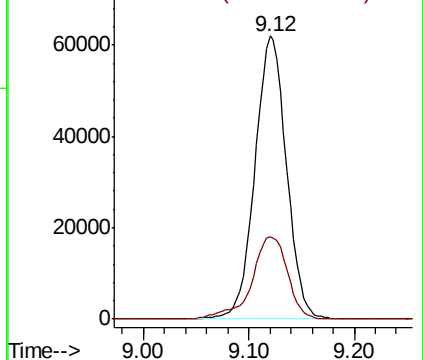
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.03 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

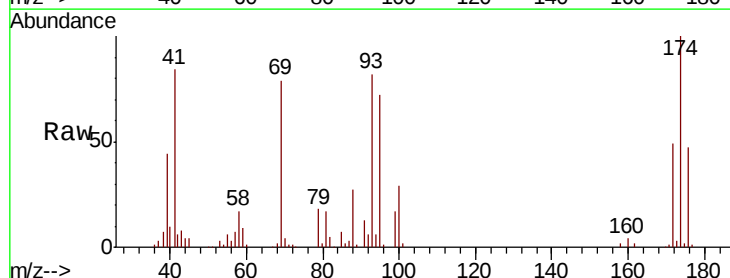
Tgt Ion: 93 Resp: 78029

Ion Ratio Lower Upper

93 100

95 85.2 66.8 100.2

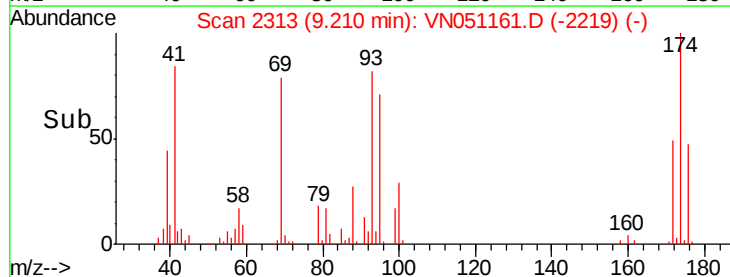
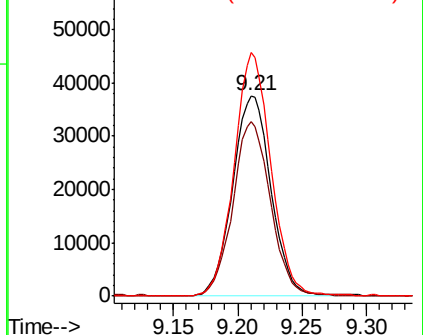
174 116.4 93.3 139.9

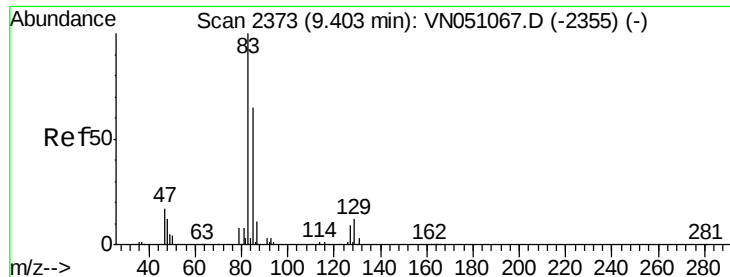


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.46 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

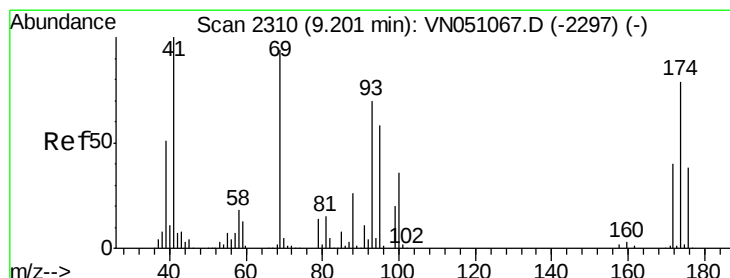
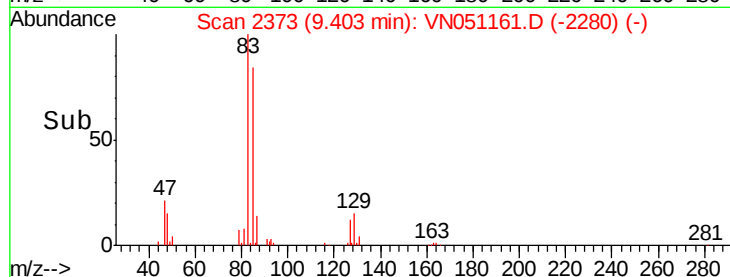
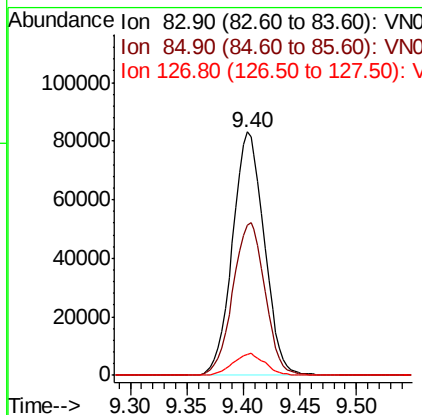
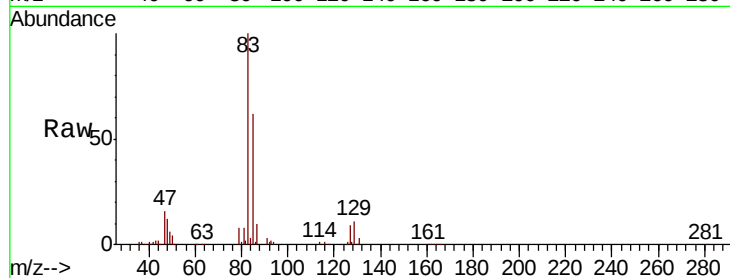
ClientSampleId :

VN0913WBS01

Tot Ion:	83	Resp:	162456
Ion Ratio	Lower	Upper	
83	100		
85	61.6	52.3	78.5
127	8.8	7.5	11.3

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#48

Methyl methacrylate

Concen: 19.83 ug/l

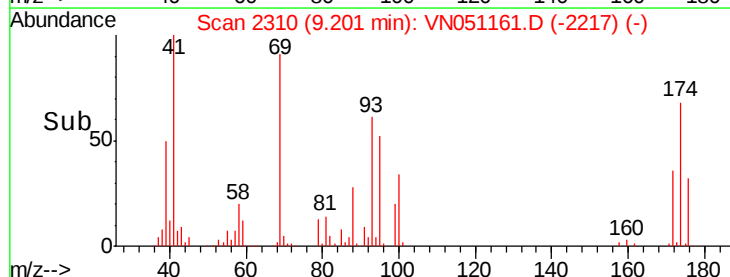
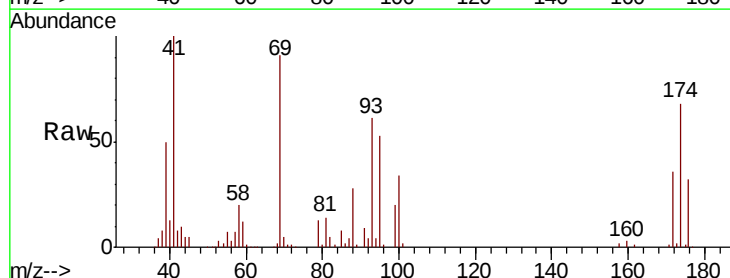
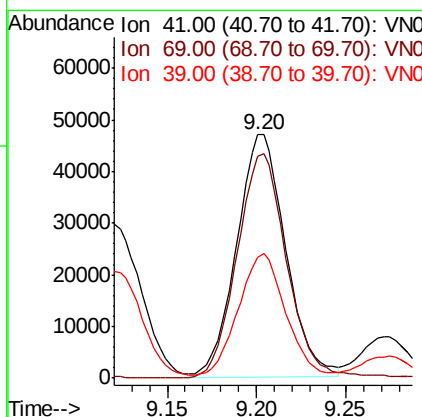
RT: 9.20 min Scan# 2310

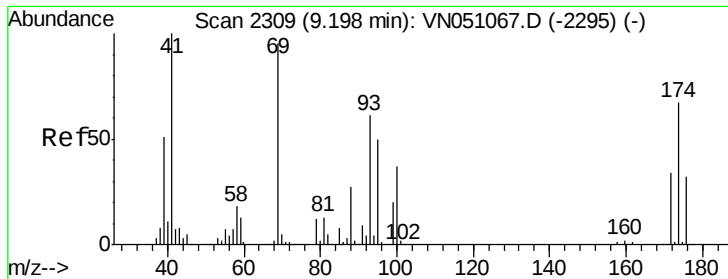
Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	41	Resp:	89971
Ion Ratio	Lower	Upper	
41	100		
69	94.7	77.7	116.5
39	49.8	41.6	62.4





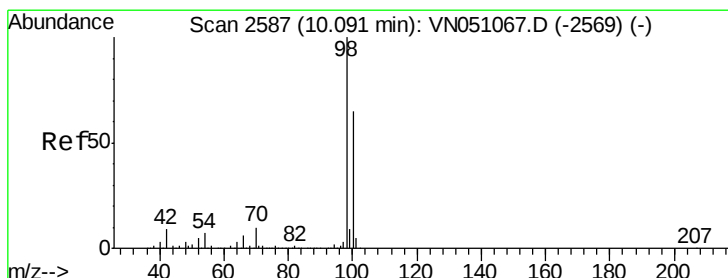
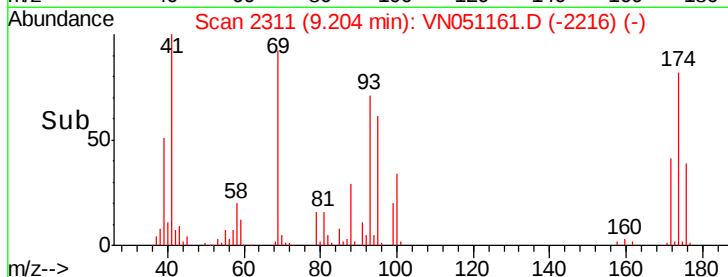
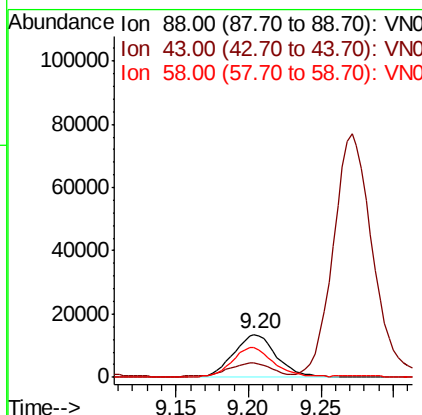
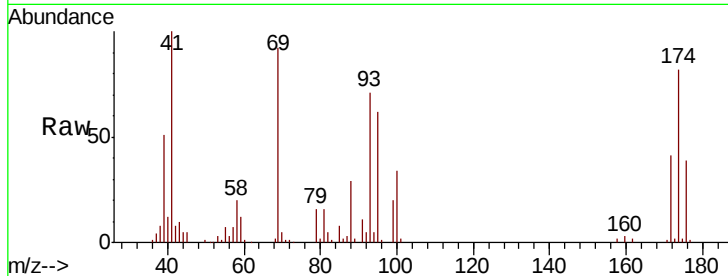
#49
1,4-Dioxane
Concen: 393.59 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	88	Resp	28002
Ion Ratio	Lower	Upper	
88	100		
43	32.1	23.7	35.5
58	67.9	54.6	82.0

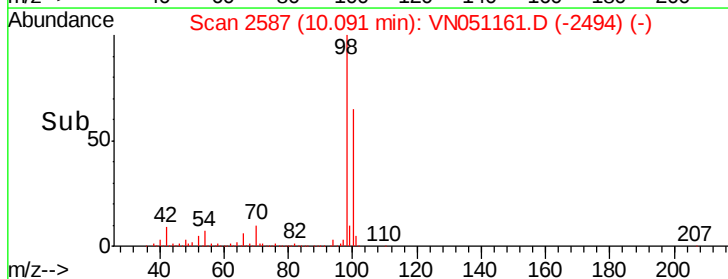
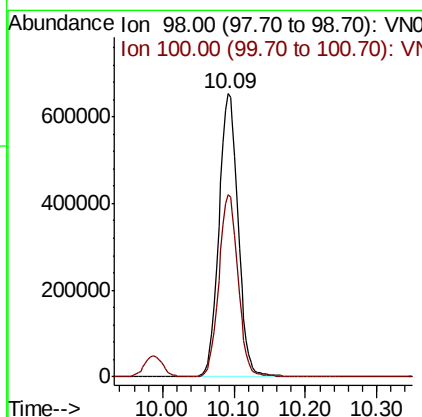
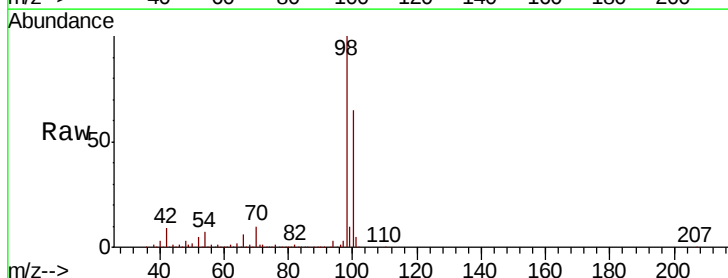
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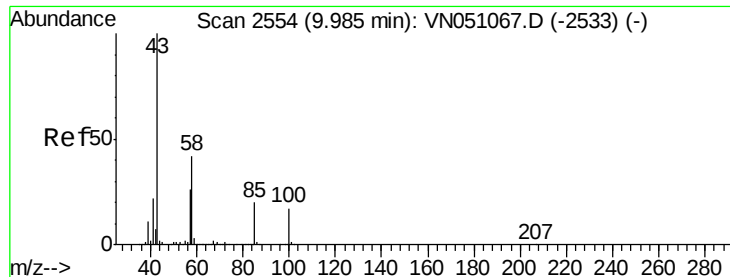
MMDadoda
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#50
Toluene-d8
Concen: 51.44 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	98	Resp	1217180
Ion Ratio	Lower	Upper	
98	100		
100	64.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 104.21 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 43 Resp: 536542

Ion Ratio Lower Upper

43 100

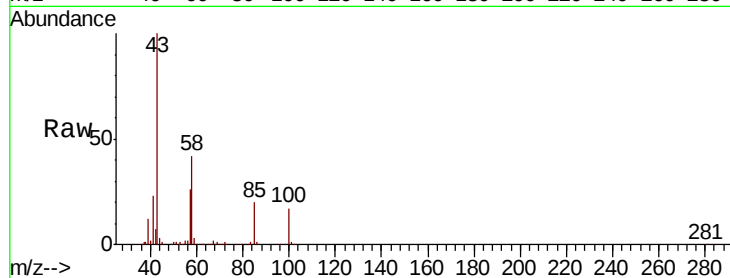
58 41.7 33.5 50.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

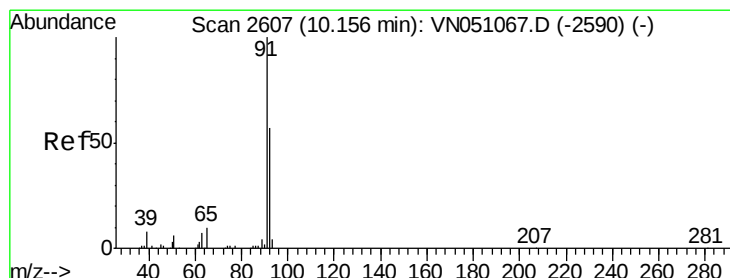
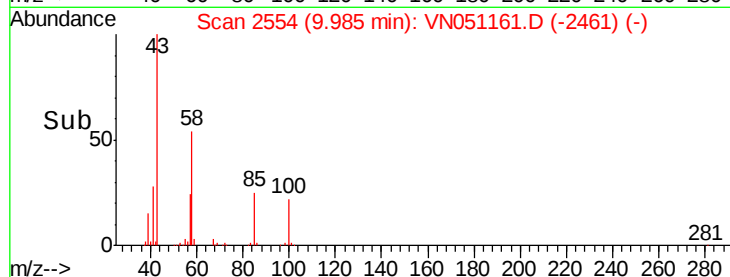
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 17.98 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051161.D

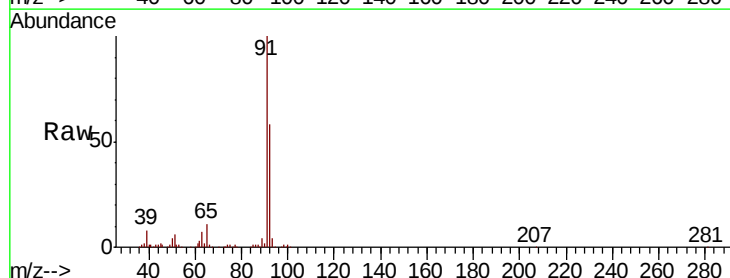
Acq: 13 Sep 2018 10:38

Tgt Ion: 92 Resp: 300931

Ion Ratio Lower Upper

92 100

91 175.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

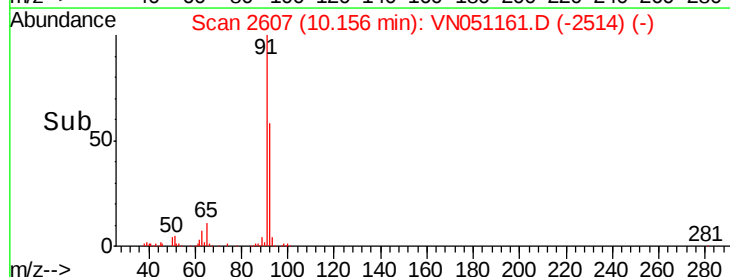
200000

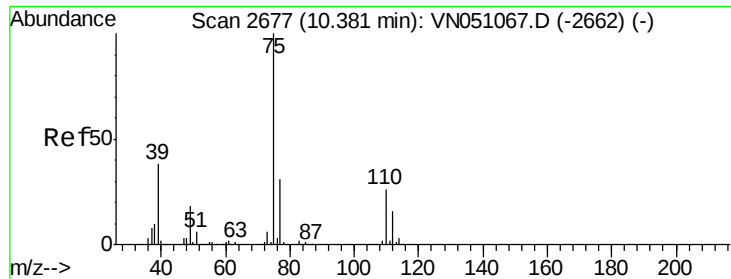
100000

0

10.10 10.20 10.30

Time-->





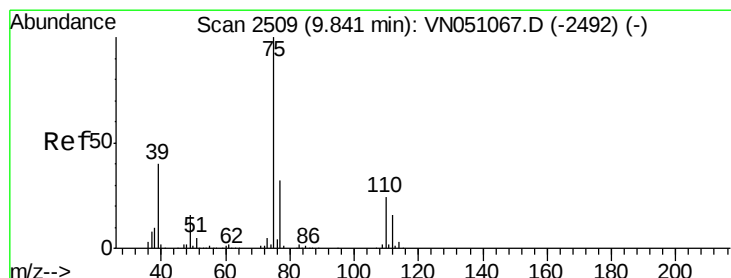
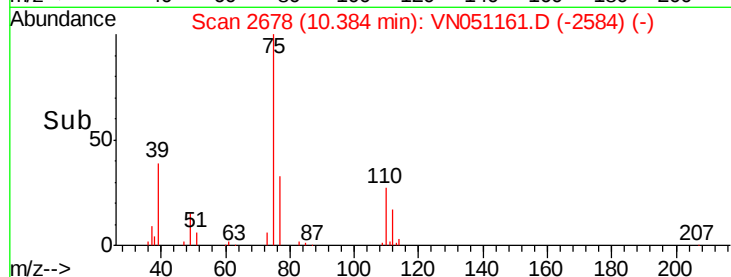
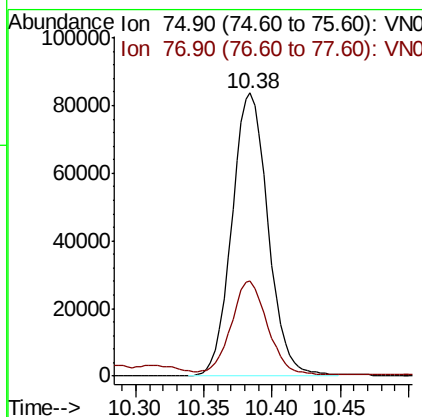
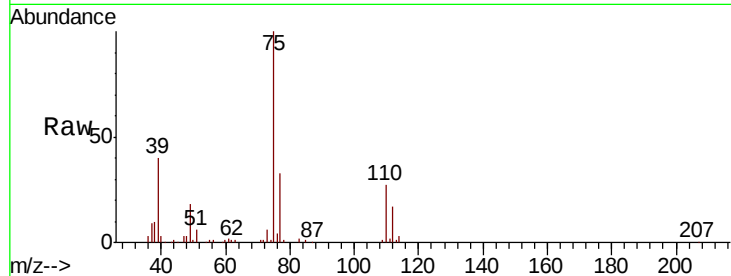
#53
t-1,3-Dichloropropene
Concen: 17.51 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

Tot Ion: 75 Resp: 154199
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9

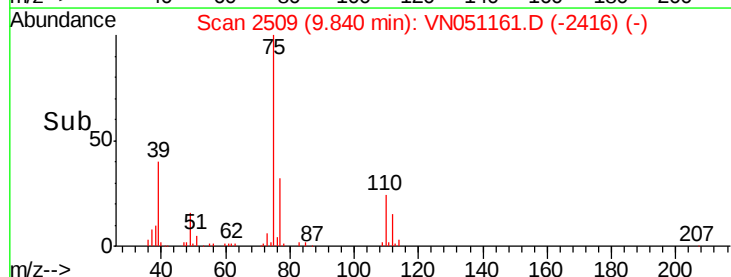
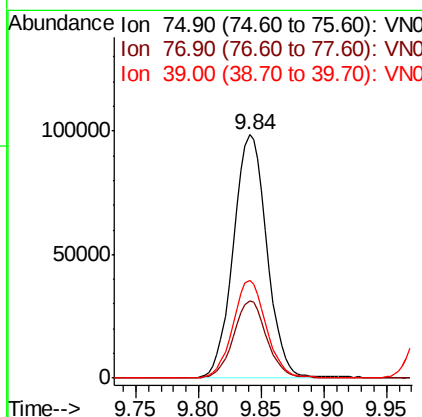
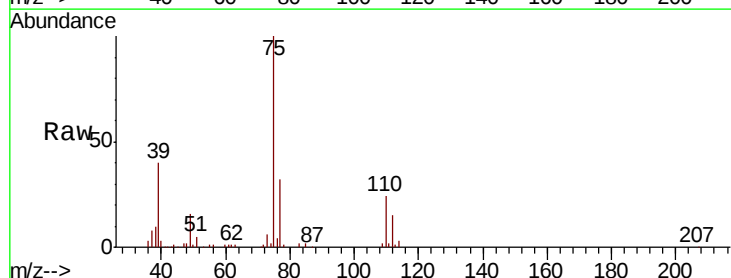
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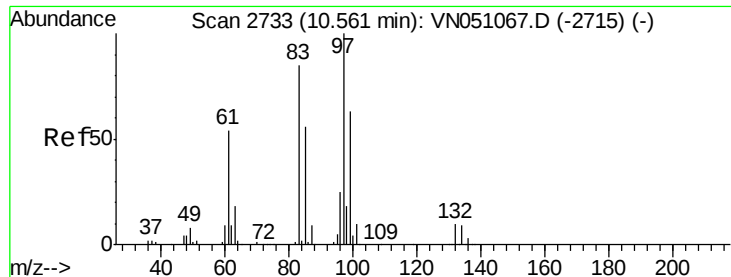
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#54
cis-1,3-Dichloropropene
Concen: 17.79 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 75 Resp: 183745
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 40.2 31.9 47.9





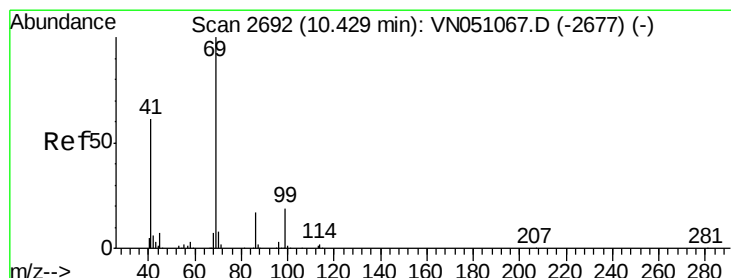
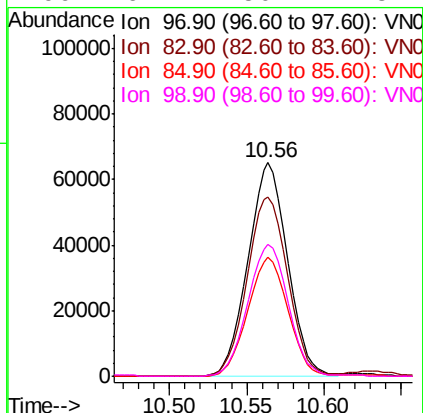
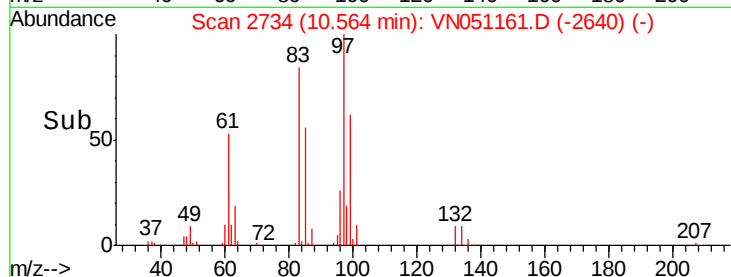
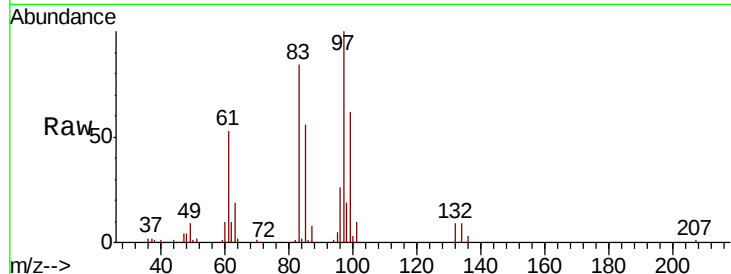
#55
 1,1,2-Trichloroethane
 Concen: 19.08 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.2	102.2
85	55.6	44.8	67.2
99	61.7	50.2	75.4

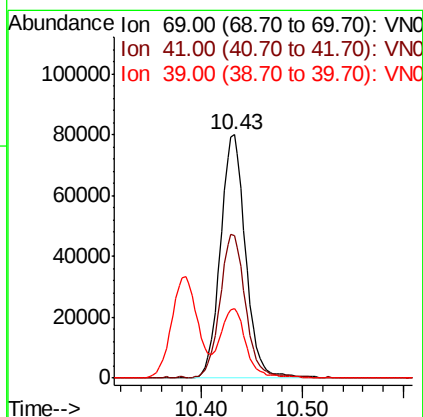
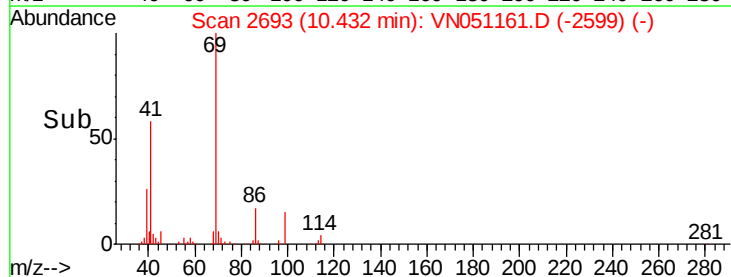
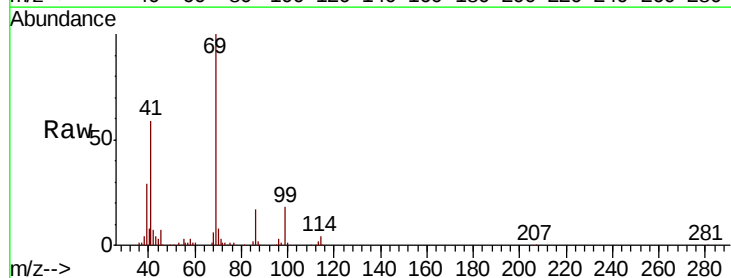
Manual Integrations
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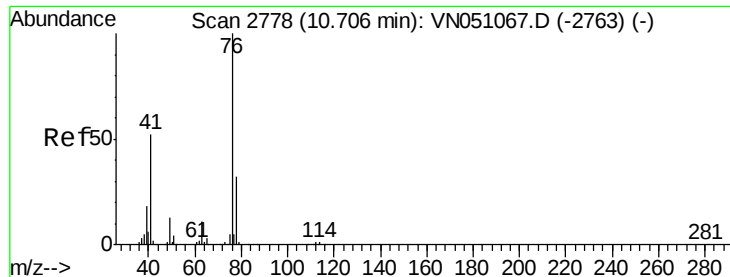
MMDadoda
 9/14/2018 11:47:00 AM



#56
 Ethyl methacrylate
 Concen: 18.67 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.8	71.8
39	29.5	23.0	34.4





#57

1,3-Dichloropropane

Concen: 18.87 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 76 Resp: 190217

Ion Ratio Lower Upper

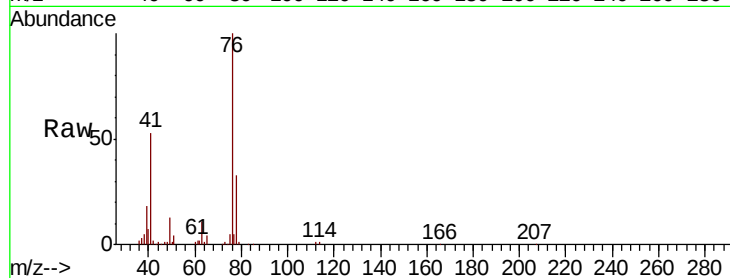
76 100

78 32.2 26.1 39.1

Manual Integrations
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MMDadoda

9/14/2018 11:47:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

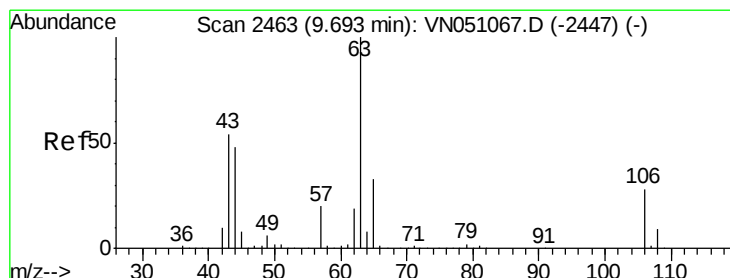
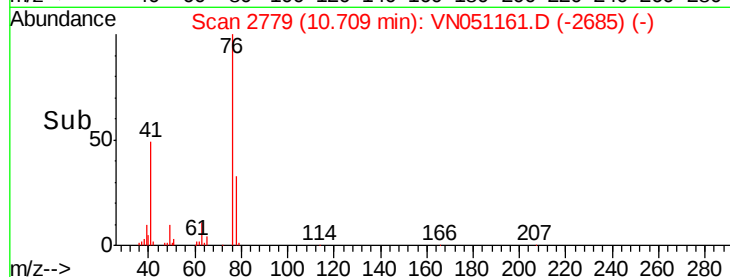
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 101.50 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051161.D

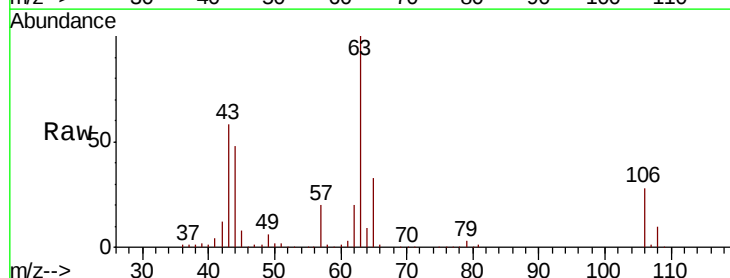
Acq: 13 Sep 2018 10:38

Tgt Ion: 63 Resp: 315162

Ion Ratio Lower Upper

63 100

106 27.6 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

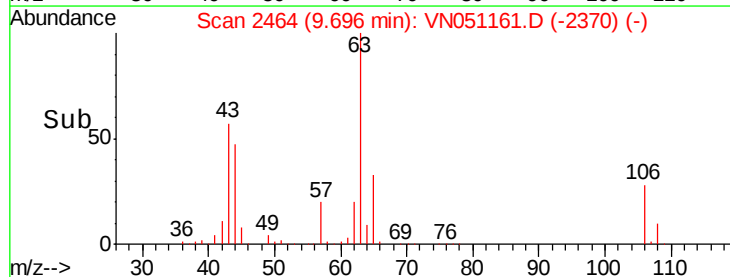
150000

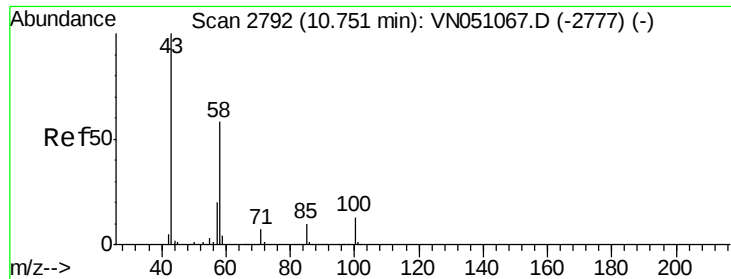
100000

50000

0

Time--> 9.60 9.70 9.80





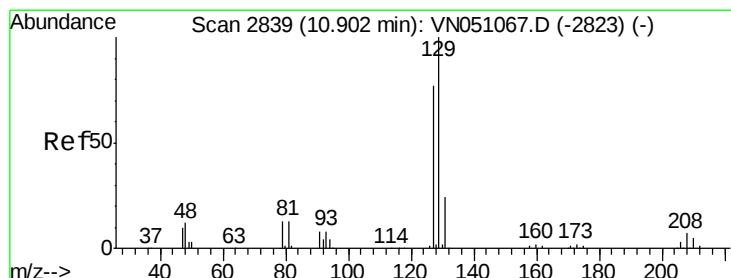
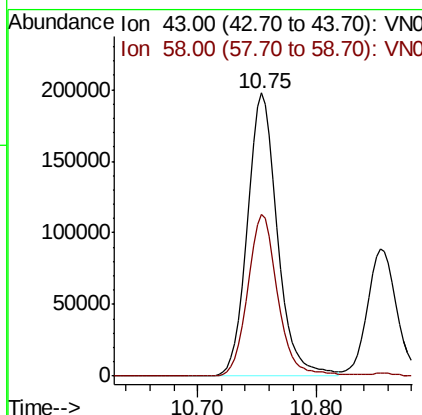
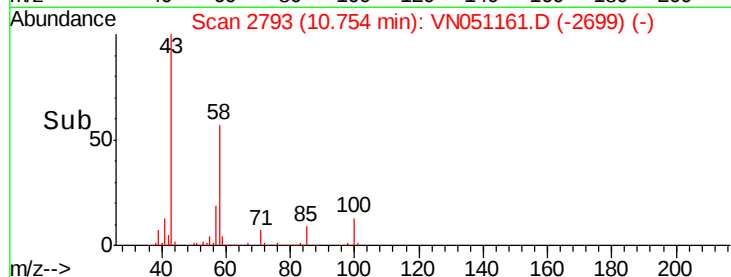
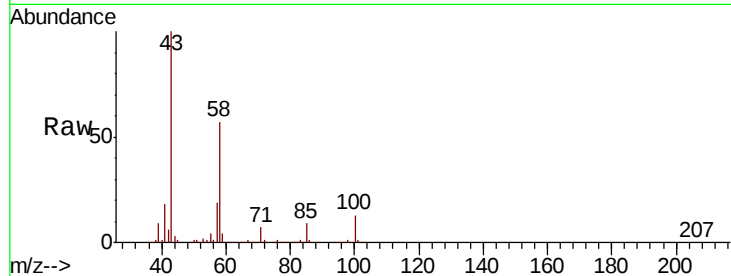
#59
2-Hexanone
Concen: 98.36 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	43	Resp	343435
Ion Ratio	100	Lower	Upper
43	100		
58	57.5	29.3	88.0

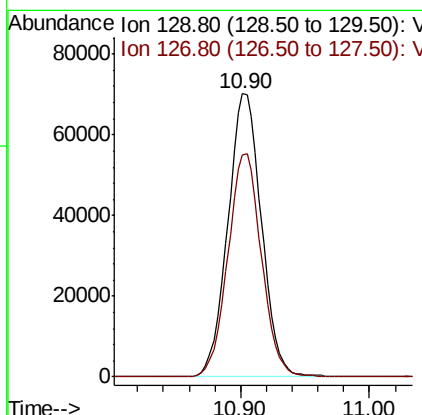
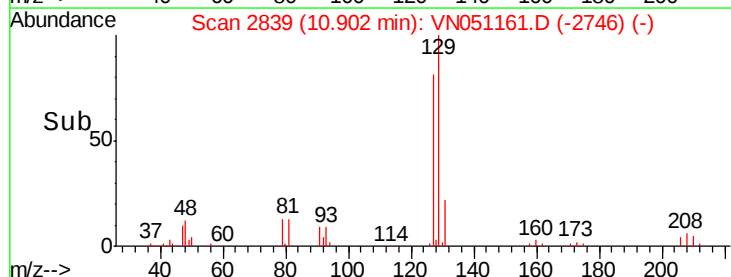
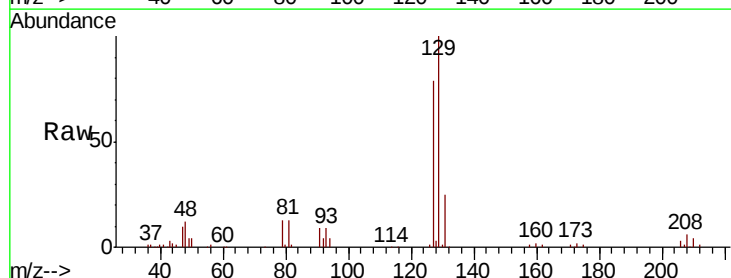
Manual Integrations
APPROVED

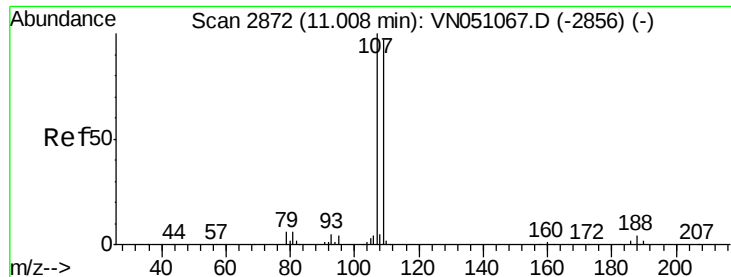
MMDadoda
9/14/2018 11:47:00 AM



#60
Dibromochloromethane
Concen: 18.51 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	129	Resp	126850
Ion Ratio	100	Lower	Upper
129	100		
127	78.7	38.5	115.5





#61

1,2-Dibromoethane

Concen: 18.93 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 107 Resp: 112550

Ion Ratio Lower Upper

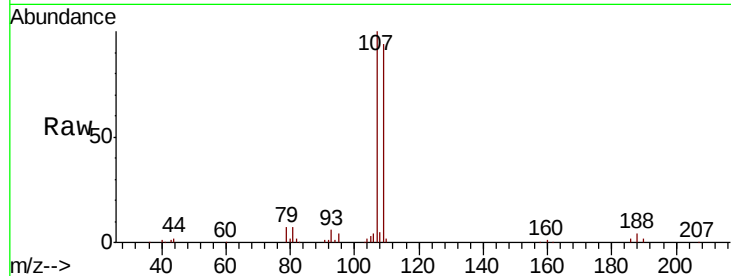
107 100

109 93.9 76.0 114.0

Manual Integrations
APPROVED

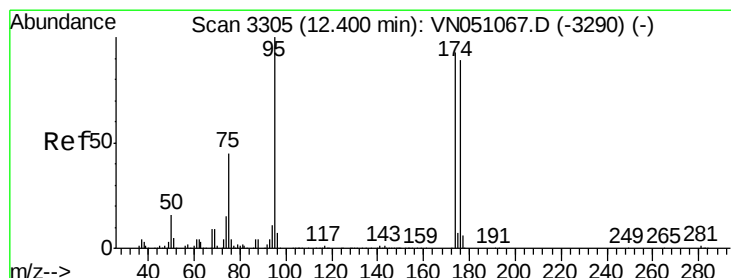
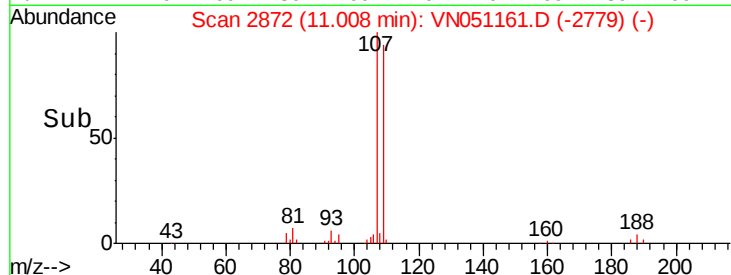
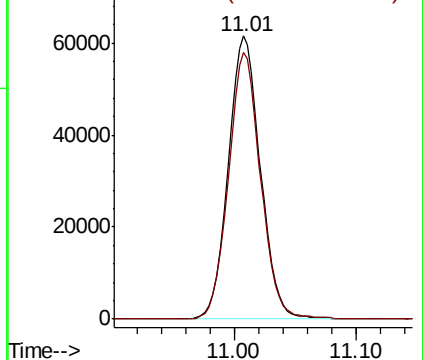
MMDadoda

9/14/2018 11:47:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.00 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

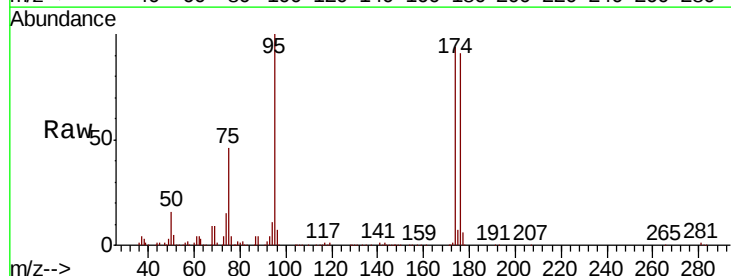
Tgt Ion: 95 Resp: 375713

Ion Ratio Lower Upper

95 100

174 93.3 0.0 184.8

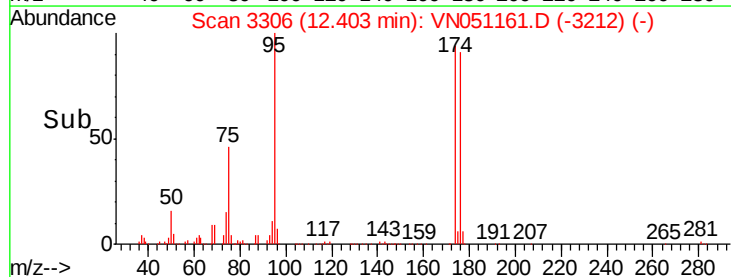
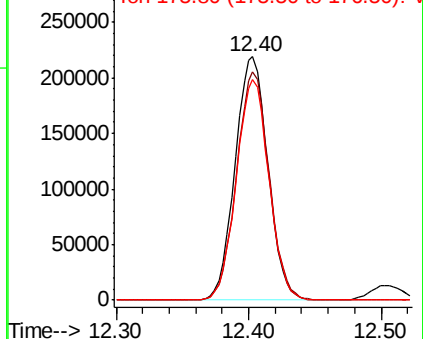
176 90.3 0.0 178.6

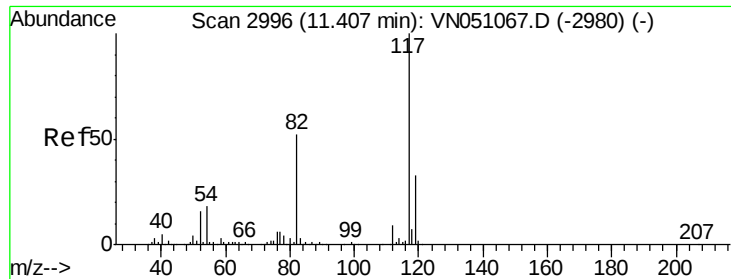


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





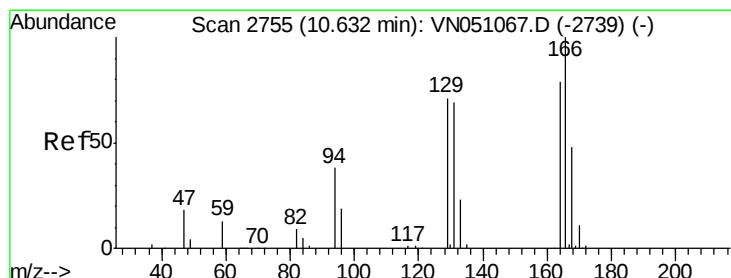
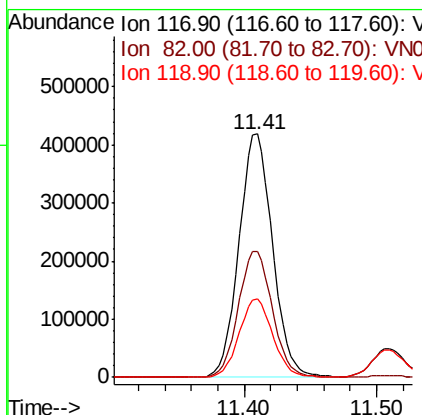
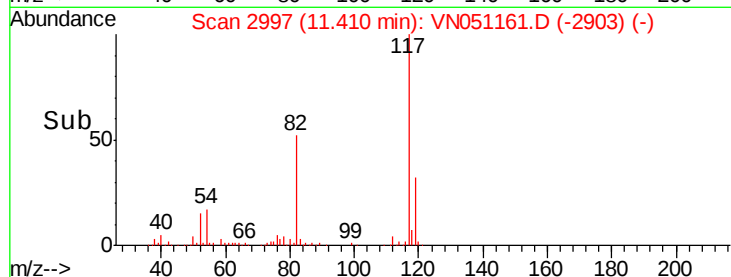
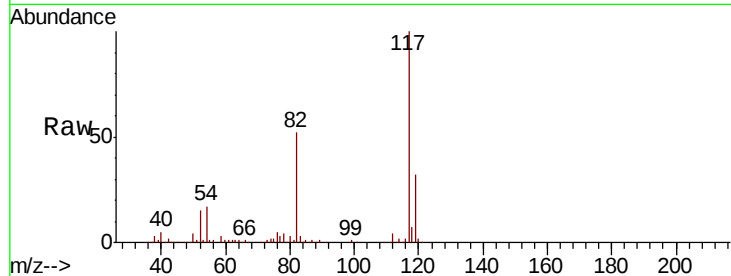
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.6
119	32.1	26.2	39.2

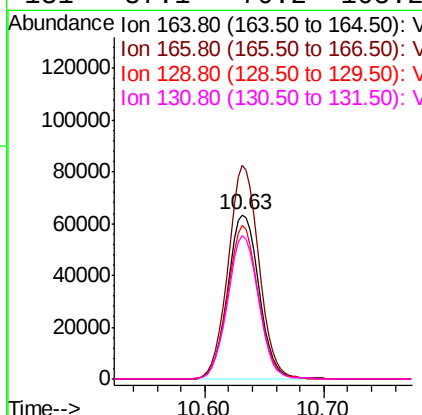
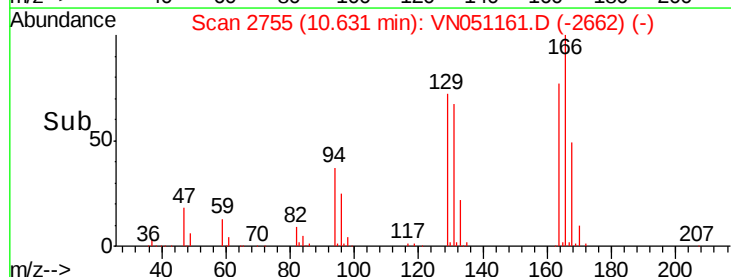
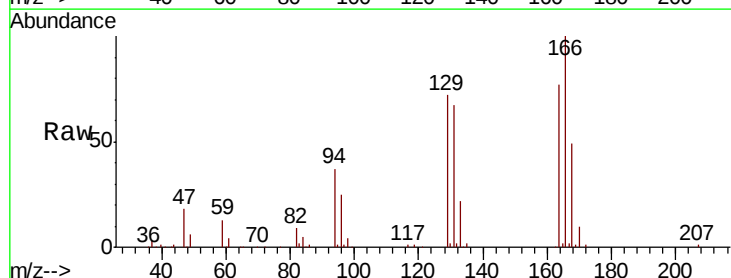
Manual Integrations
APPROVED

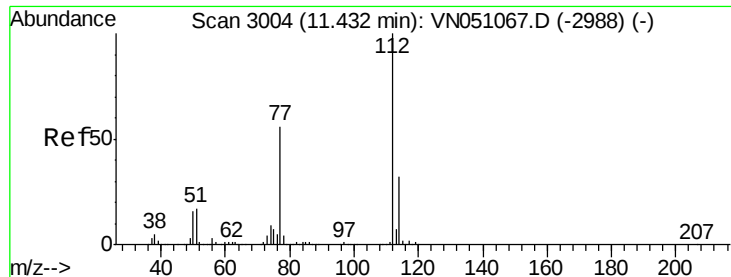
MMDadoda
9/14/2018 11:47:00 AM



#64
Tetrachloroethene
Concen: 17.23 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.3	151.9
129	93.1	72.2	108.2
131	87.1	70.2	105.2





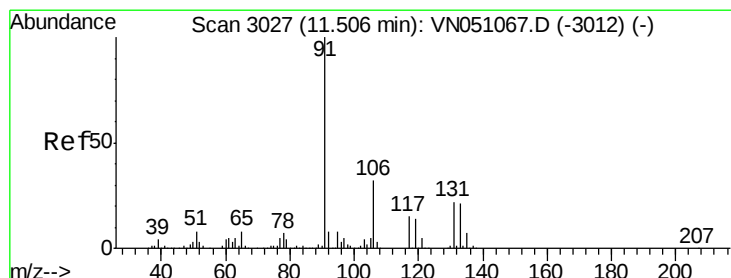
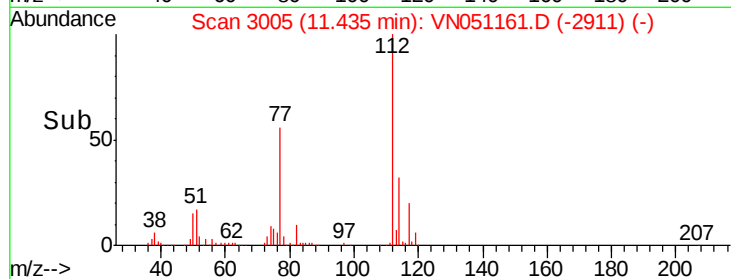
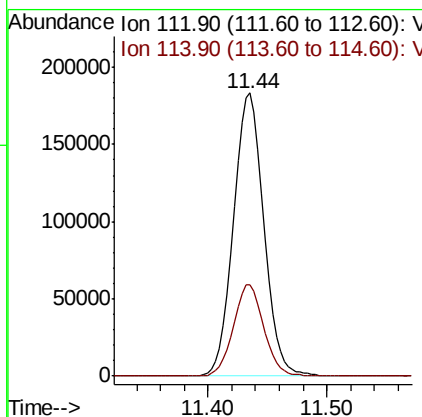
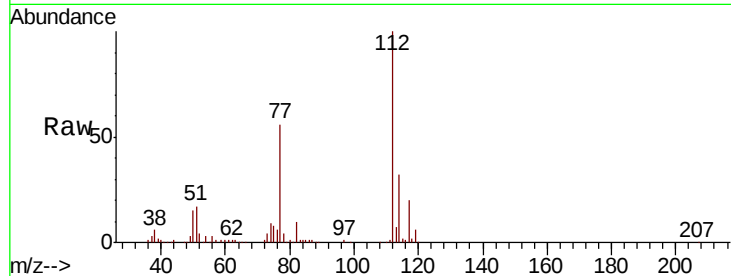
#65
Chlorobenzene
Concen: 17.42 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

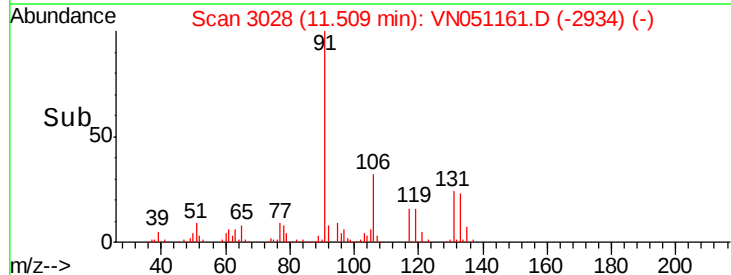
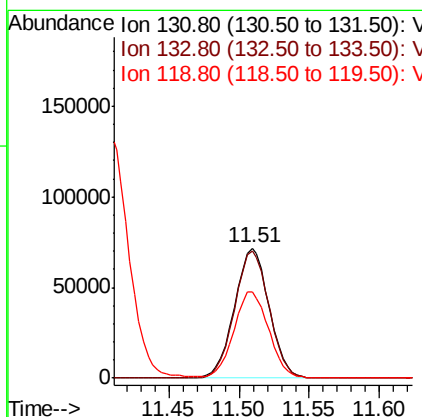
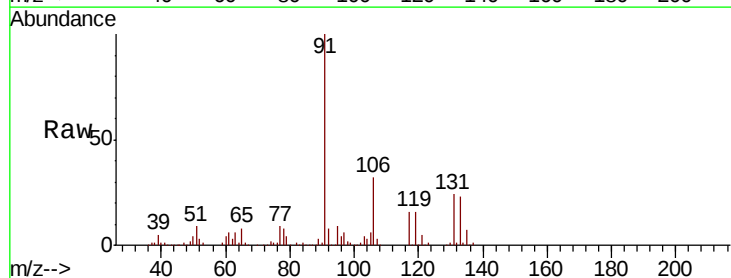
Manual Integrations
APPROVED

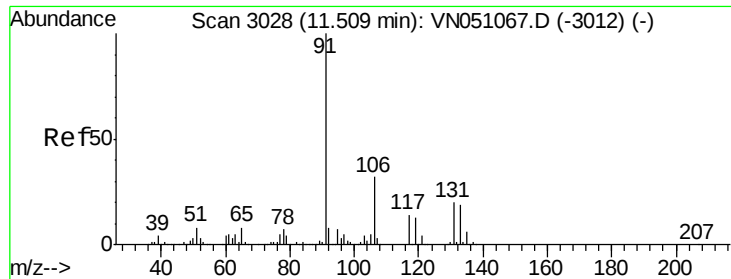
MMDadoda
9/14/2018 11:47:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.50 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.5	142.6
119	67.1	33.2	99.6





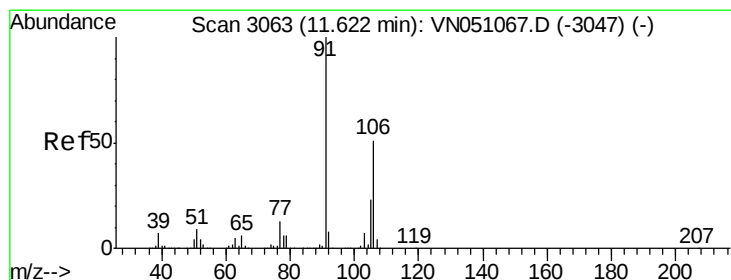
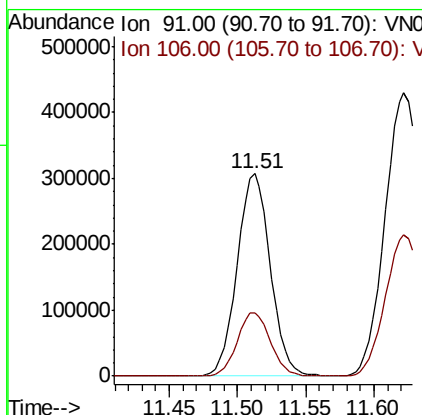
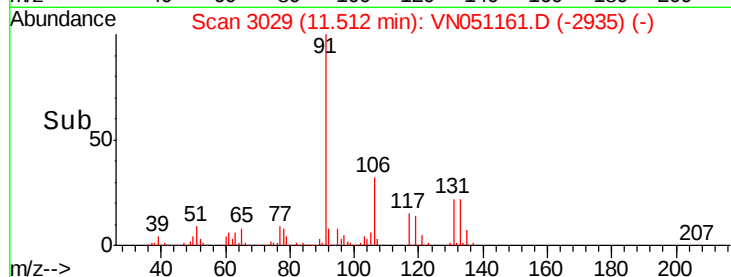
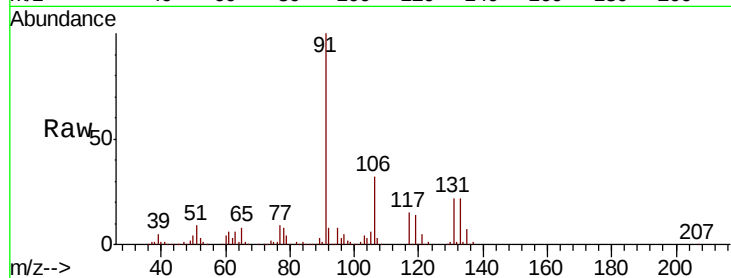
#67
Ethyl Benzene
Concen: 17.27 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion: 91 Resp: 519219
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

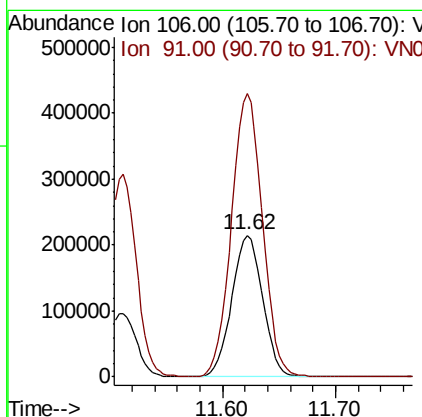
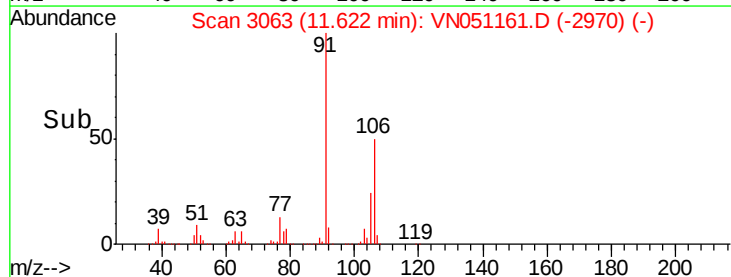
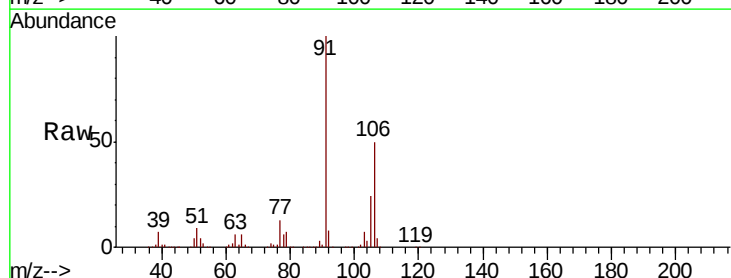
Manual Integrations
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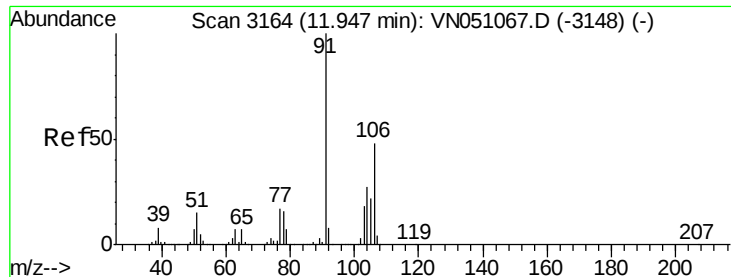
MMDadoda
9/14/2018 11:47:00 AM



#68
m/p-Xylenes
Concen: 35.32 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion: 106 Resp: 408034
Ion Ratio Lower Upper
106 100
91 200.5 159.8 239.6





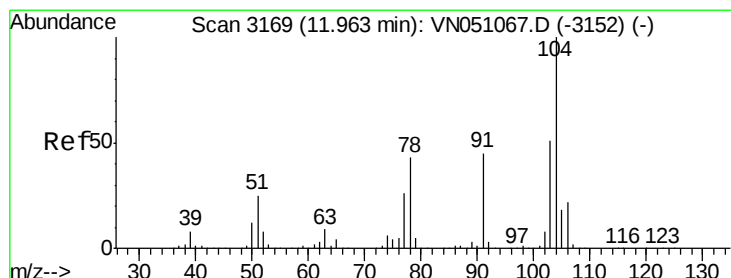
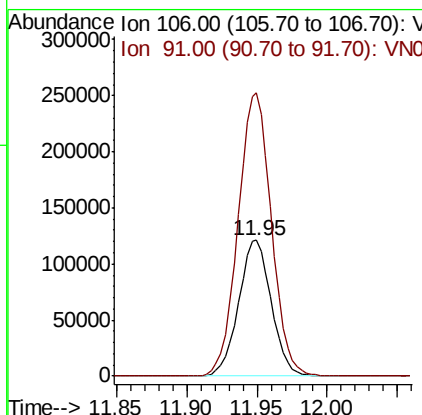
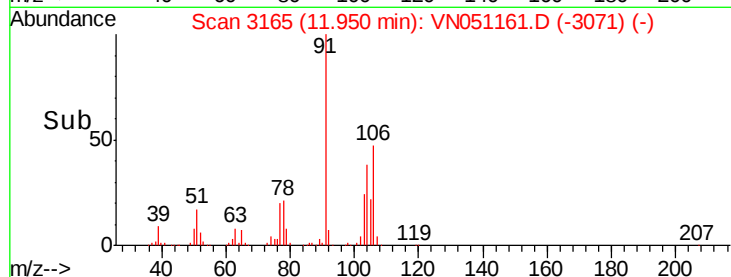
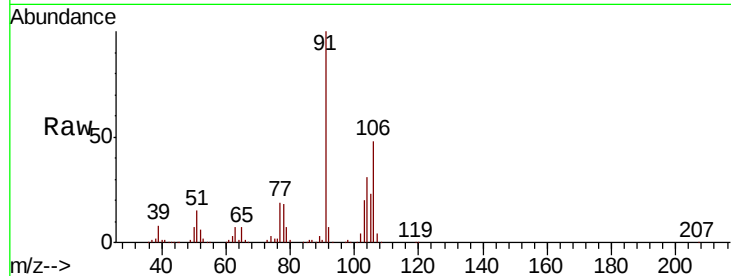
#69
o-Xylene
Concen: 17.61 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	197028		
91	91	212.0	105.1	315.1	

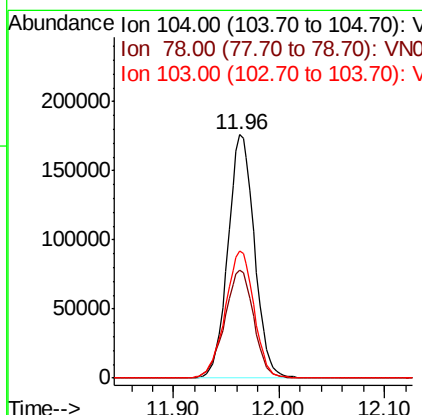
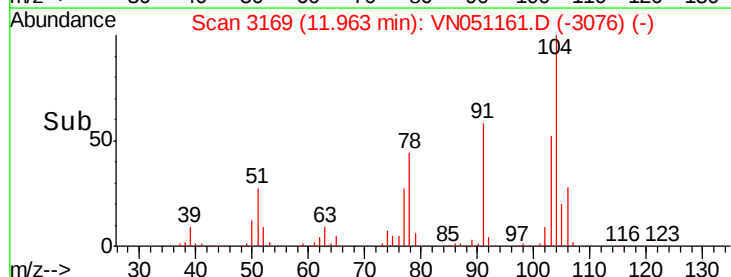
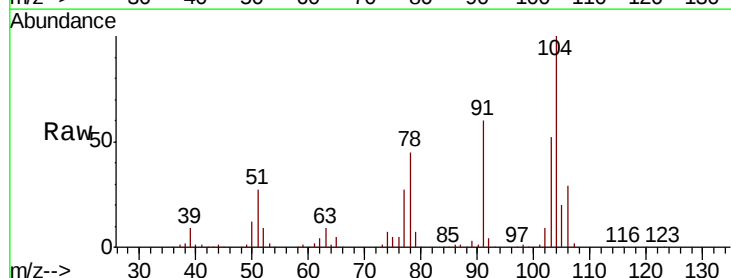
Manual Integrations
APPROVED

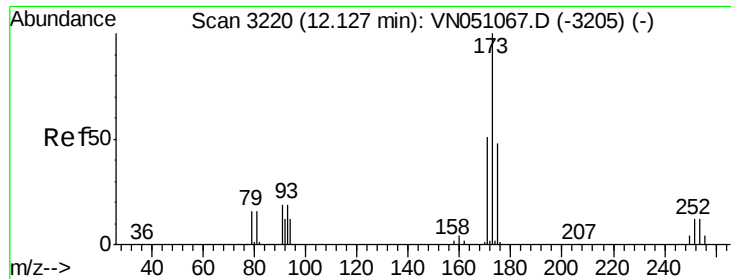
MMDadoda
9/14/2018 11:47:00 AM



#70
Styrene
Concen: 17.62 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	305756		
78	78	48.6	37.7	56.5	
103	103	56.7	44.6	67.0	





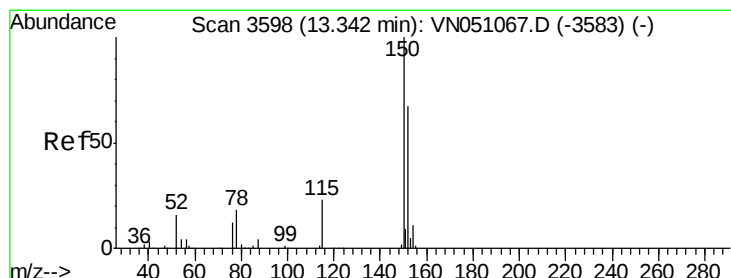
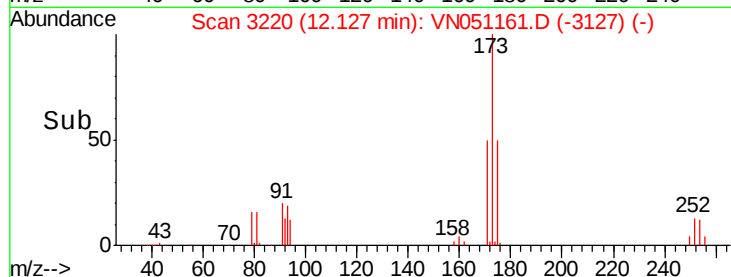
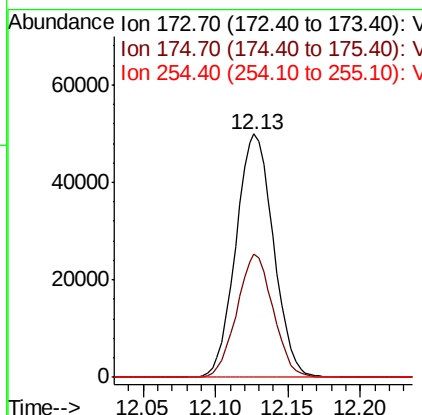
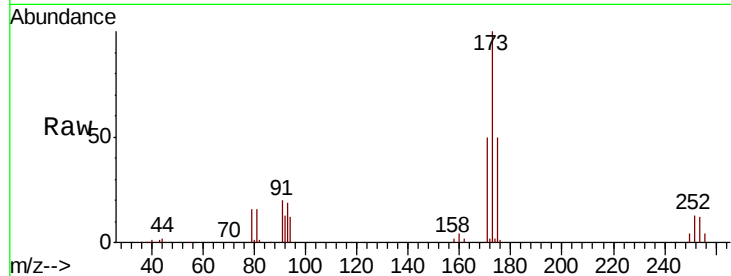
#71
Bromoform
Concen: 19.13 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.0	0.0	0.0

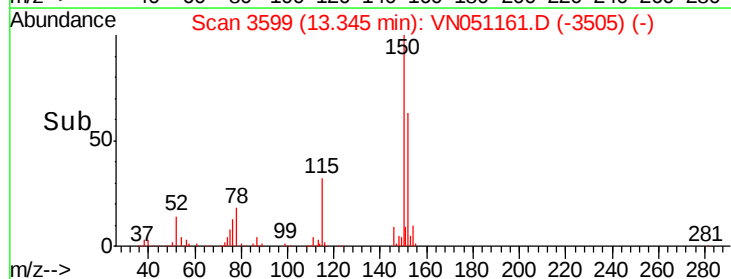
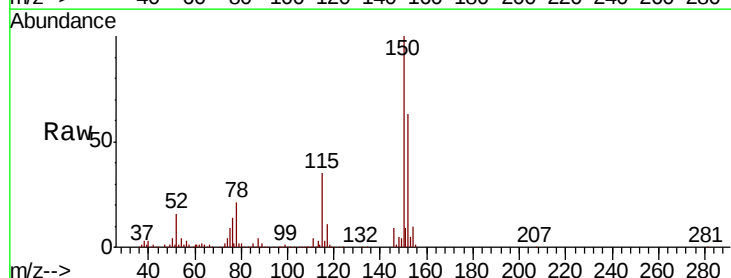
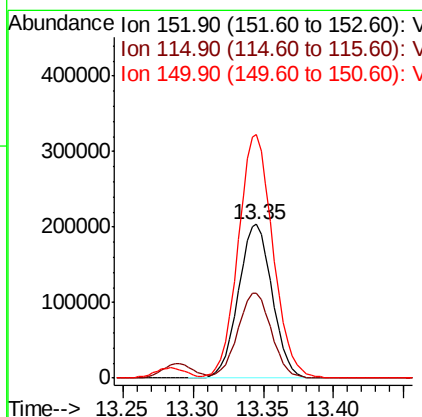
Manual Integrations
APPROVED

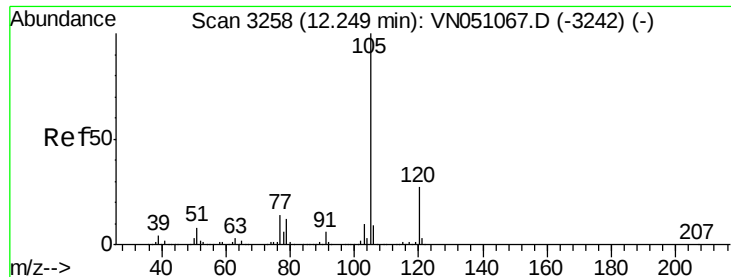
MMDadoda
9/14/2018 11:47:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.2	84.7
150	162.7	0.0	349.0





#73

Isopropylbenzene

Concen: 18.15 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion: 105 Resp: 519938

Ion Ratio Lower Upper

105 100

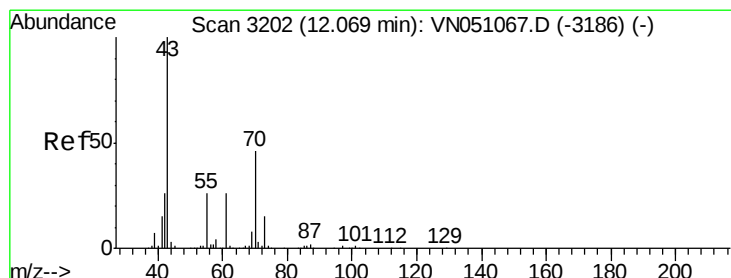
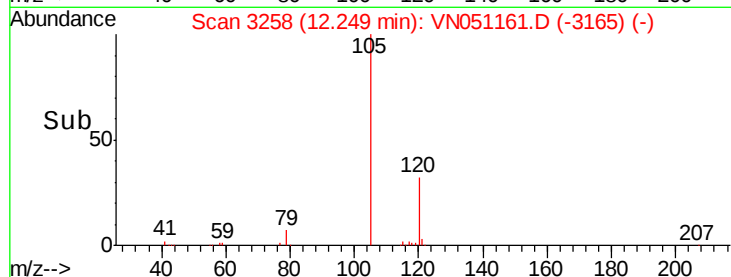
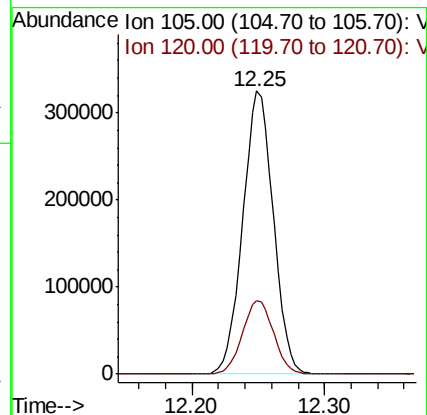
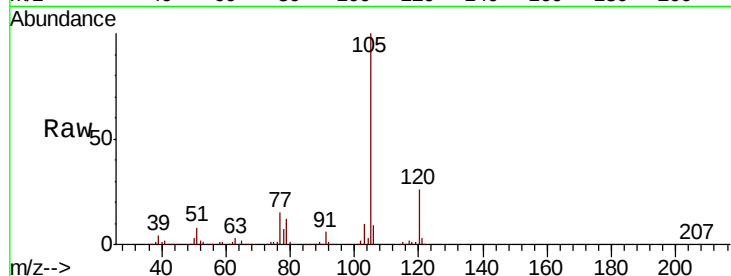
120 26.5 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.28 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion: 43 Resp: 131796

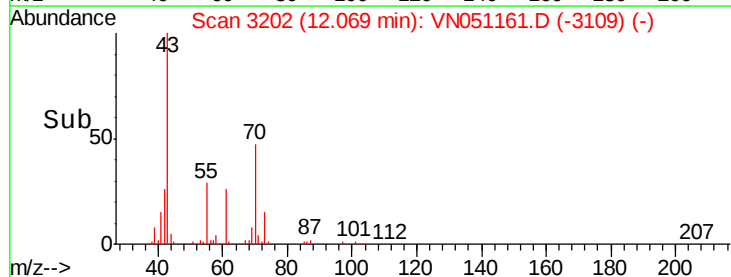
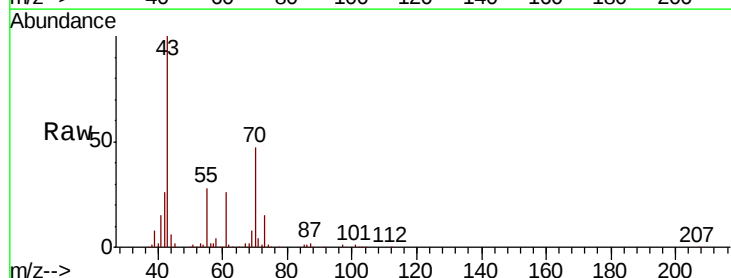
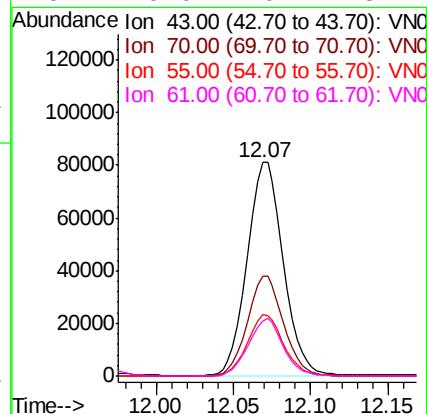
Ion Ratio Lower Upper

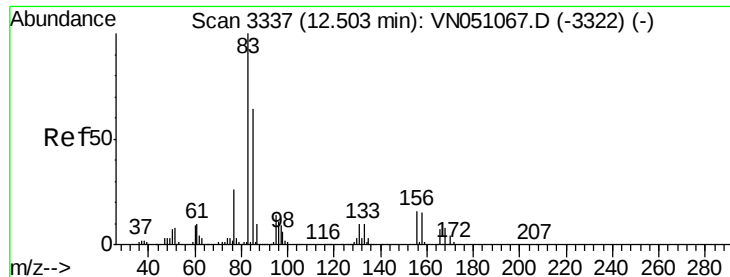
43 100

70 46.7 37.0 55.4

55 28.7 21.3 31.9

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.00 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

Tot Ion: 83 Resp: 150464

Ion Ratio Lower Upper

83 100

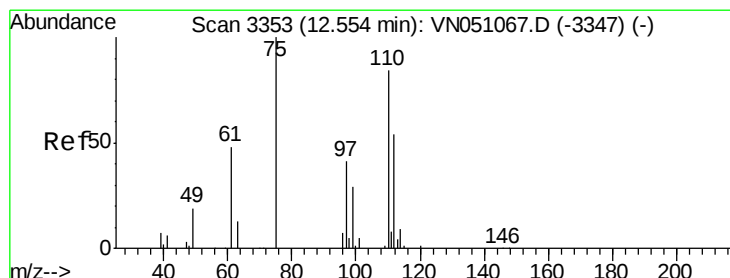
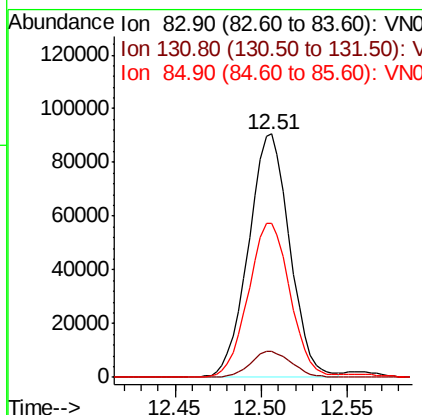
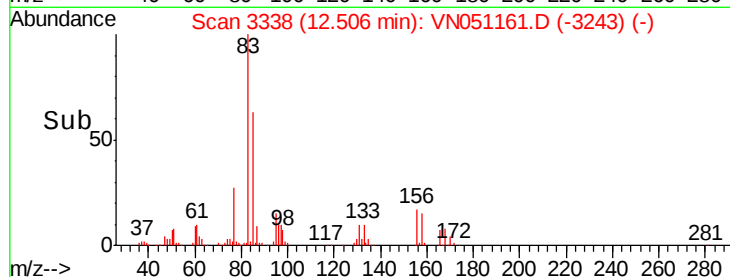
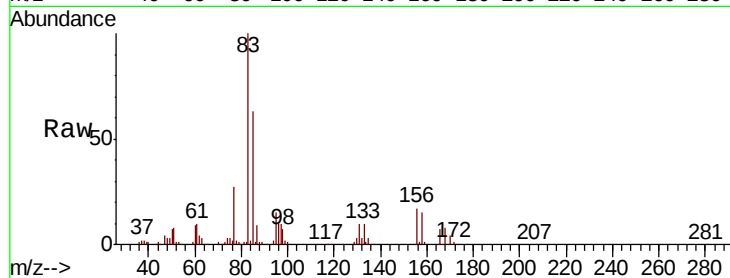
131 10.7 5.3 16.1

85 64.3 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.55 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051161.D

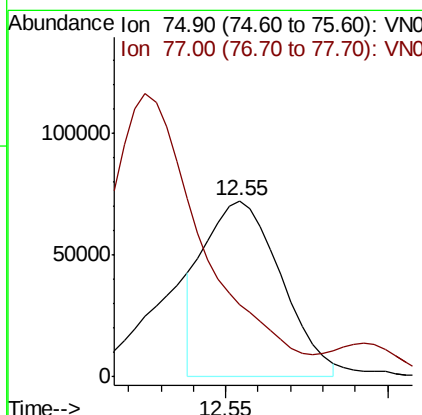
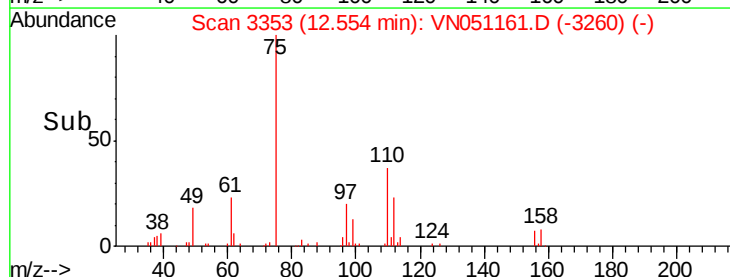
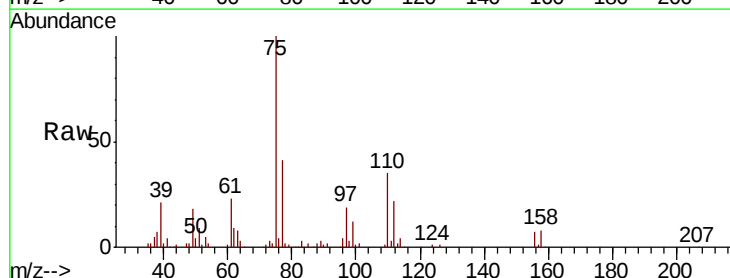
Acq: 13 Sep 2018 10:38

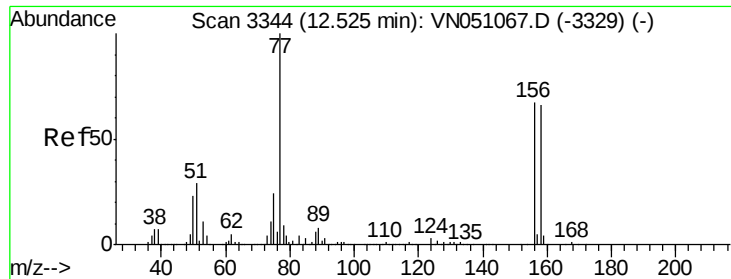
Tgt Ion: 75 Resp: 118603

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 17.46 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

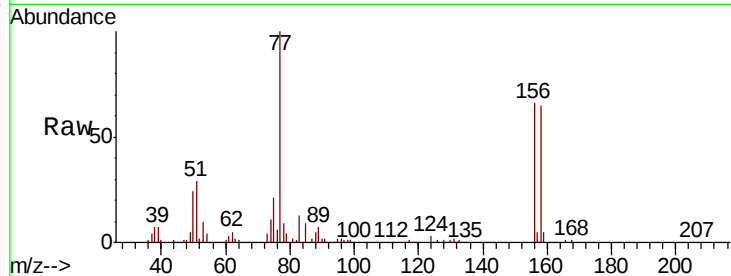
ClientSampleId :

VN0913WBS01

Tot Ion:	156	Resp:	134351
Ion Ratio	Lower	Upper	
156	100		
77	179.9	87.5	262.6
158	97.9	49.0	147.2

Manual Integrations
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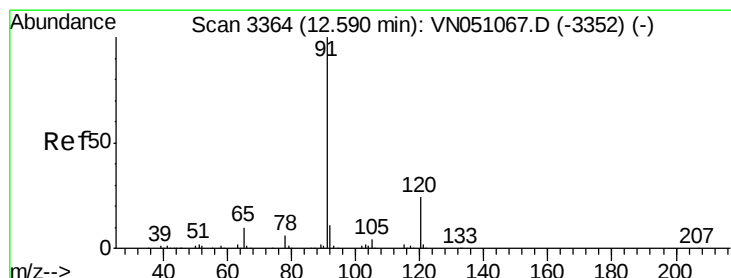
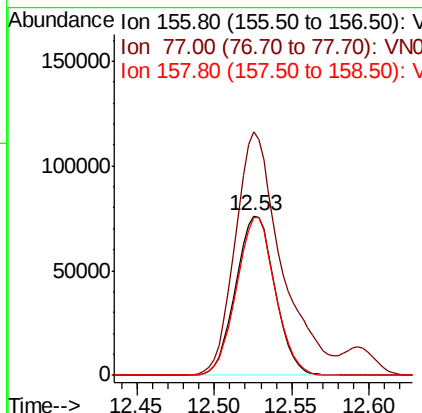
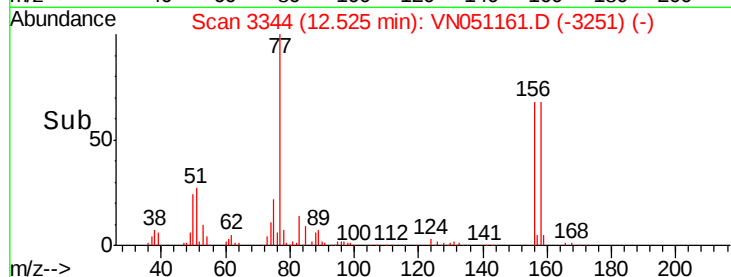
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.73 ug/l

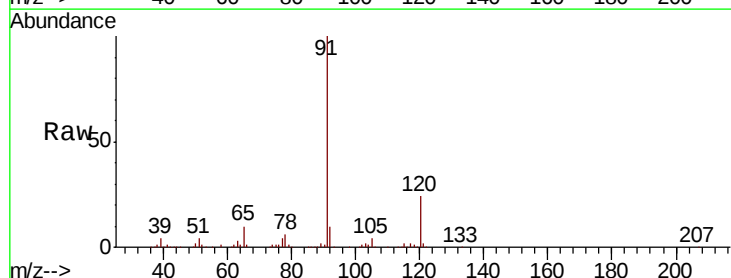
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051161.D

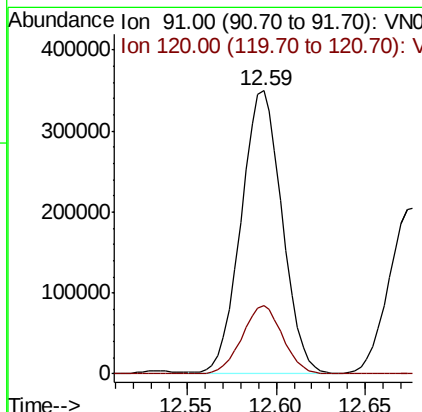
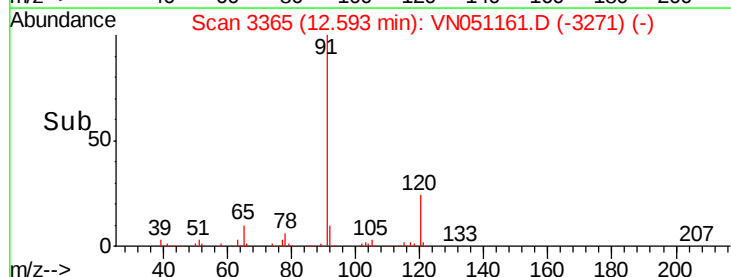
Acq: 13 Sep 2018 10:38

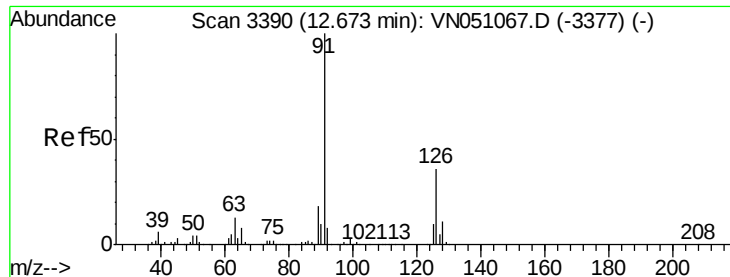
Tgt Ion:	91	Resp:	558330
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.50 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS01

Tot Ion: 91 Resp: 344317

Ion Ratio Lower Upper

91 100

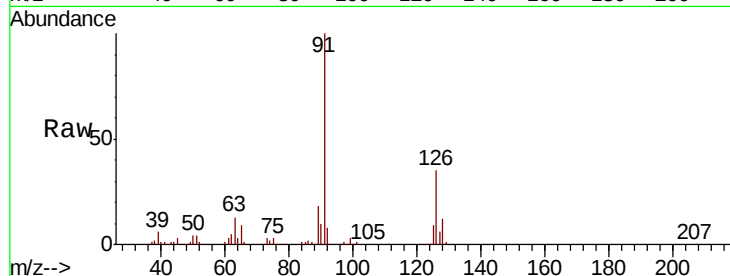
126 36.1 17.9 53.7

Manual Integrations

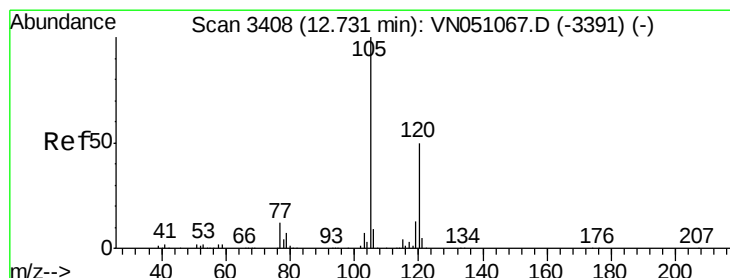
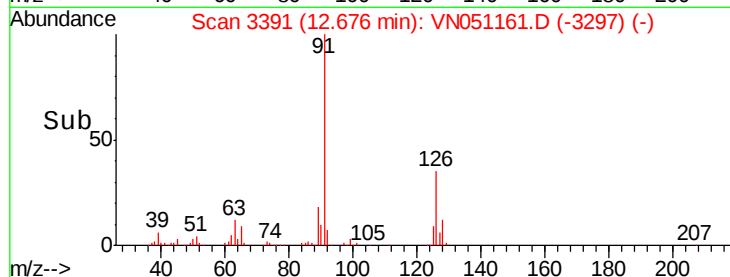
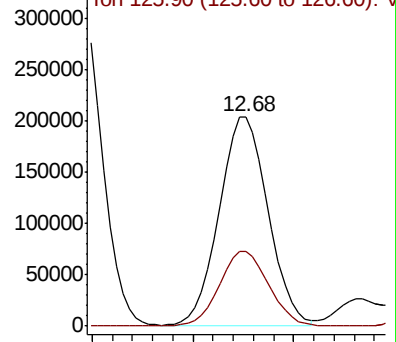
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Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.83 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051161.D

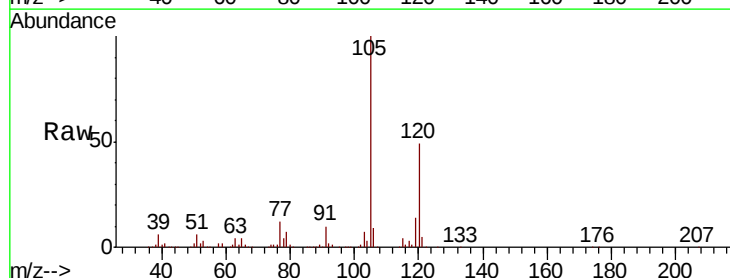
Acq: 13 Sep 2018 10:38

Tgt Ion: 105 Resp: 412920

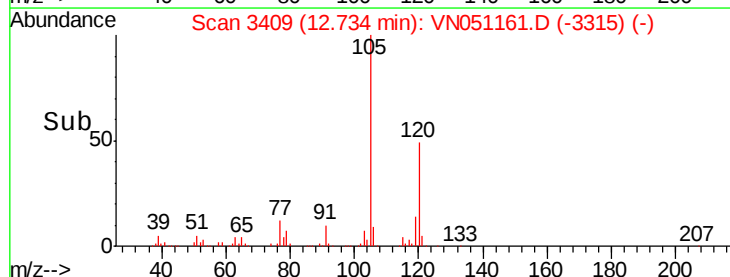
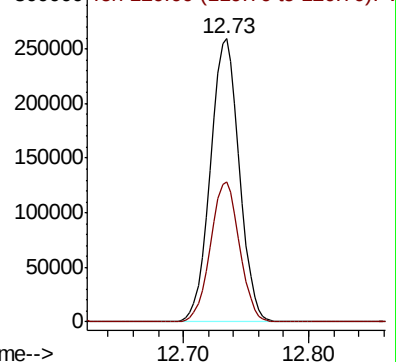
Ion Ratio Lower Upper

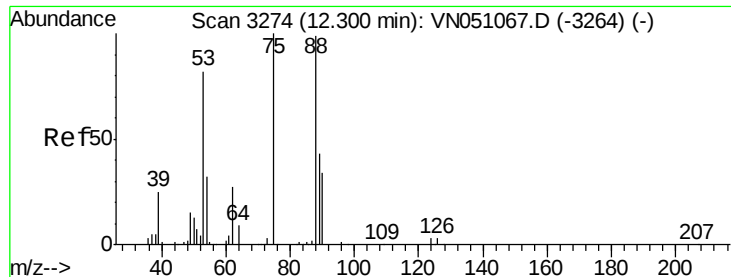
105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.34 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

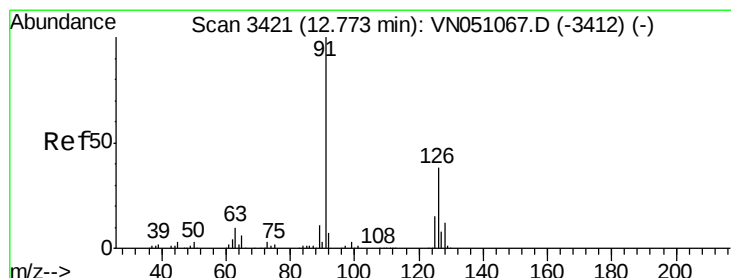
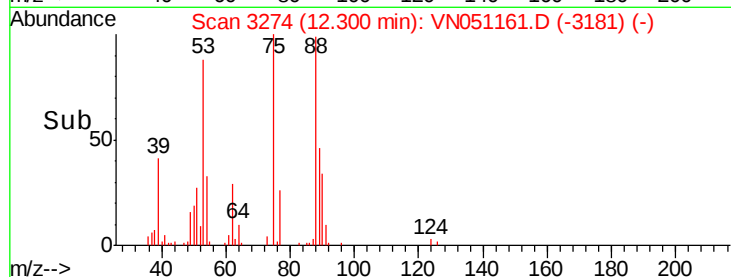
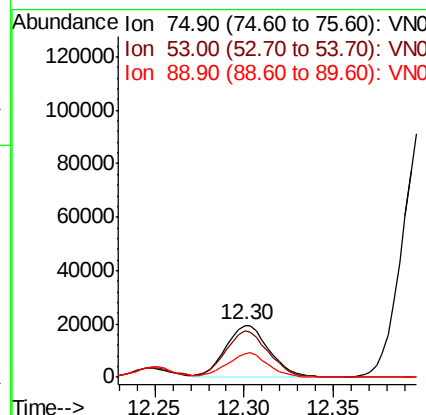
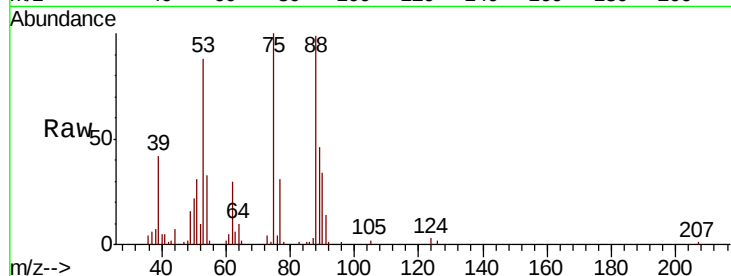
ClientSampleId :

VN0913WBS01

Tot Ion:	75	Resp:	32977
Ion	Ratio	Lower	Upper
75	100		
53	89.2	67.8	101.8
89	45.1	36.0	54.0

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#82

4-Chlorotoluene

Concen: 17.41 ug/l

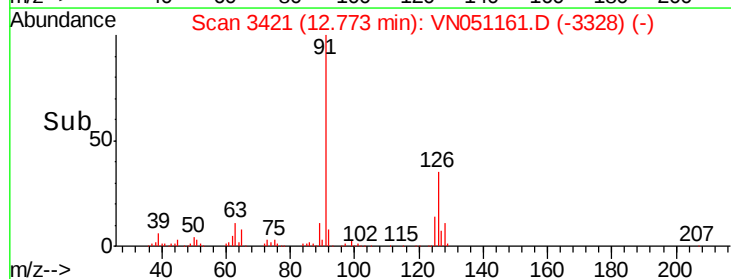
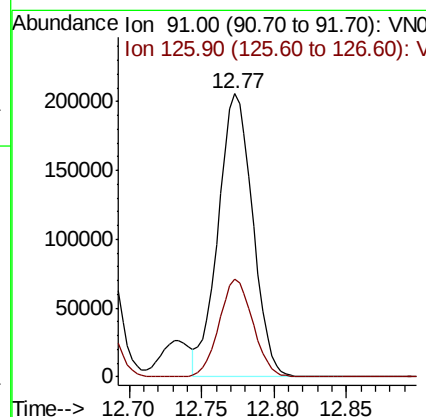
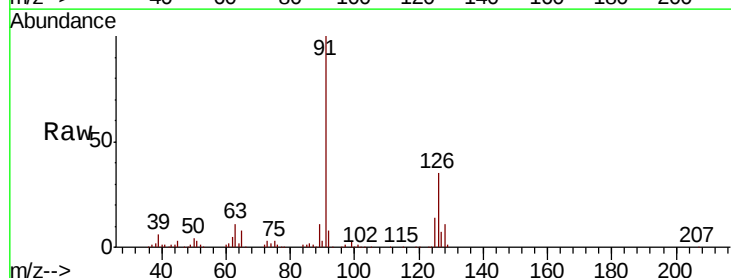
RT: 12.77 min Scan# 3421

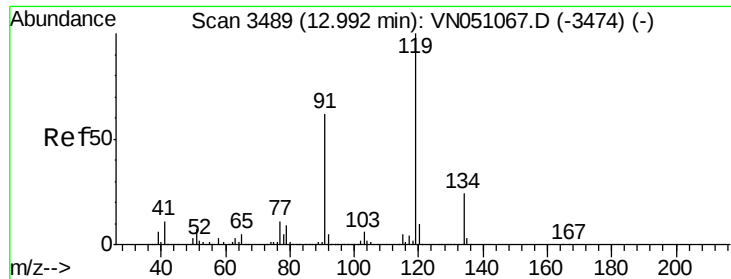
Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Tgt Ion:	91	Resp:	340059
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.6	52.8





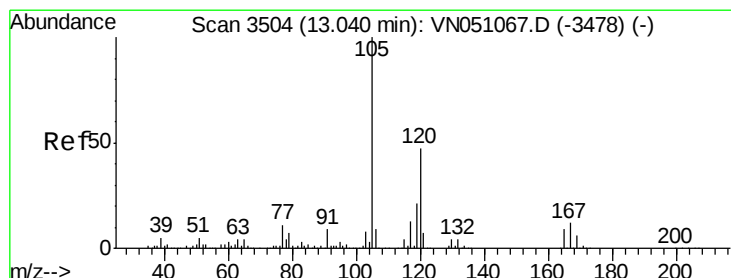
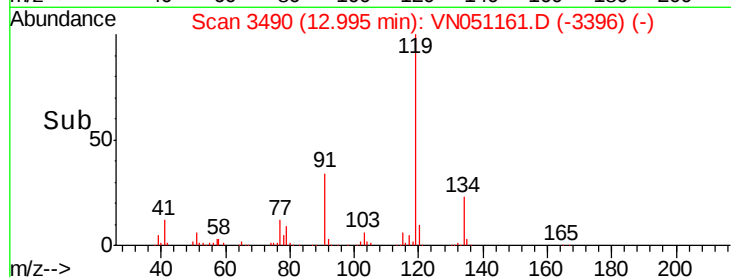
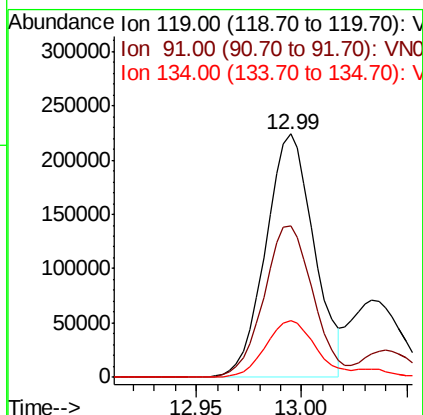
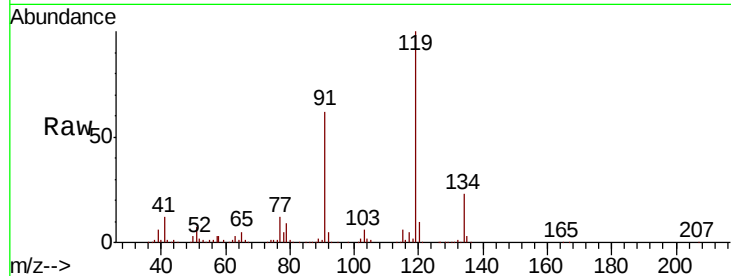
#83
tert-Butylbenzene
Concen: 17.45 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	356775		
91	63.8		30.8	92.3
134	24.3		13.2	39.6

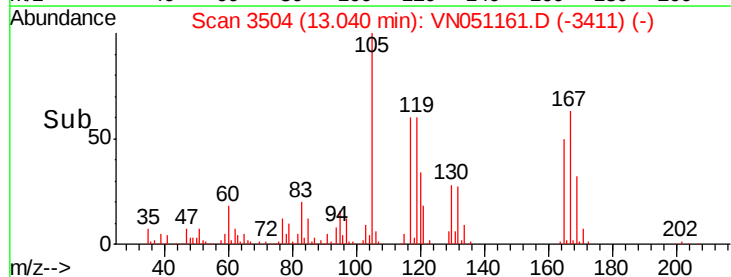
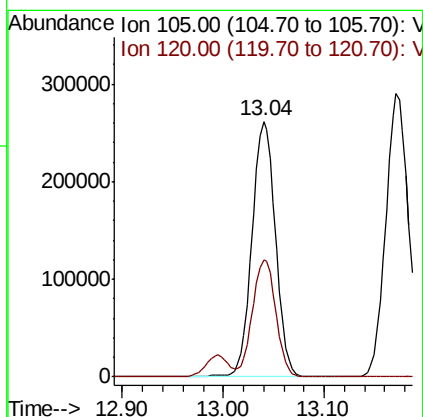
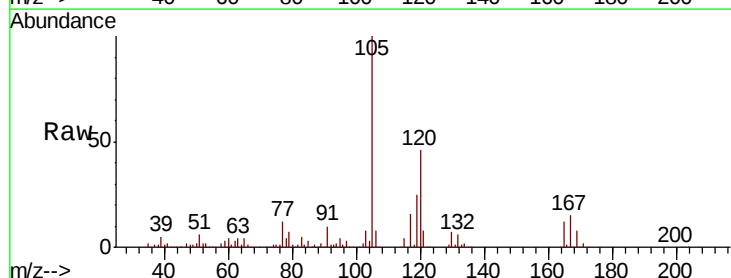
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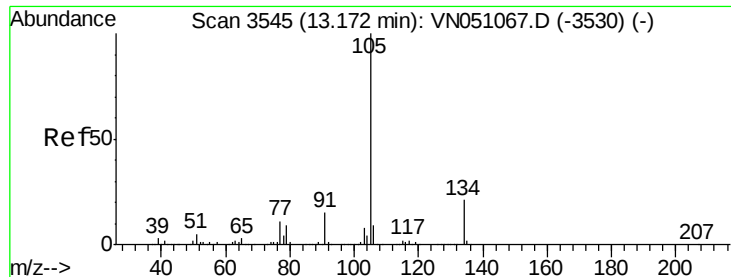
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#84
1,2,4-Trimethylbenzene
Concen: 18.37 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	418378		
120	45.9		23.3	69.8





#85

sec-Butylbenzene

Concen: 17.52 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS01

Tot Ion:105 Resp: 459520

Ion Ratio Lower Upper

105 100

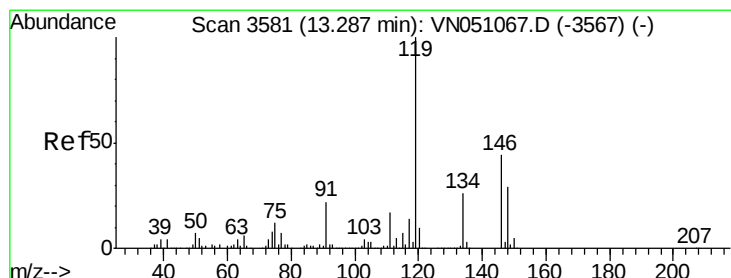
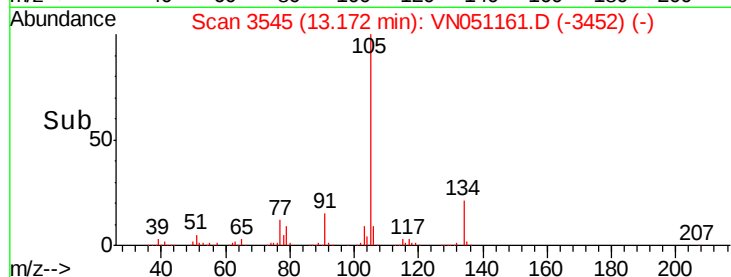
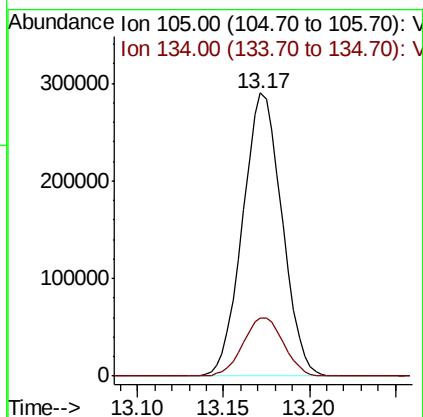
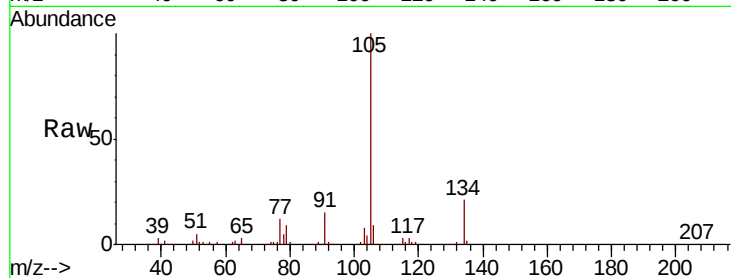
134 21.2 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.51 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

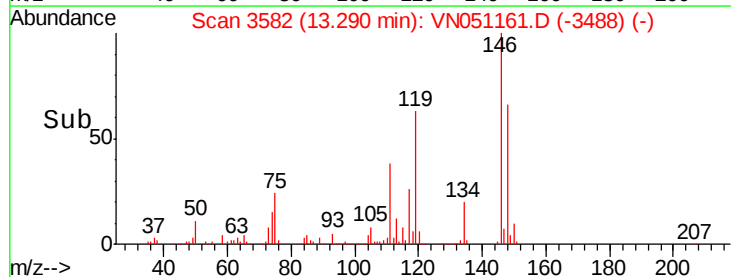
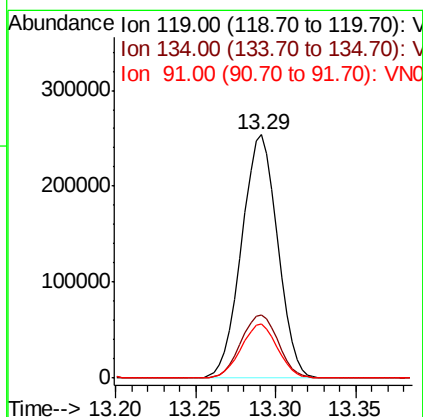
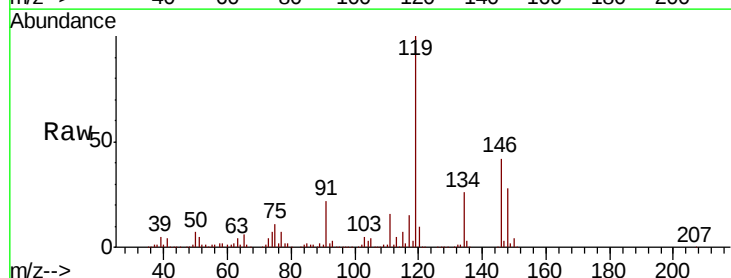
Tgt Ion:119 Resp: 389272

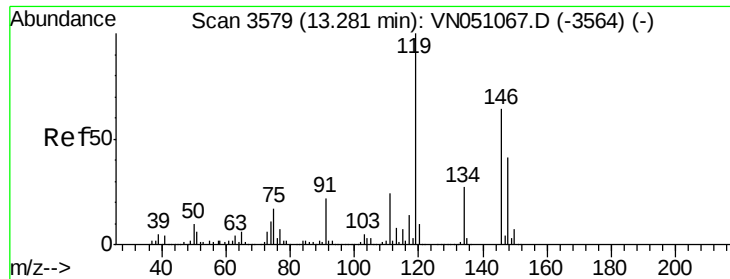
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.3 10.9 32.9





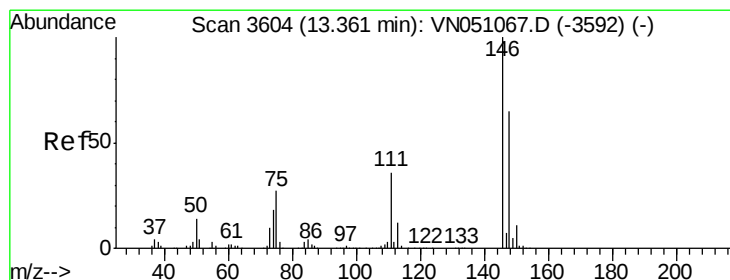
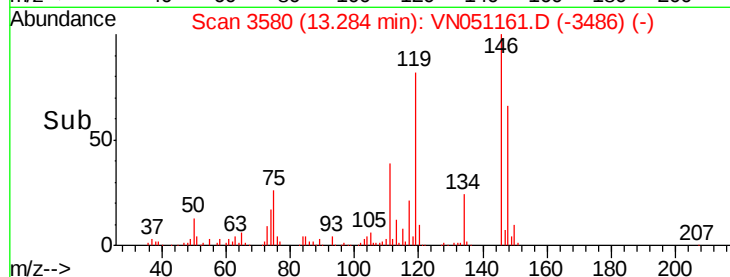
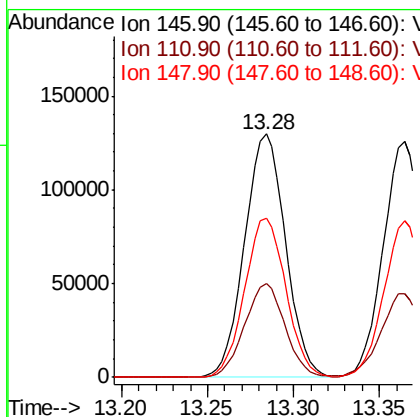
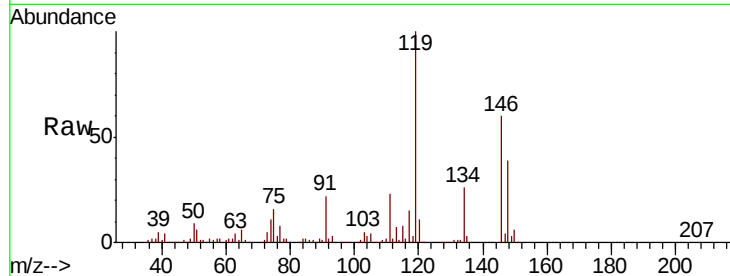
#87
 1,3-Dichlorobenzene
 Concen: 16.42 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	214277		
111	37.9	19.1	57.1	
148	65.8	32.2	96.6	

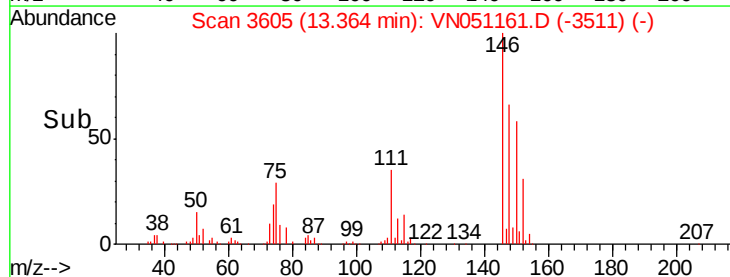
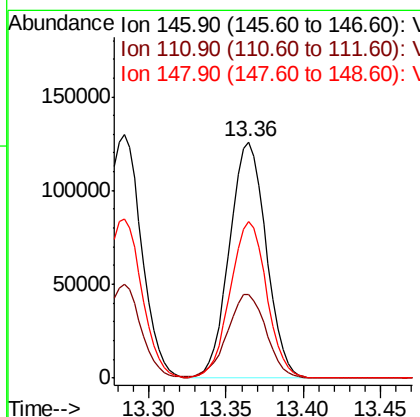
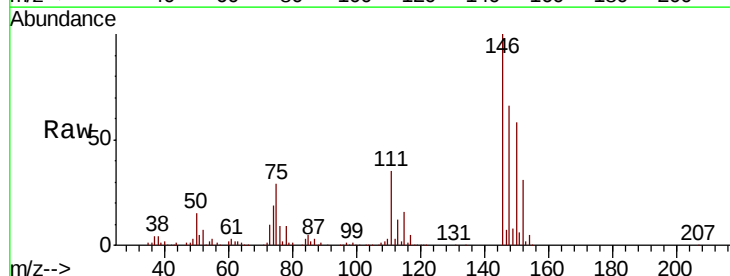
Manual Integrations
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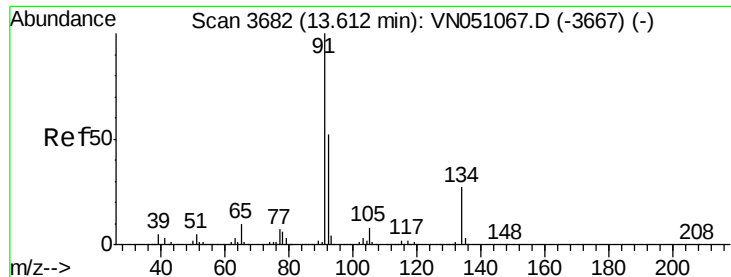
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 9/14/2018 11:47:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.33 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207582		
111	37.6	18.4	55.0	
148	65.9	32.2	96.6	





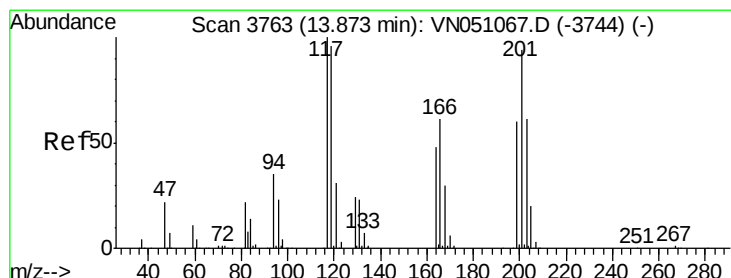
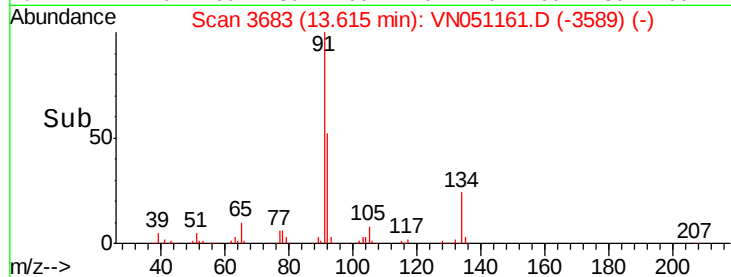
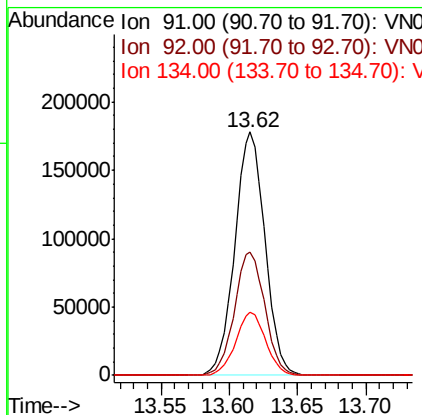
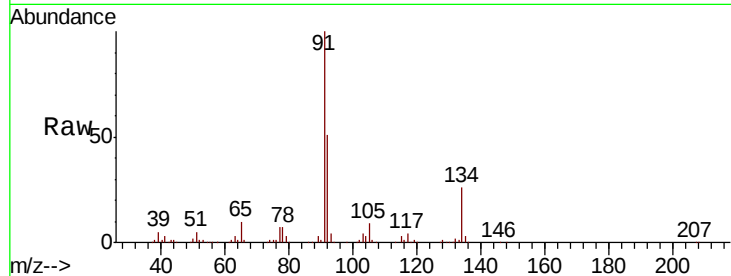
#89
n-Butylbenzene
Concen: 15.76 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.2	78.6
134	25.6	13.7	41.1

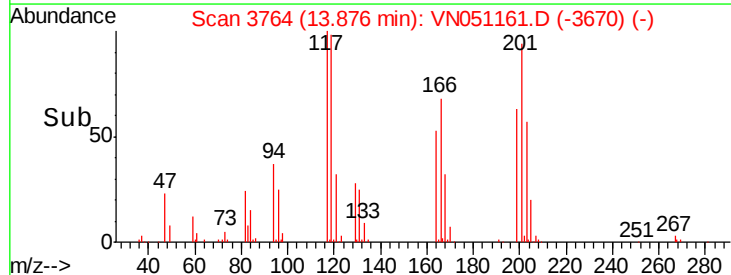
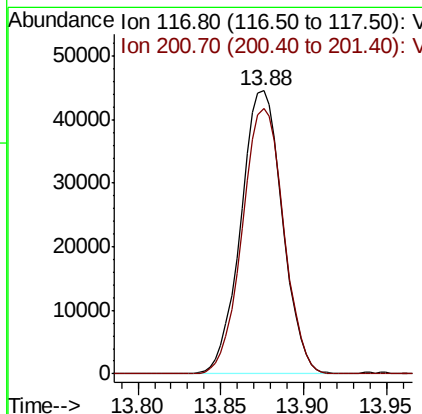
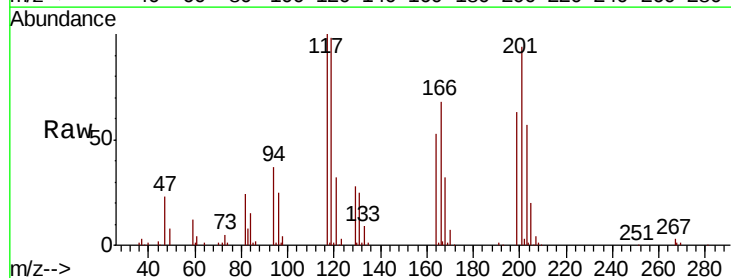
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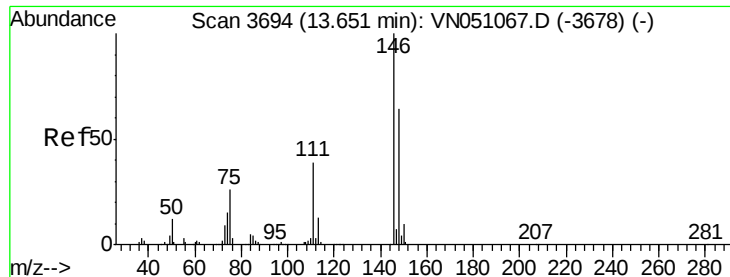
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#90
Hexachloroethane
Concen: 18.81 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	47.3	142.0





#91

1,2-Dichlorobenzene

Concen: 16.89 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051161.D

Acq: 13 Sep 2018 10:38

Instrument :

MSVOA_N

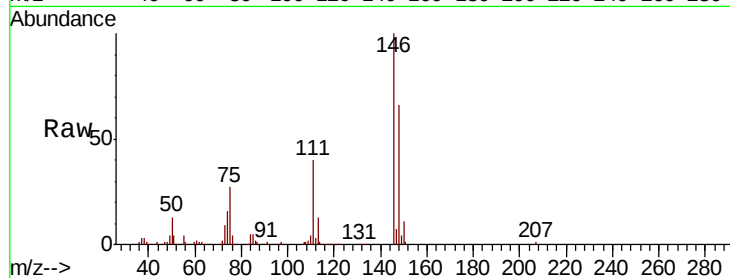
ClientSampleId :

VN0913WBS01

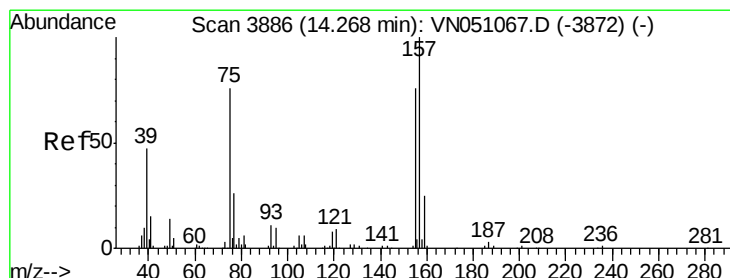
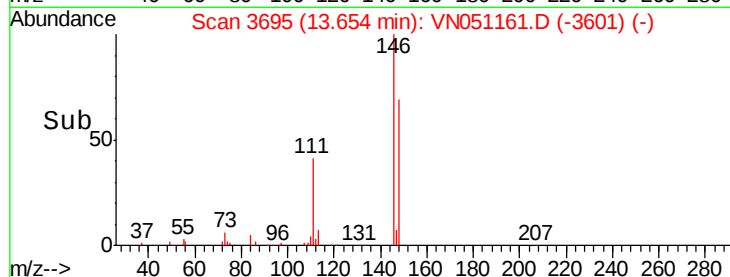
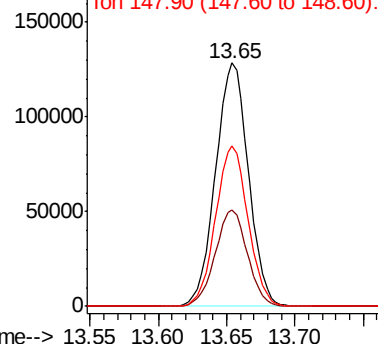
Tot Ion:	146	Resp:	214891
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.0
148	64.9	32.1	96.3

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.45 ug/l

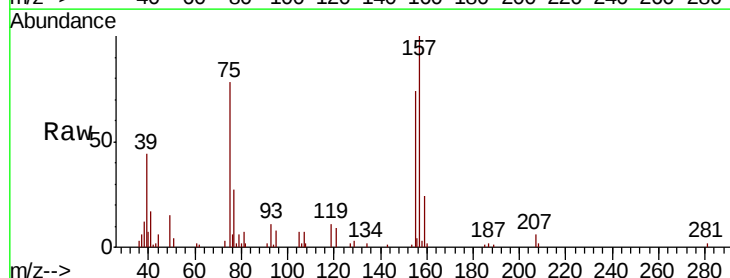
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

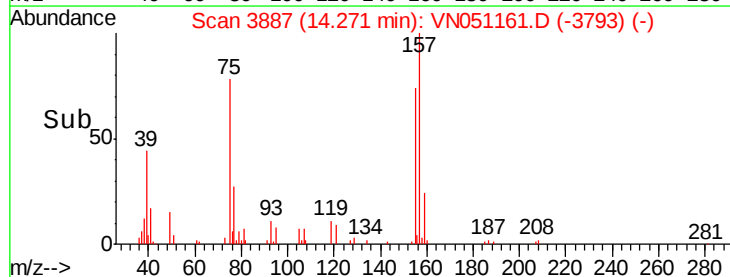
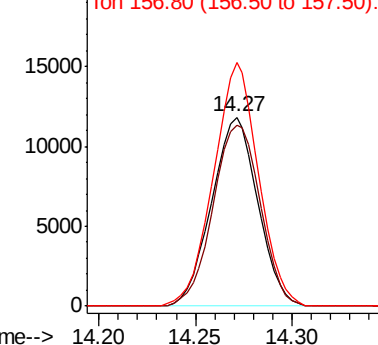
Lab File: VN051161.D

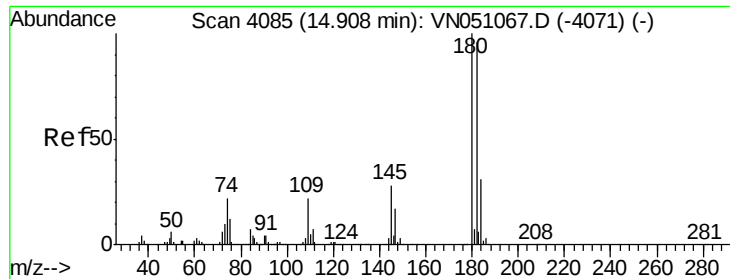
Acq: 13 Sep 2018 10:38

Tgt Ion:	75	Resp:	19624
Ion Ratio	Lower	Upper	
75	100		
155	98.1	48.7	146.1
157	125.5	63.6	190.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





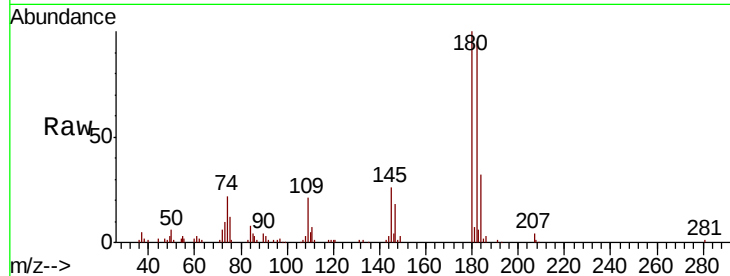
#93
 1,2,4-Trichlorobenzene
 Concen: 15.32 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	27.3	14.2	42.6

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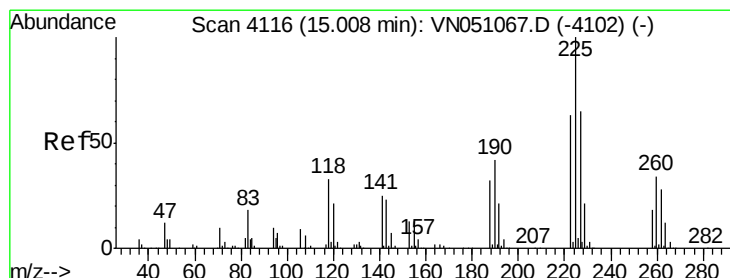
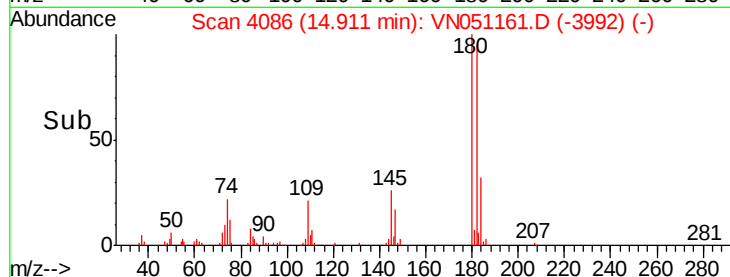
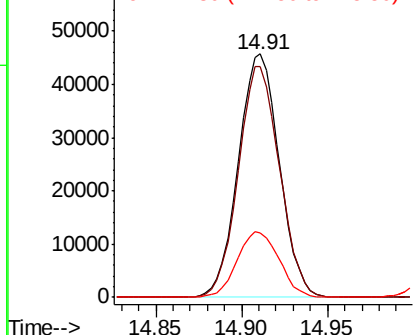


Abundance

Ion 179.80 (179.50 to 180.50): V

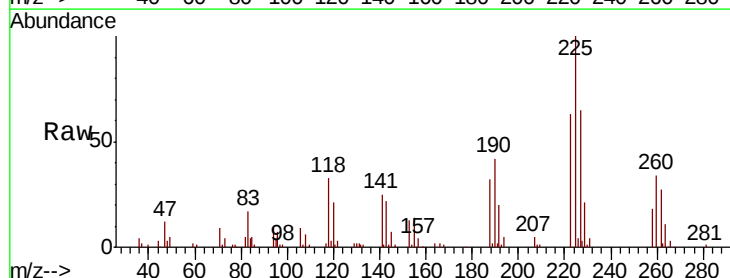
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.05 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051161.D
 Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.4	94.0
227	65.3	32.1	96.3

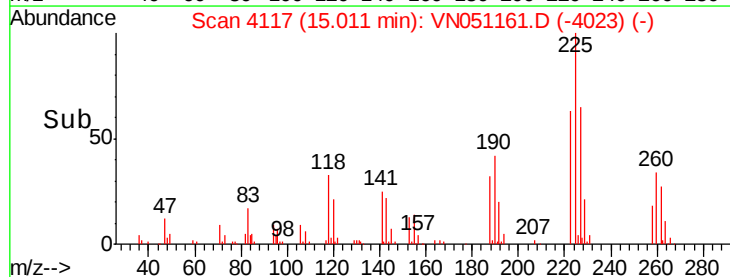
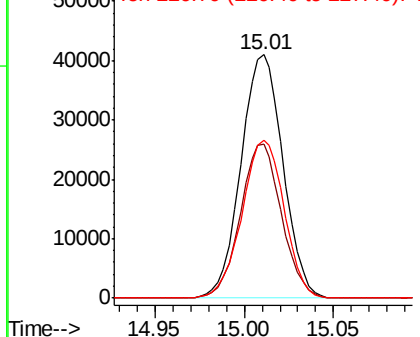


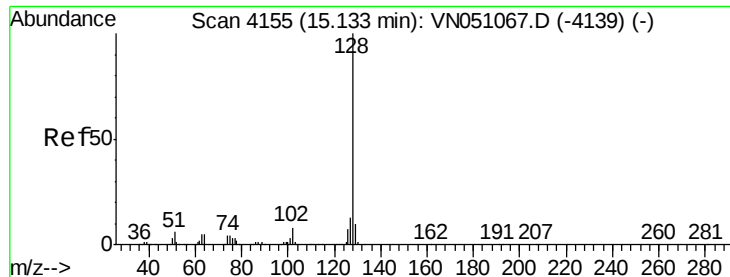
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





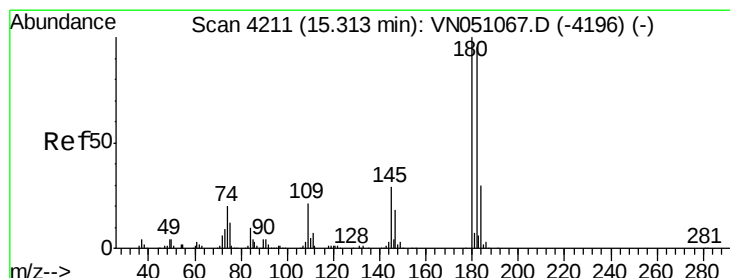
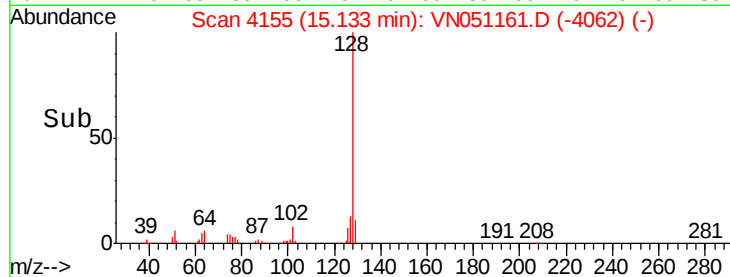
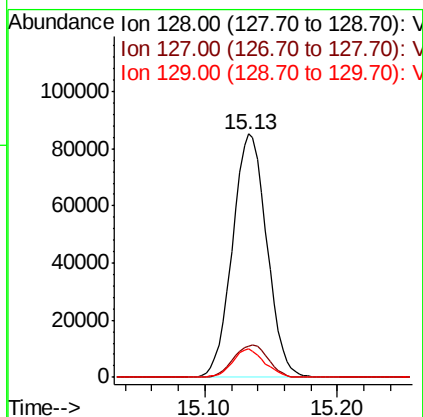
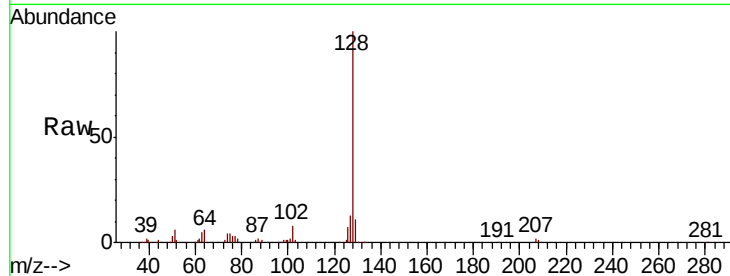
#95
Naphthalene
Concen: 15.99 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.7	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 16.11 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051161.D
Acq: 13 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	29.4	14.6	43.8

