

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051083.D
 Acq On : 10 Sep 2018 17:23
 Operator : MD\SY
 Sample : VN0910WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:04 AM

Quant Time: Sep 11 04:11:13 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	651429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	939897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	844669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	369257	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.59	113	359361	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.09	98	1343711	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	429959	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116298	18.51	ug/l	100
3) Chloromethane	2.06	50	158435	19.20	ug/l	99
4) Vinyl Chloride	2.18	62	161532	18.73	ug/l	99
5) Bromomethane	2.56	94	93220	18.54	ug/l	99
6) Chloroethane	2.70	64	96796	18.19	ug/l	99
7) Trichlorofluoromethane	3.01	101	220131	19.27	ug/l	97
8) Diethyl Ether	3.41	74	81189	19.32	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	138425	18.79	ug/l	99
10) Methyl Iodide	3.95	142	113965	20.31	ug/l	100
11) Tert butyl alcohol	4.79	59	53457	96.54	ug/l	98
12) 1,1-Dichloroethene	3.73	96	129523	18.64	ug/l	99
13) Acrolein	3.61	56	68610	115.94	ug/l	97
14) Allyl chloride	4.32	41	197815	18.68	ug/l	100
15) Acrylonitrile	5.00	53	237882	96.95	ug/l	99
16) Acetone	3.82	43	163608	87.48	ug/l	100
17) Carbon Disulfide	4.05	76	384271	18.83	ug/l	99
18) Methyl Acetate	4.33	43	111150	19.15	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	360570	19.63	ug/l	100
20) Methylene Chloride	4.55	84	148730	18.57	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	138277	18.35	ug/l	98
22) Diisopropyl ether	5.95	45	425420	20.24	ug/l	98
23) Vinyl Acetate	5.90	43	1407367	98.96	ug/l	99
24) 1,1-Dichloroethane	5.85	63	258507	19.39	ug/l	100
25) 2-Butanone	6.84	43	261573	91.77	ug/l	100
26) 2,2-Dichloropropane	6.82	77	189940	17.40	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	155968	18.86	ug/l	100
28) Bromochloromethane	7.20	49	111427	18.78	ug/l	100
29) Tetrahydrofuran	7.22	42	180244	101.27	ug/l	100
30) Chloroform	7.37	83	258758	19.51	ug/l	99
31) Cyclohexane	7.66	56	230269	19.23	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	219832	19.45	ug/l	99
36) 1,1-Dichloropropene	7.79	75	195604	18.96	ug/l	99
37) Ethyl Acetate	6.93	43	121661	20.36	ug/l	98
38) Carbon Tetrachloride	7.77	117	192098	18.91	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210186	18.46	ug/l	98
40) Benzene	8.04	78	602288	19.37	ug/l	98
41) Methacrylonitrile	7.18	41	63432	20.57	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	176793	19.51	ug/l	100
43) Isopropyl Acetate	8.17	43	208180	19.74	ug/l #	89
44) Trichloroethene	8.84	130	160770	18.90	ug/l	100
45) 1,2-Dichloropropane	9.12	63	156676	19.50	ug/l	99
46) Dibromomethane	9.21	93	93261	19.02	ug/l	99
47) Bromodichloromethane	9.40	83	191874	19.25	ug/l	100
48) Methyl methacrylate	9.20	41	102574	19.96	ug/l	97
49) 1,4-Dioxane	9.20	88	32342	401.33	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	597244	102.41	ug/l	100
52) Toluene	10.16	92	372305	19.64	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	185572	18.60	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	219848	18.79	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	135634	19.69	ug/l	97
56) Ethyl methacrylate	10.43	69	162595	19.18	ug/l	99
57) 1,3-Dichloropropane	10.71	76	222579	19.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	338972	97.15	ug/l	99
59) 2-Hexanone	10.75	43	376832	95.28	ug/l	99
60) Dibromochloromethane	10.90	129	149086	19.20	ug/l	99
61) 1,2-Dibromoethane	11.01	107	130349	19.36	ug/l	100
64) Tetrachloroethene	10.63	164	145995	18.94	ug/l	99
65) Chlorobenzene	11.43	112	404287	18.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147458	19.24	ug/l	99
67) Ethyl Benzene	11.51	91	653554	18.95	ug/l	99
68) m/p-Xylenes	11.62	106	520790	39.31	ug/l	100
69) o-Xylene	11.95	106	245753	19.16	ug/l	97
70) Styrene	11.96	104	389842	19.59	ug/l	99
71) Bromoform	12.13	173	104767	19.41	ug/l #	99
73) Isopropylbenzene	12.25	105	655961	19.61	ug/l	100
74) N-amyl acetate	12.07	43	160655	19.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	171819	21.48	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133051m	20.64	ug/l	
77) Bromobenzene	12.53	156	170635	18.99	ug/l	99
78) n-propylbenzene	12.59	91	716729	19.49	ug/l	99
79) 2-Chlorotoluene	12.67	91	440409	19.16	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	535749	19.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40705	19.38	ug/l	99
82) 4-Chlorotoluene	12.77	91	430749	18.88	ug/l	99
83) tert-Butylbenzene	12.99	119	457430	19.16	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	533528	20.06	ug/l	100
85) sec-Butylbenzene	13.17	105	600289	19.61	ug/l	99
86) p-Isopropyltoluene	13.29	119	512909	19.76	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	282207	18.51	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271794	19.43	ug/l	99
89) n-Butylbenzene	13.62	91	362333	17.93	ug/l	100
90) Hexachloroethane	13.87	117	94671	19.65	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	279586	18.82	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23612	21.05	ug/l	96

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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	105754	17.54	ug/l	99
94) Hexachlorobutadiene	15.01	225	89209	19.54	ug/l	98
95) Naphthalene	15.13	128	212455	17.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	114097	18.61	ug/l	99

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

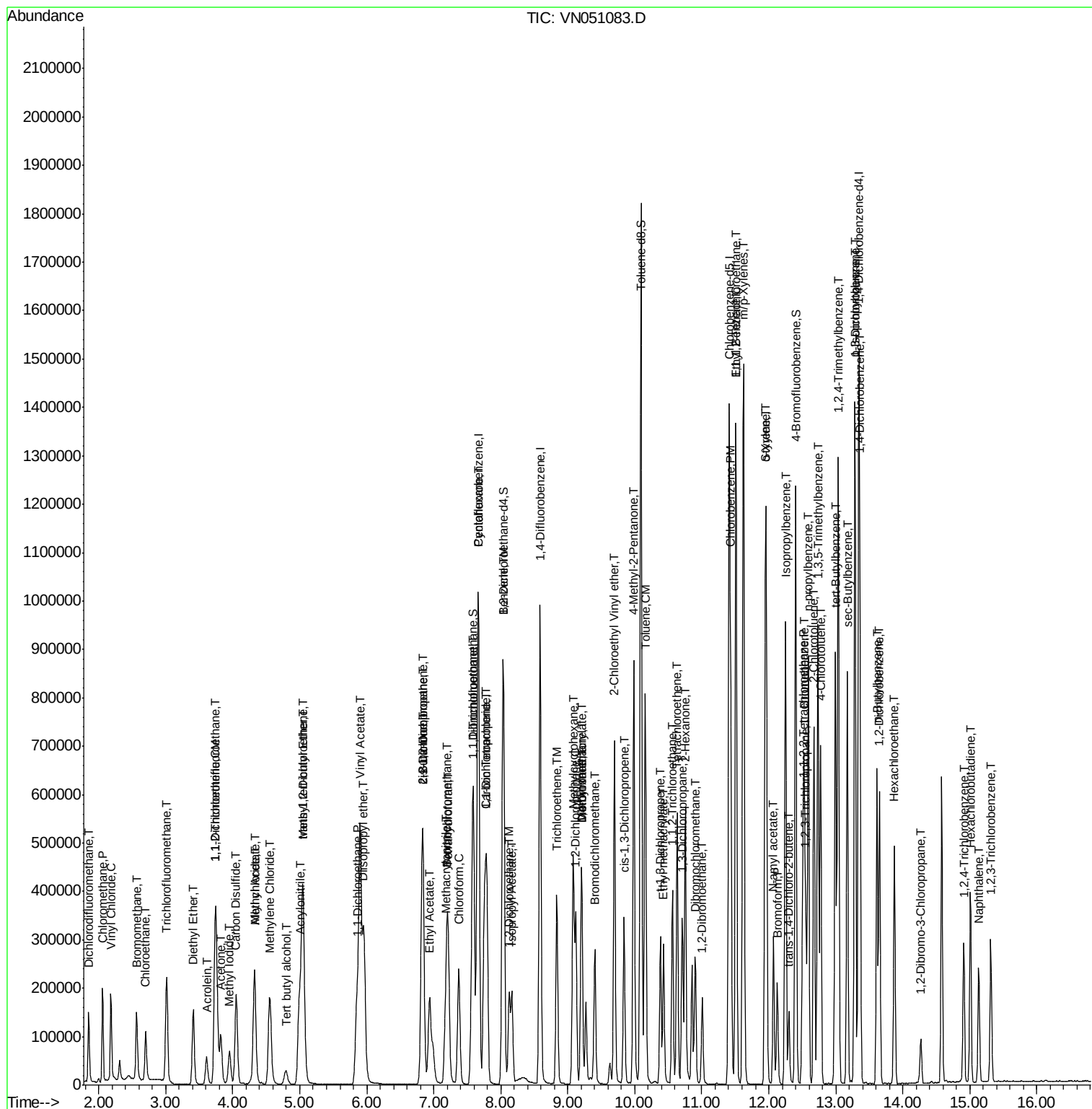
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
Data File : VN051083.D
Acq On : 10 Sep 2018 17:23
Operator : MD\SY
Sample : VN0910WBSD01
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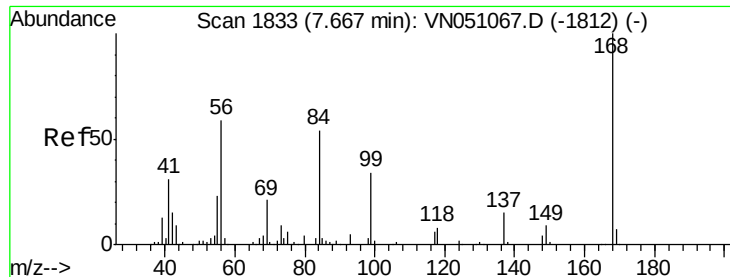
Instrument :
MSVOA_N
Client Sample Id :
VN0910WBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion:168 Resp: 651429

Ion Ratio Lower Upper

168 100

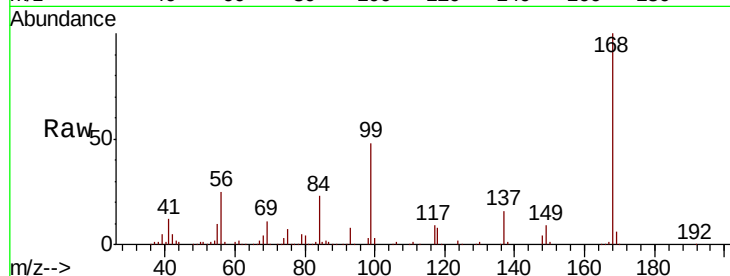
99 48.1 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

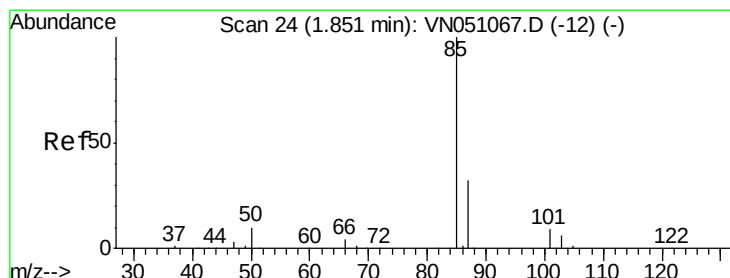
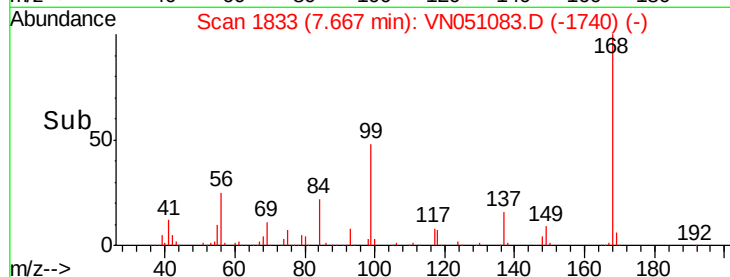
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.51 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051083.D

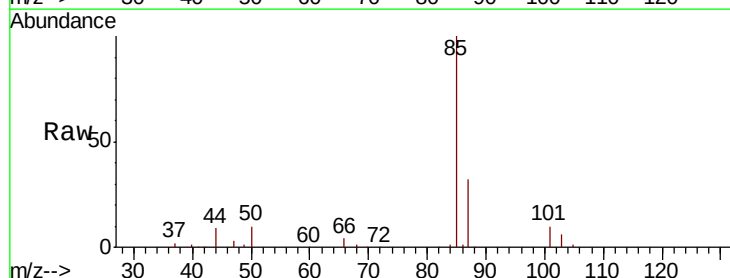
Acq: 10 Sep 2018 17:23

Tgt Ion: 85 Resp: 116298

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

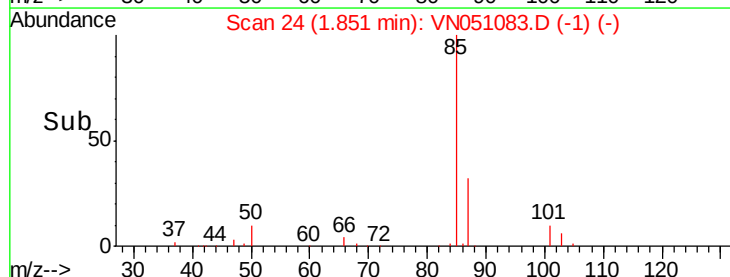
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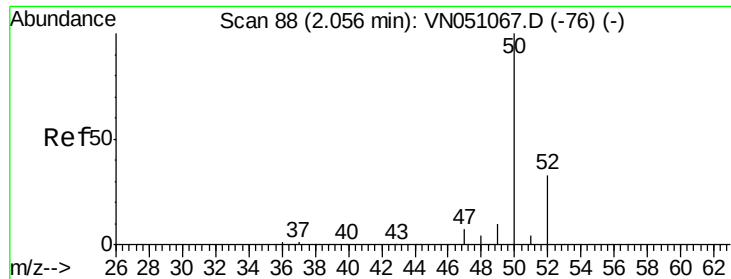
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.20 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 50 Resp: 158435

Ion Ratio Lower Upper

50 100

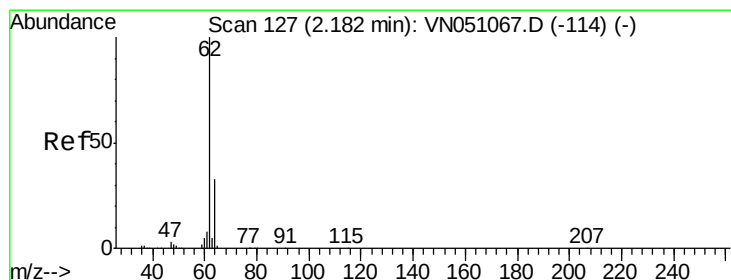
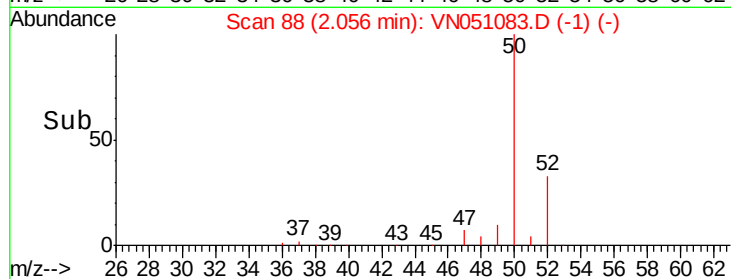
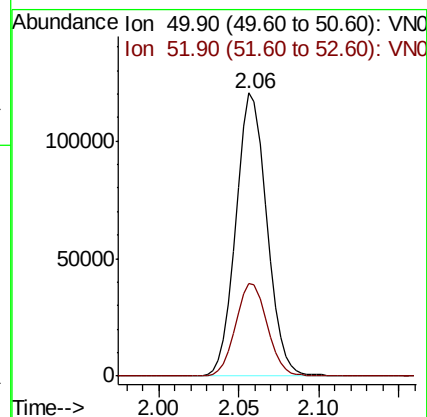
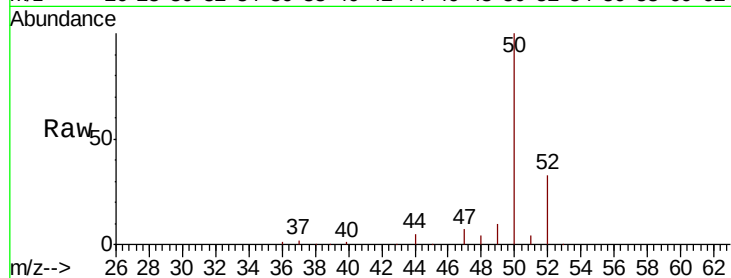
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.73 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051083.D

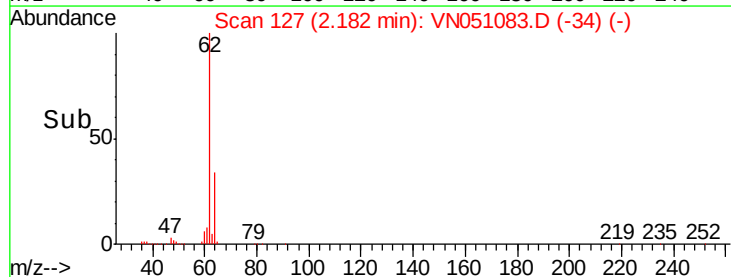
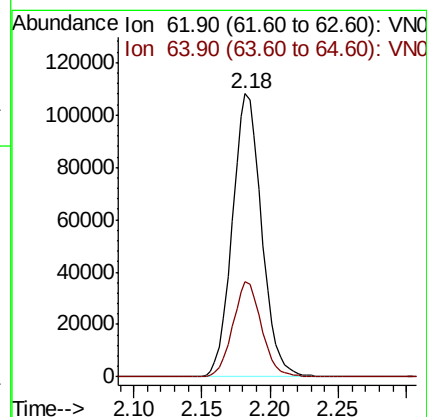
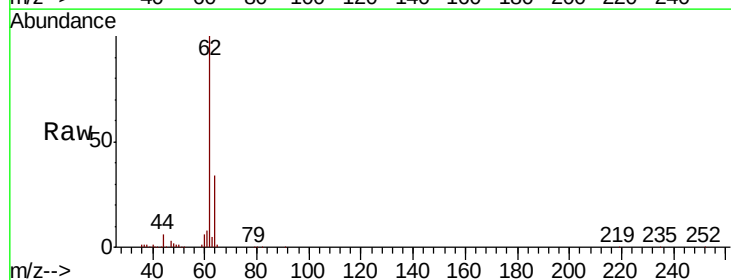
Acq: 10 Sep 2018 17:23

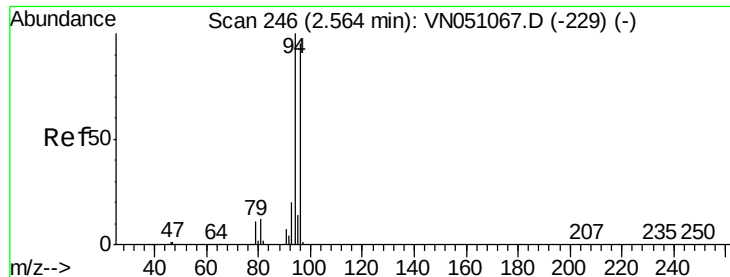
Tgt Ion: 62 Resp: 161532

Ion Ratio Lower Upper

62 100

64 33.6 26.2 39.4





#5

Bromomethane

Concen: 18.54 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 94 Resp: 93220

Ion Ratio Lower Upper

94 100

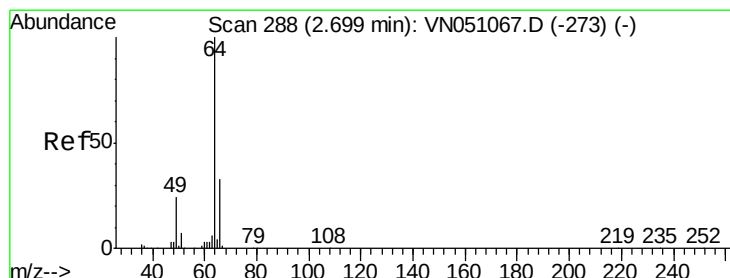
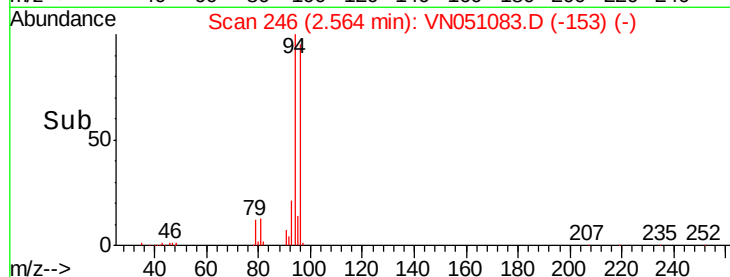
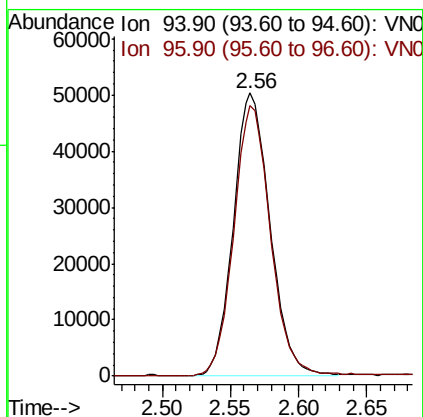
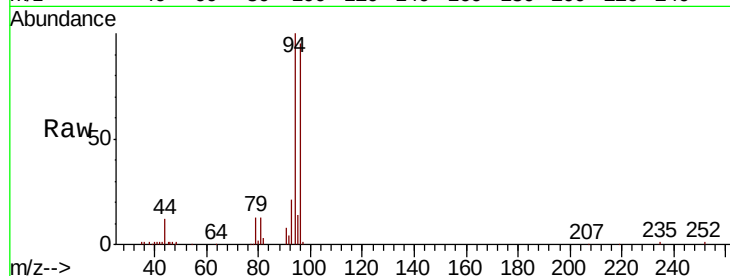
96 95.8 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 18.19 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051083.D

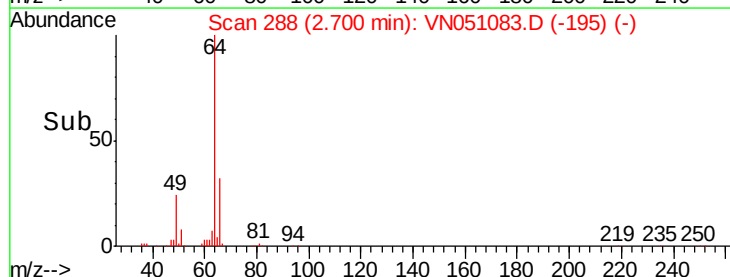
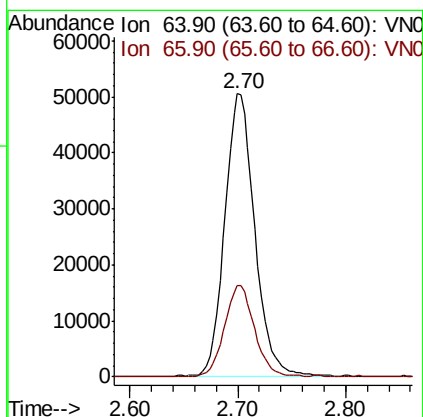
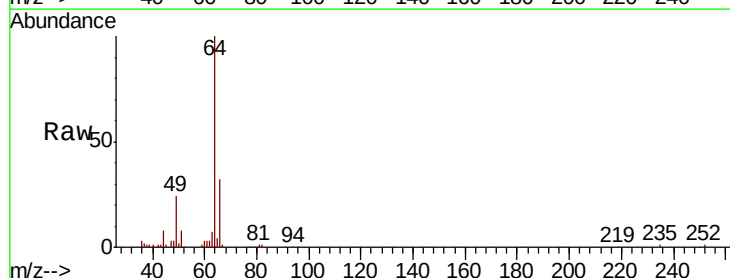
Acq: 10 Sep 2018 17:23

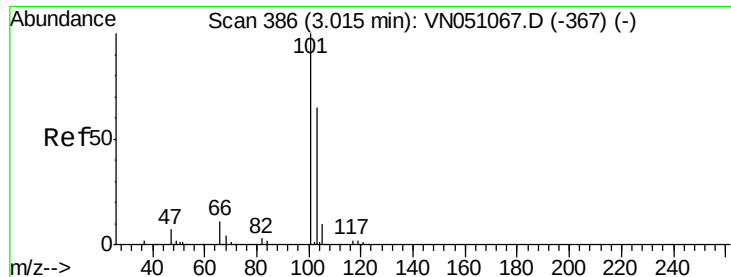
Tgt Ion: 64 Resp: 96796

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1





#7

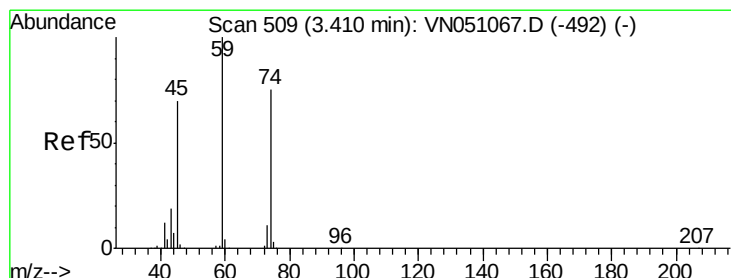
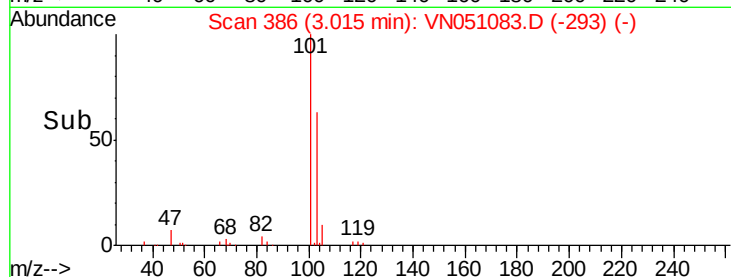
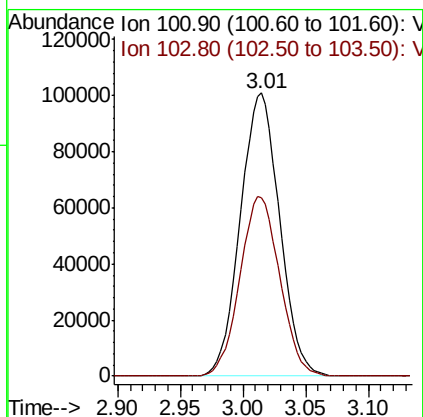
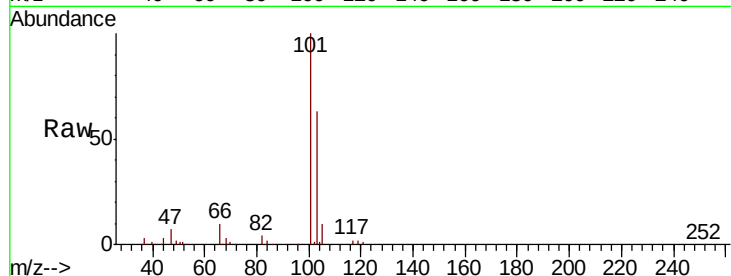
Trichlorofluoromethane
 Concen: 19.27 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.4	78.6

Manual Integrations
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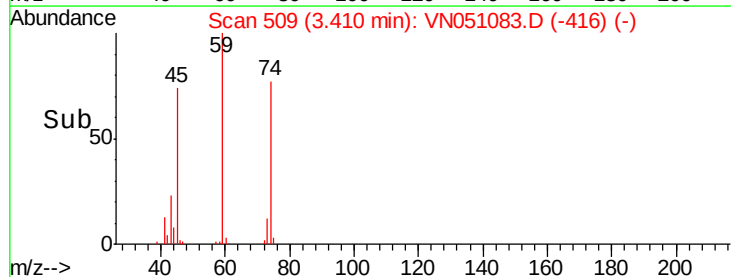
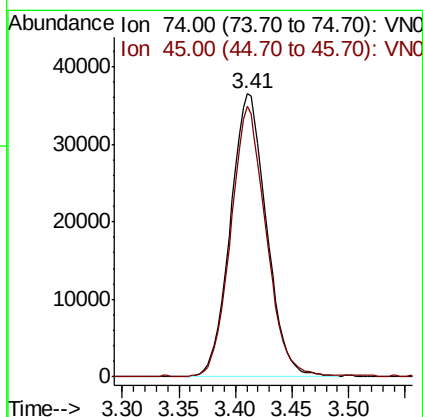
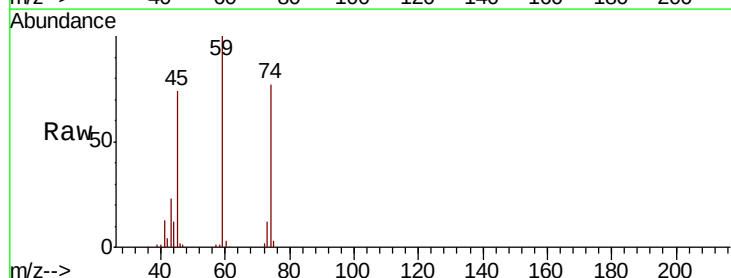
MMDadoda
 9/11/2018 9:41:04 AM

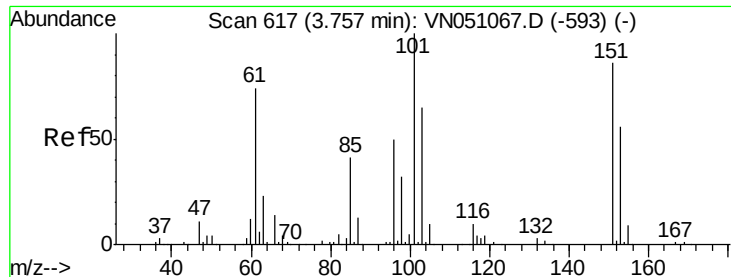


#8

Diethyl Ether
 Concen: 19.32 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.79 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

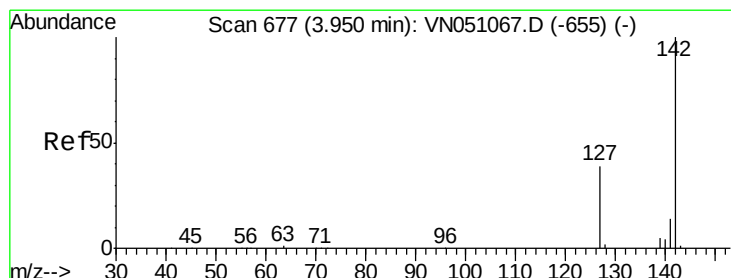
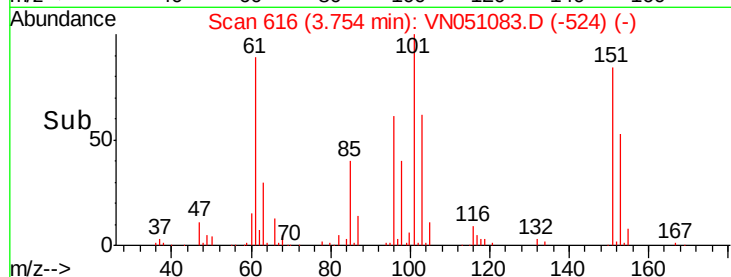
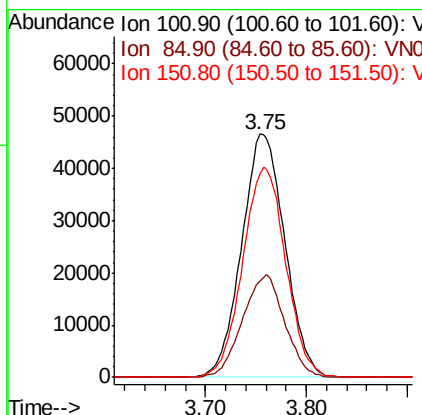
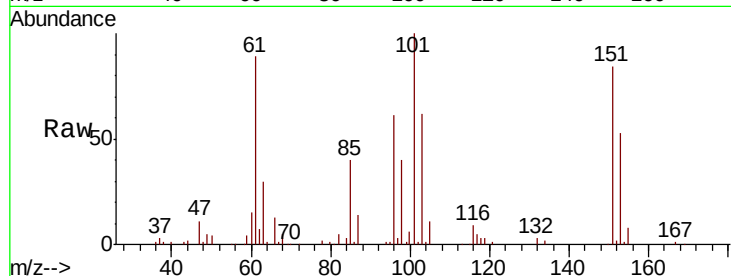
ClientSampleId :

VN0910WBSD01

Tot Ion:	101	Resp:	138425
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.3	49.9
151	85.9	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.31 ug/l

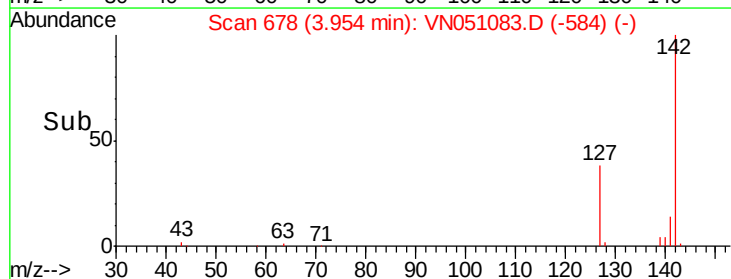
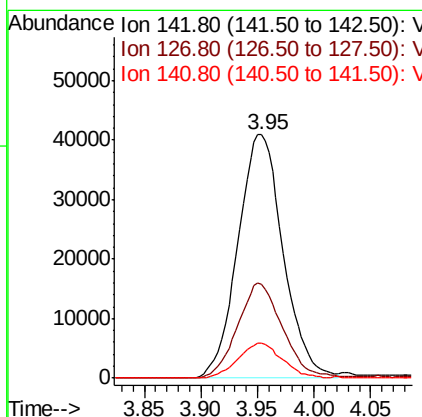
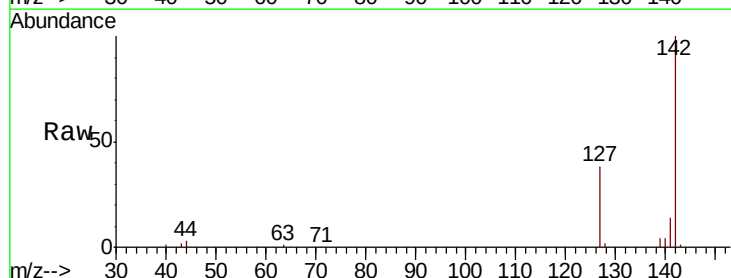
RT: 3.95 min Scan# 678

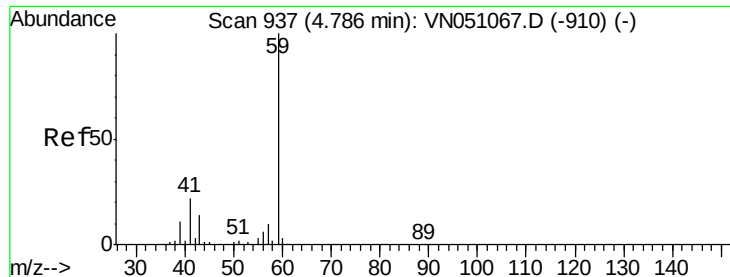
Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Tgt Ion:	142	Resp:	113965
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	14.0	11.3	16.9





#11

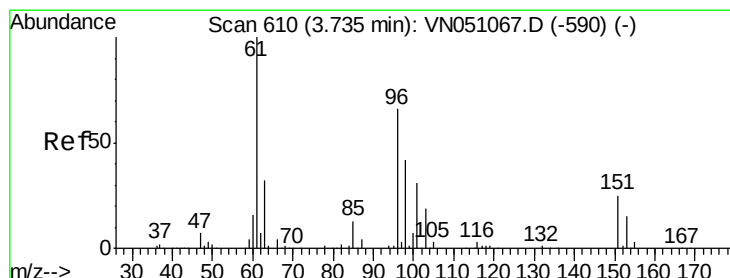
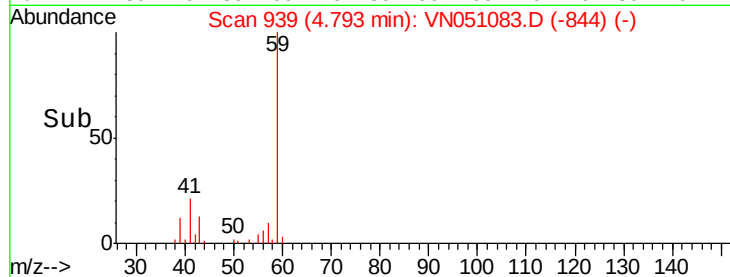
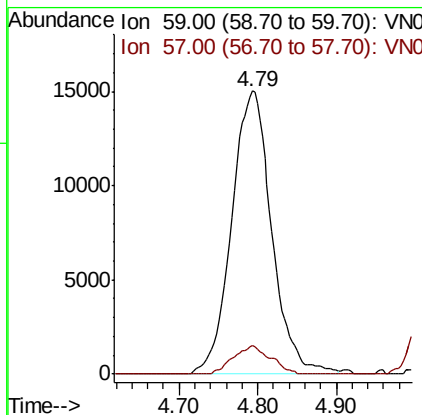
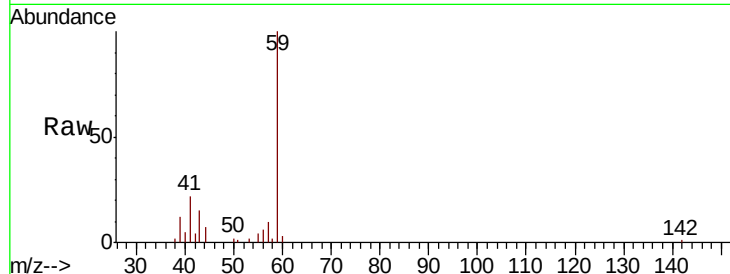
Tert butyl alcohol
 Concen: 96.54 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	59	Resp	53457
Ion Ratio	100	Lower	Upper
57	9.3	8.1	12.1

Manual Integrations
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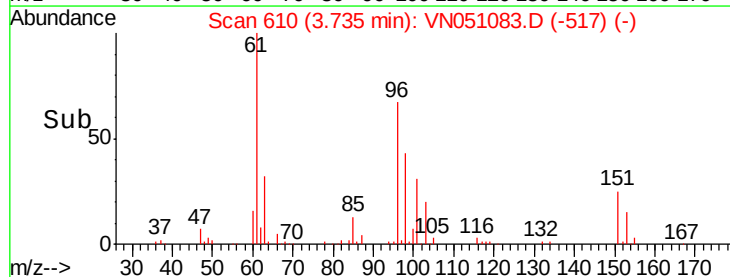
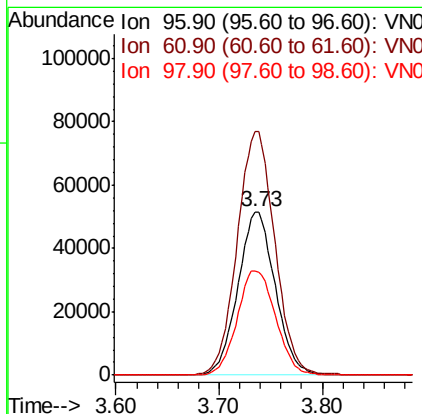
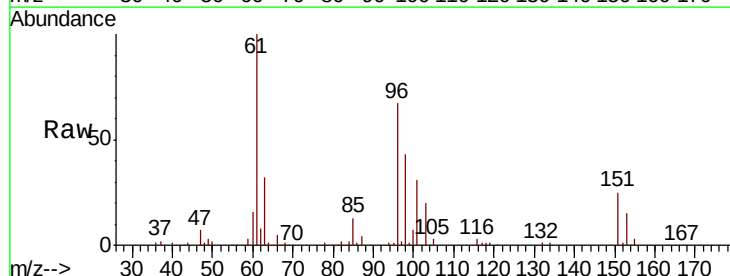
MMDadoda
 9/11/2018 9:41:04 AM

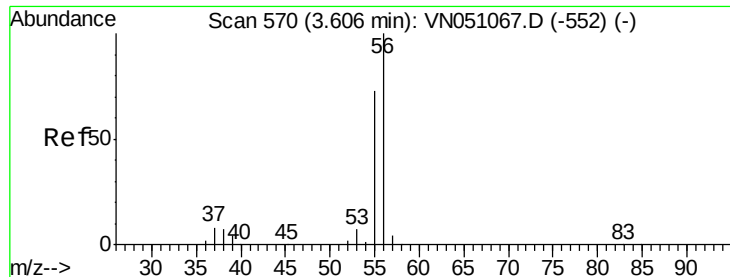


#12

1,1-Dichloroethene
 Concen: 18.64 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	96	Resp	129523
Ion Ratio	100	Lower	Upper
61	148.8	120.3	180.5
98	63.6	50.8	76.2





#13

Acrolein

Concen: 115.94 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 56 Resp: 68610

Ion Ratio Lower Upper

56 100

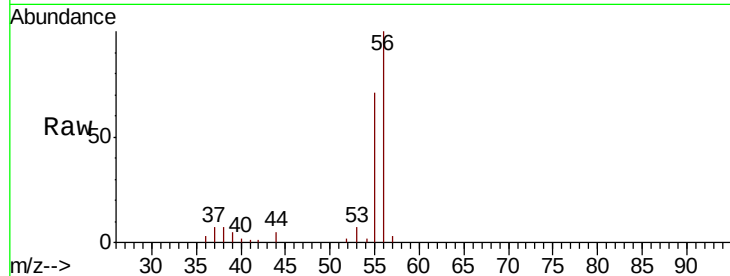
55 69.8 58.0 87.0

Manual Integrations

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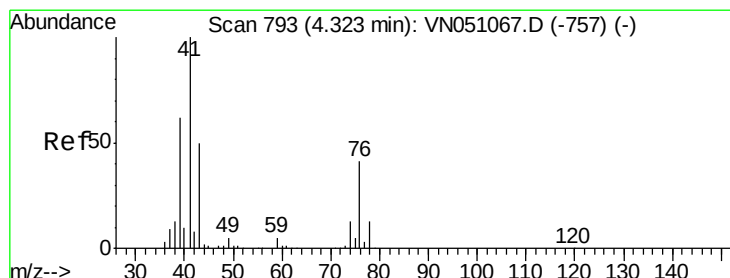
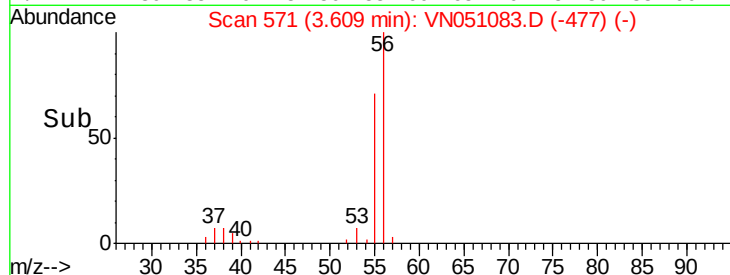
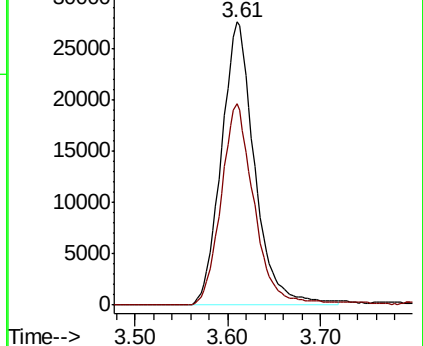
MMDadoda

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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: 18.68 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

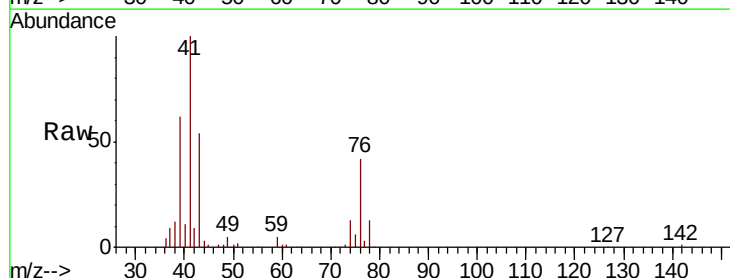
Tgt Ion: 41 Resp: 197815

Ion Ratio Lower Upper

41 100

39 60.8 48.8 73.2

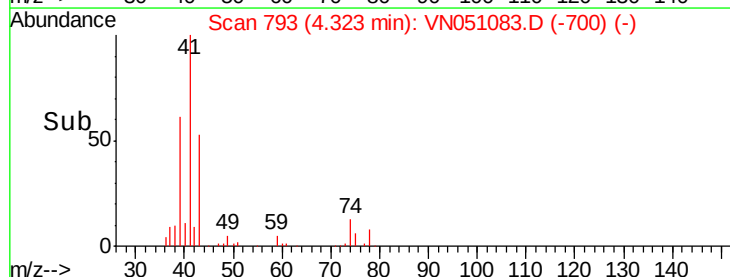
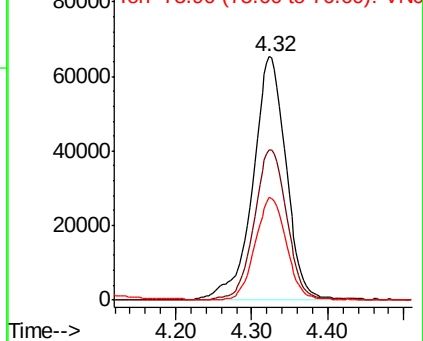
76 38.7 30.6 45.8

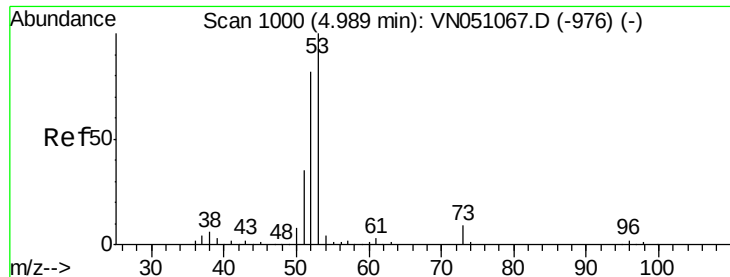


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.95 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

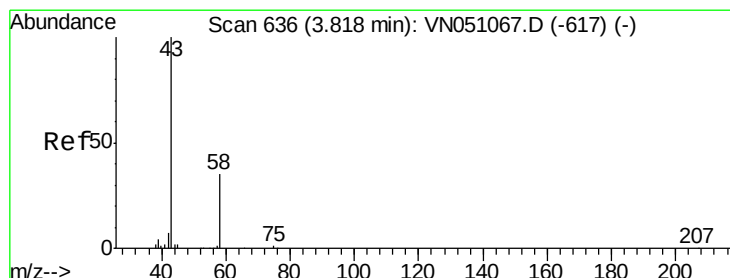
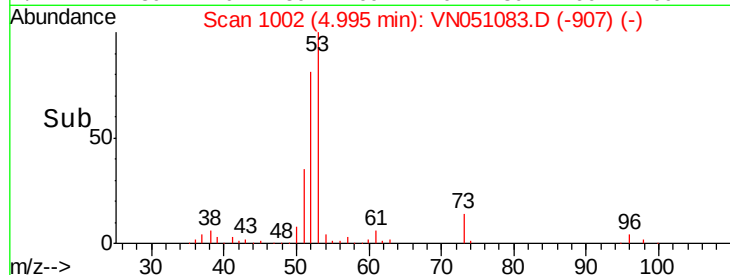
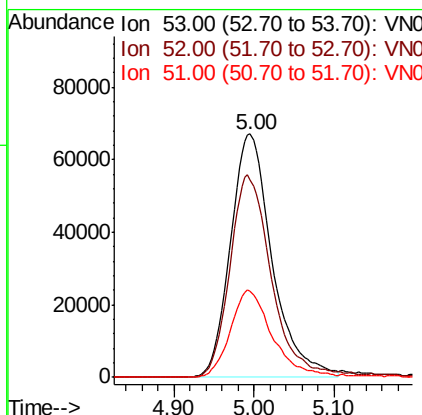
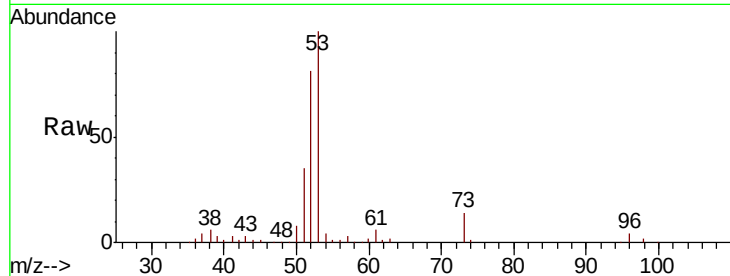
ClientSampleId :

VN0910WBSD01

Tot Ion:	53	Resp:	237882
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.3	97.9
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 87.48 ug/l

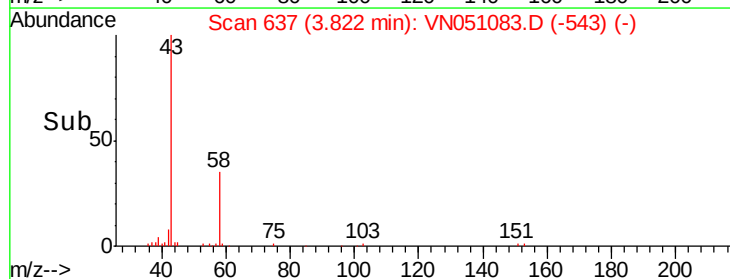
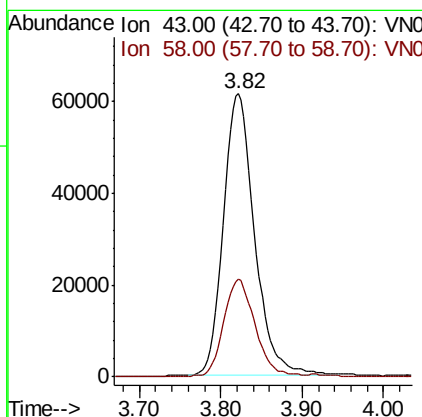
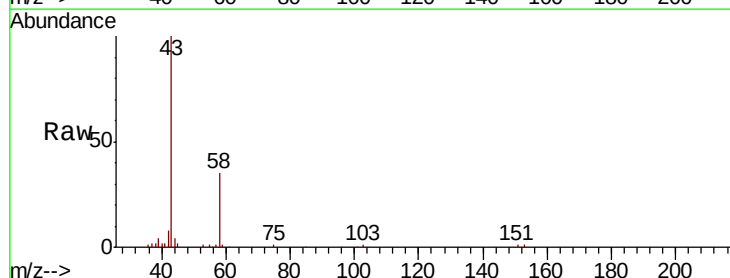
RT: 3.82 min Scan# 637

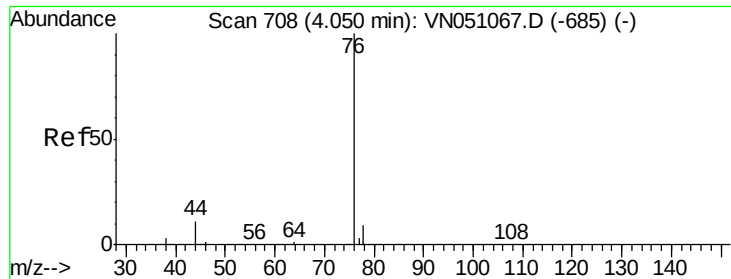
Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Tgt Ion:	43	Resp:	163608
Ion Ratio	Lower	Upper	
43	100		
58	34.9	27.8	41.6





#17

Carbon Disulfide

Concen: 18.83 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 76 Resp: 384271

Ion Ratio Lower Upper

76 100

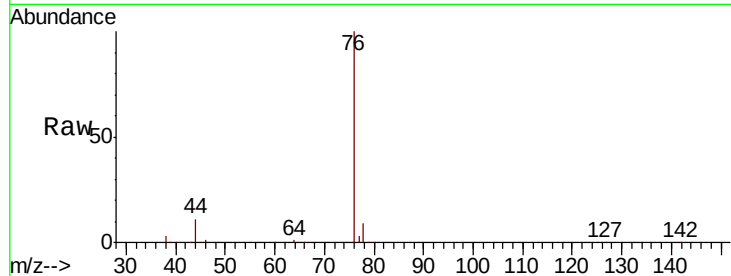
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

150000

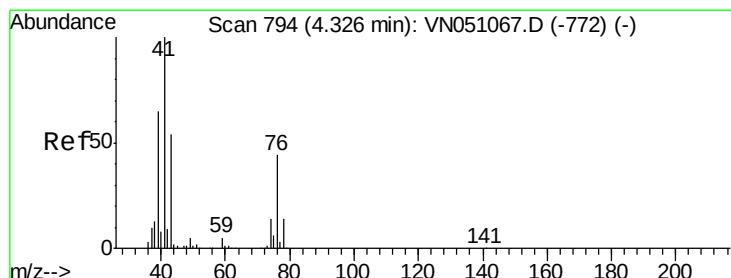
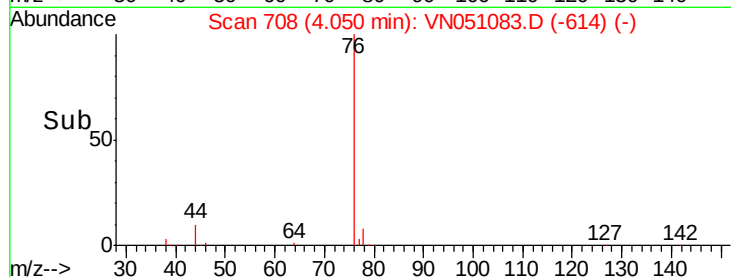
100000

50000

0

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 19.15 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051083.D

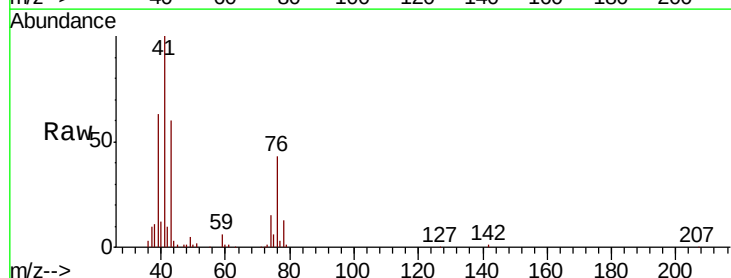
Acq: 10 Sep 2018 17:23

Tgt Ion: 43 Resp: 111150

Ion Ratio Lower Upper

43 100

74 24.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

40000

30000

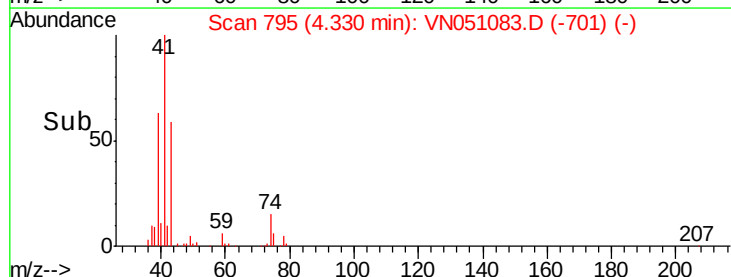
20000

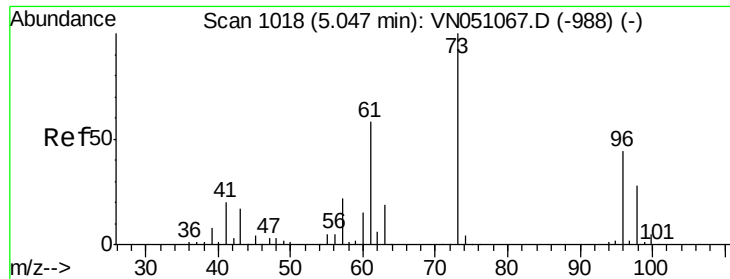
10000

0

4.20 4.30 4.40 4.50

Time-->





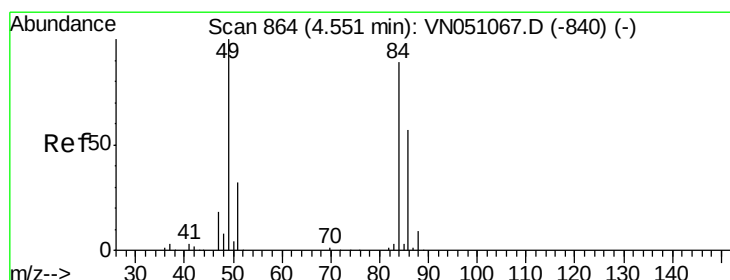
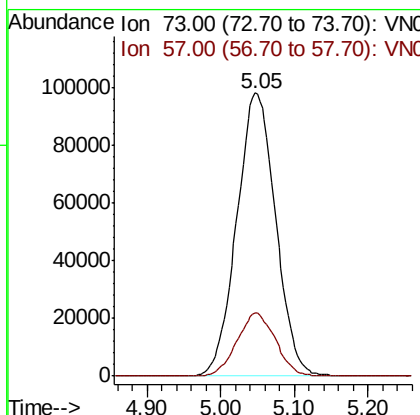
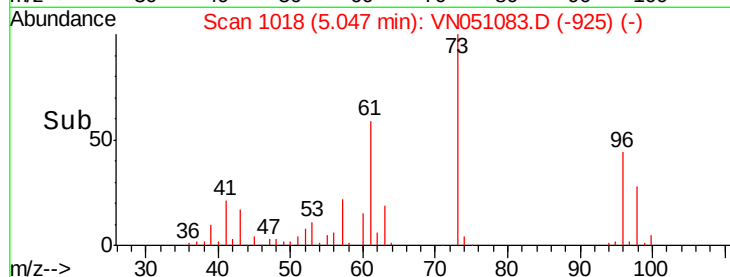
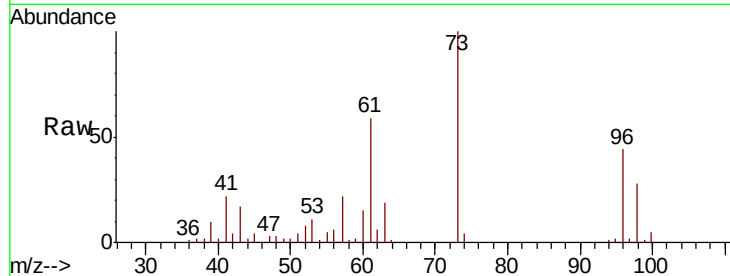
#19
Methvl tert-butvl Ether
Concen: 19.63 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion: 73 Resp: 360570
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

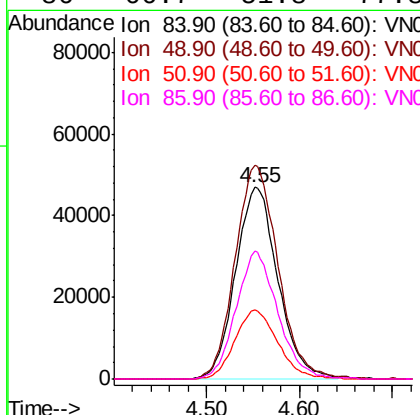
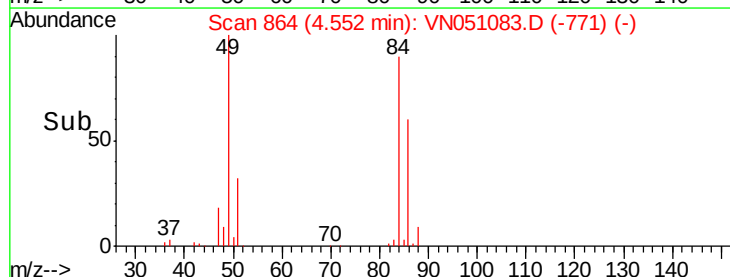
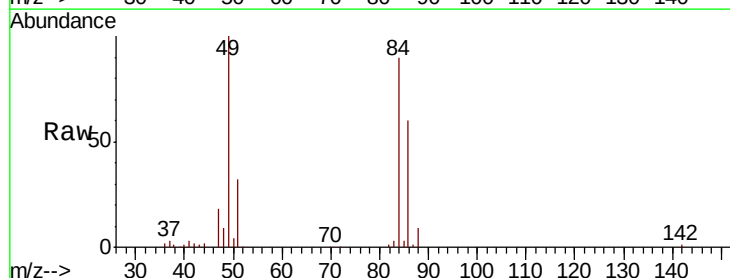
Manual Integrations
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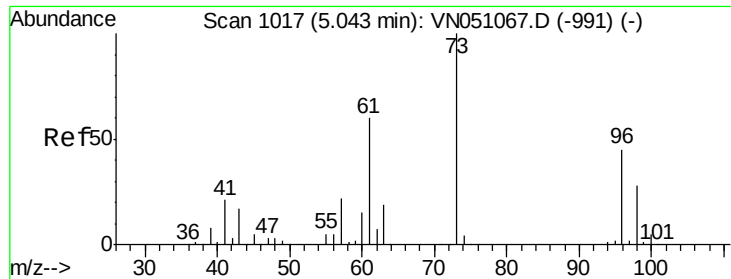
MMDadoda
9/11/2018 9:41:04 AM



#20
Methylene Chloride
Concen: 18.57 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion: 84 Resp: 148730
Ion Ratio Lower Upper
84 100
49 111.6 90.2 135.2
51 35.9 28.4 42.6
86 66.7 51.8 77.8





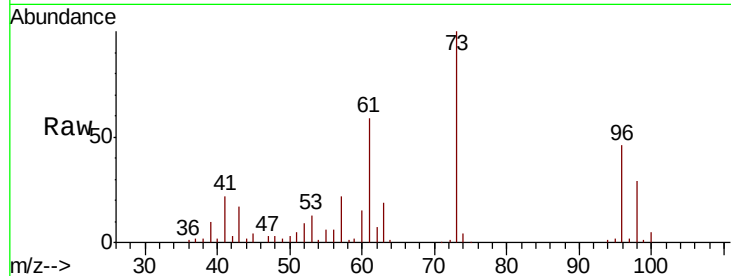
#21
trans-1,2-Dichloroethene
Concen: 18.35 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	106.5	159.7
98	62.8	50.4	75.6

Manual Integrations
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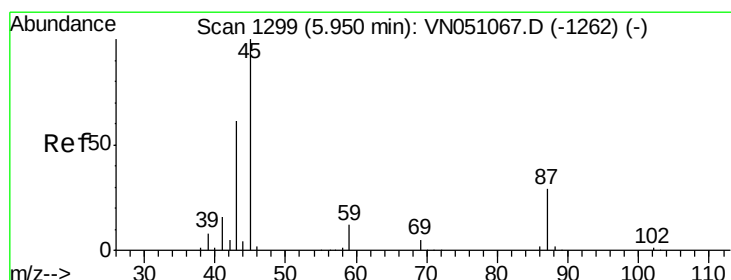
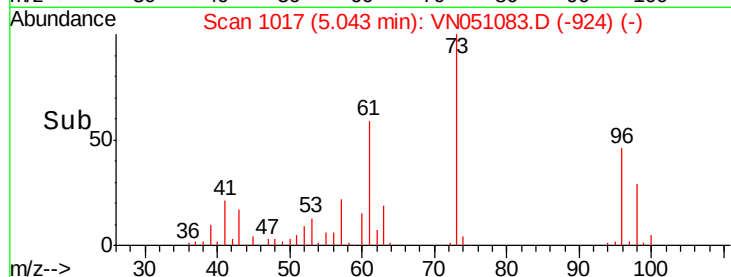
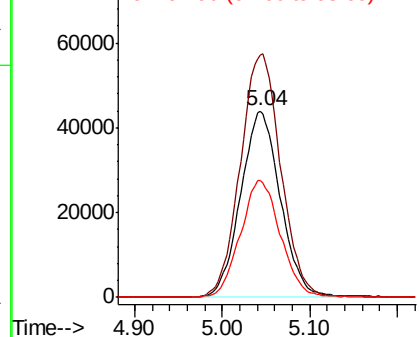


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 20.24 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	48.8	73.2
87	29.8	23.8	35.8
59	12.0	9.6	14.4

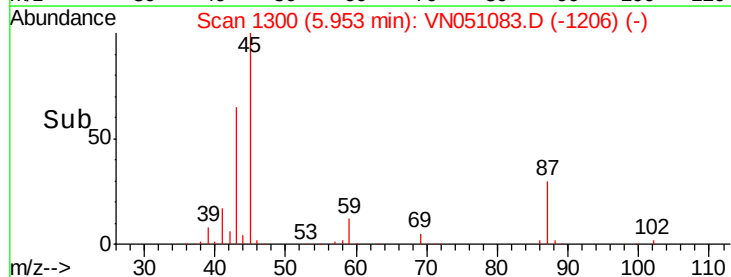
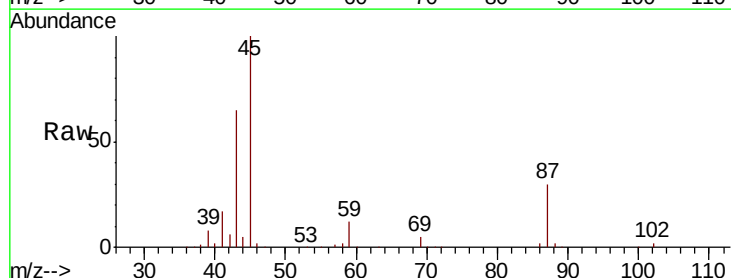
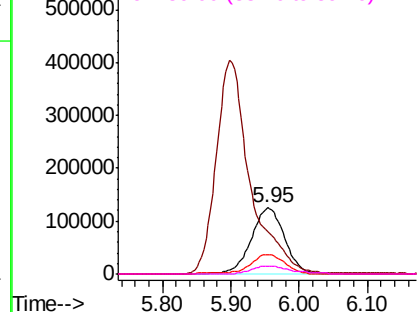
Abundance

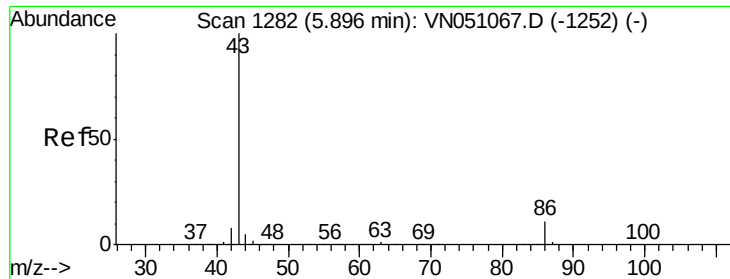
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





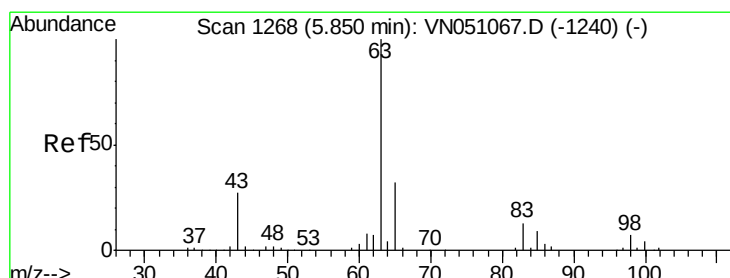
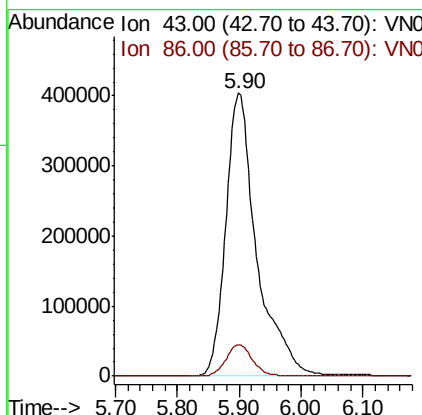
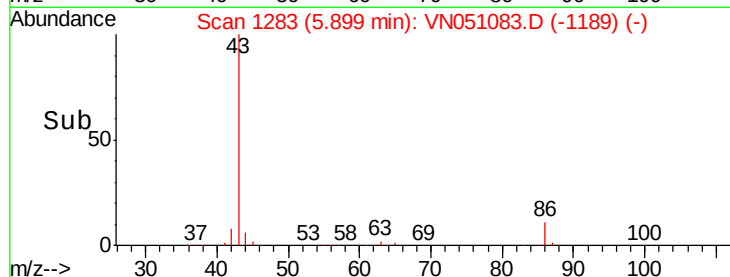
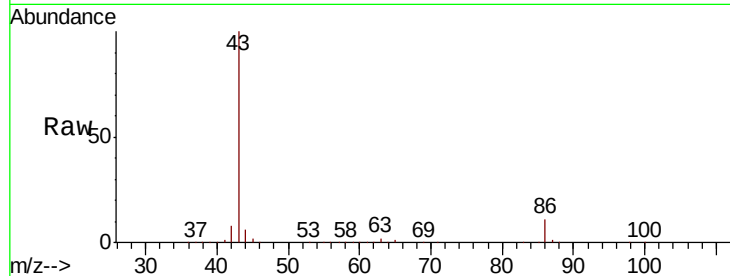
#23
 Vinyl Acetate
 Concen: 98.96 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion: 43 Resp: 1407367
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.2 13.8

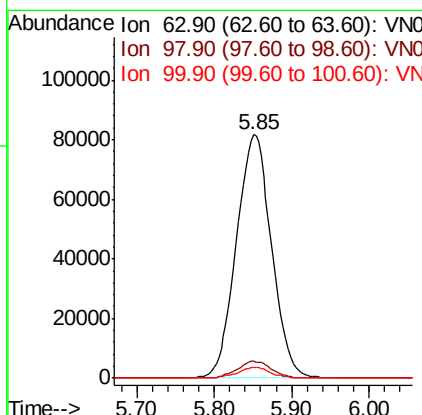
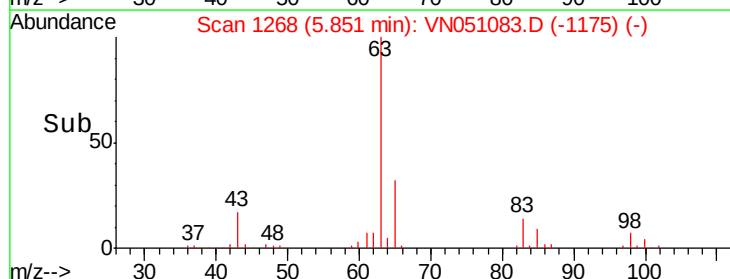
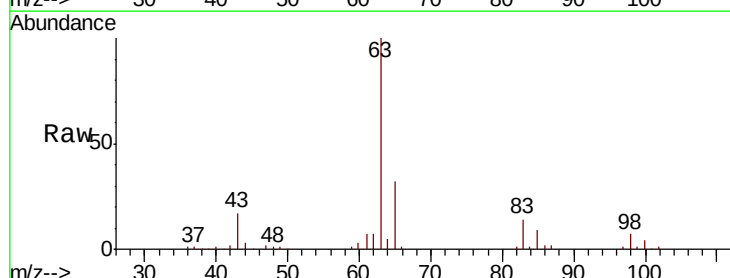
Manual Integrations
 APPROVED

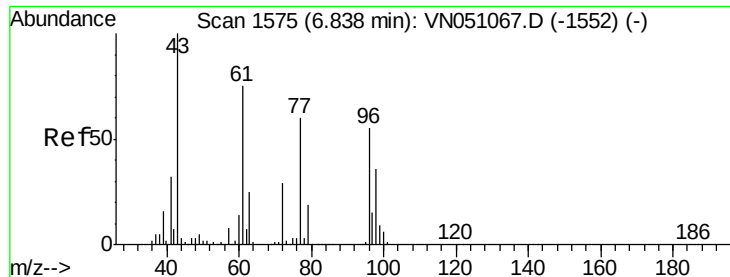
MMDadoda
 9/11/2018 9:41:04 AM



#24
 1,1-Dichloroethane
 Concen: 19.39 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion: 63 Resp: 258507
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.4 2.1 6.3





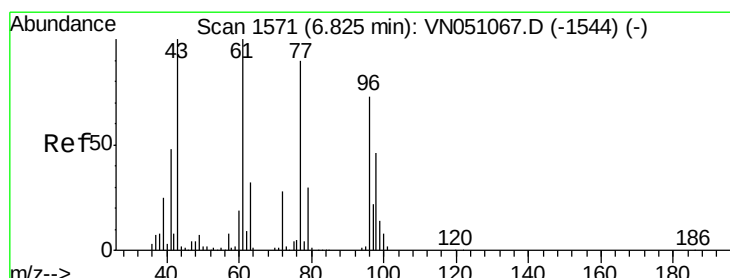
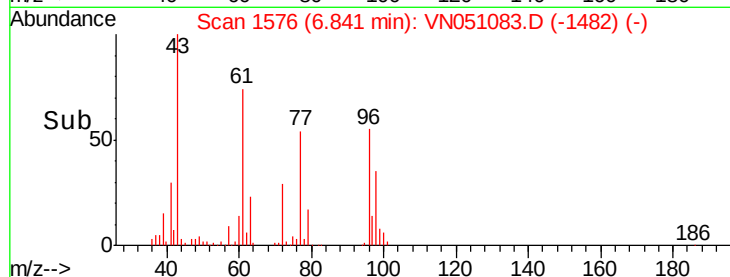
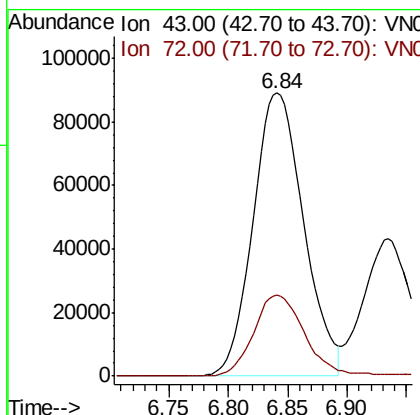
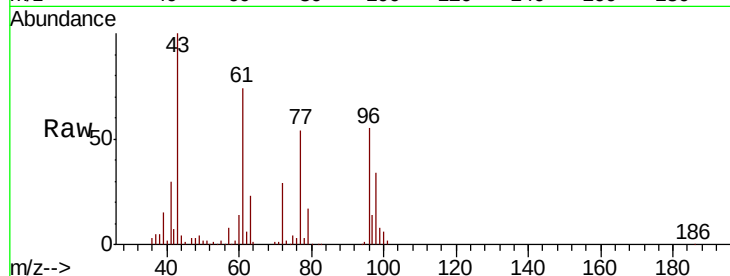
#25
2-Butanone
Concen: 91.77 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0910WBSD01

Tot Ion: 43 Resp: 261573
Ion Ratio Lower Upper
43 100
72 28.7 23.0 34.6

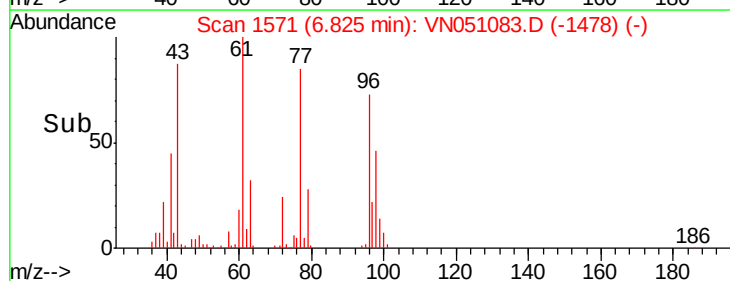
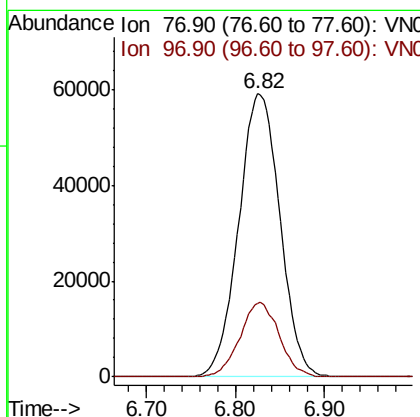
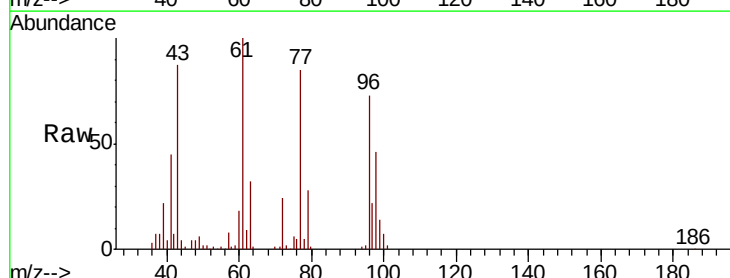
Manual Integrations
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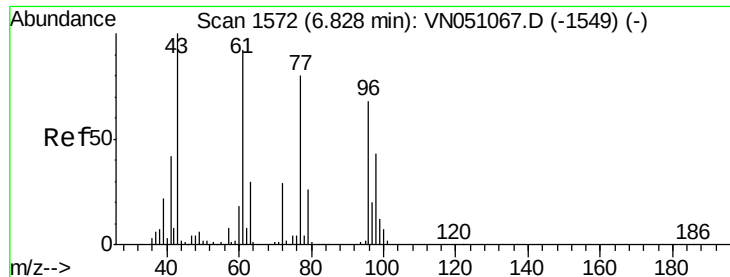
MMDadoda
9/11/2018 9:41:04 AM



#26
2,2-Dichloropropane
Concen: 17.40 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion: 77 Resp: 189940
Ion Ratio Lower Upper
77 100
97 25.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.86 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

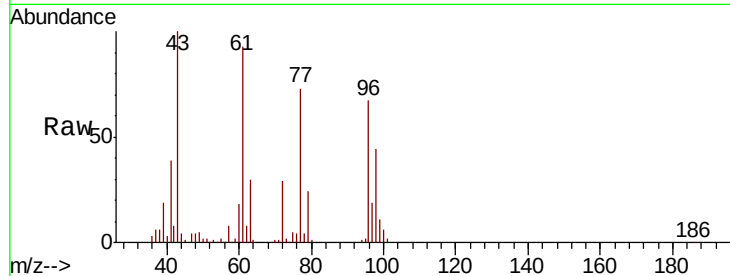
ClientSampleId :

VN0910WBSD01

Tot Ion:	96	Resp:	155968
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	278.2
98	64.6	0.0	129.4

Manual Integrations
APPROVED

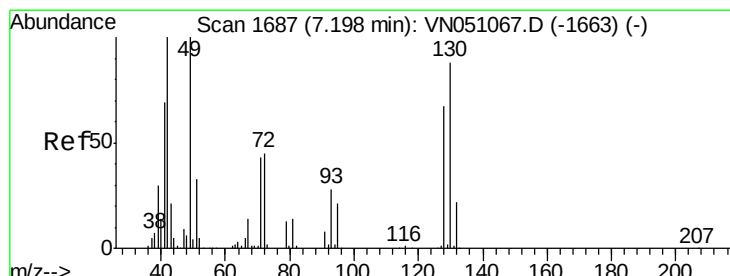
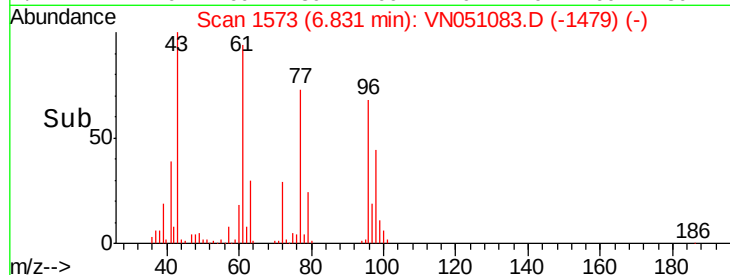
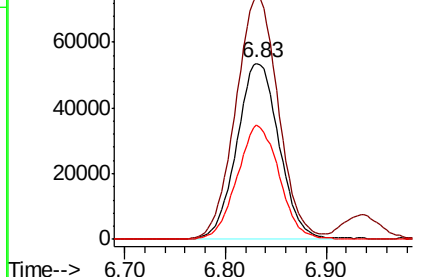
MMDadoda
9/11/2018 9:41:04 AM



Abundance Ion 95.90 (95.60 to 96.60): VN051067.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1549) (-)



#28

Bromochloromethane

Concen: 18.78 ug/l

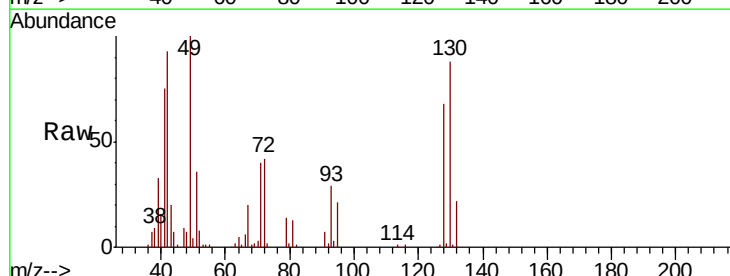
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

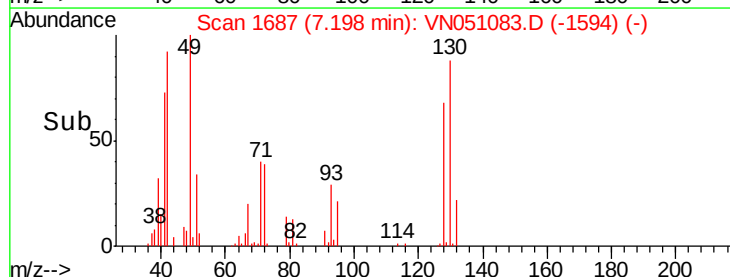
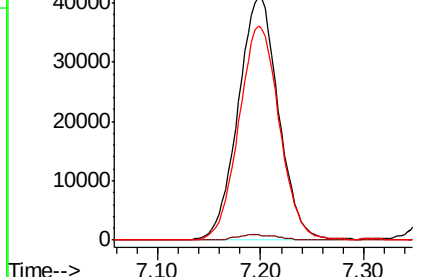
Tgt Ion:	49	Resp:	111427
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	88.4	70.7	106.1

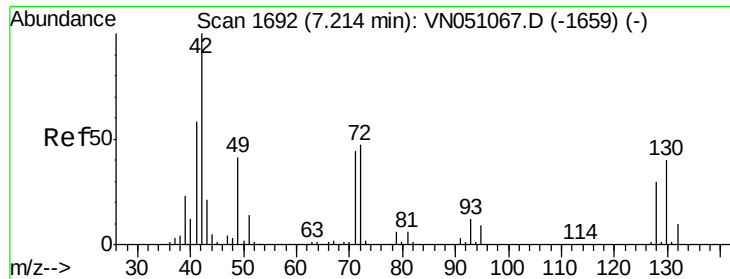


Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051067.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051067.D (-1663) (-)





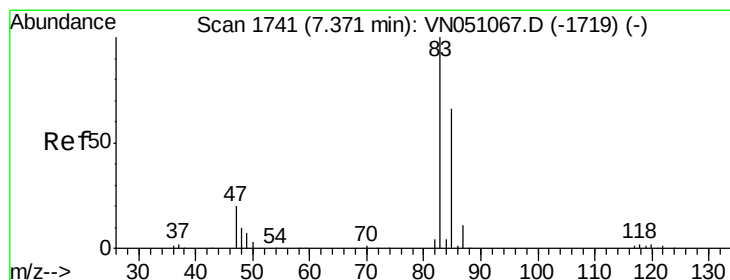
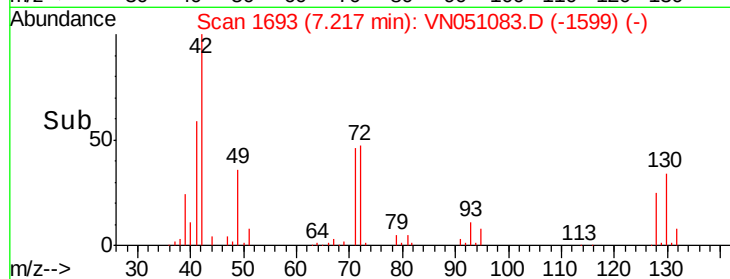
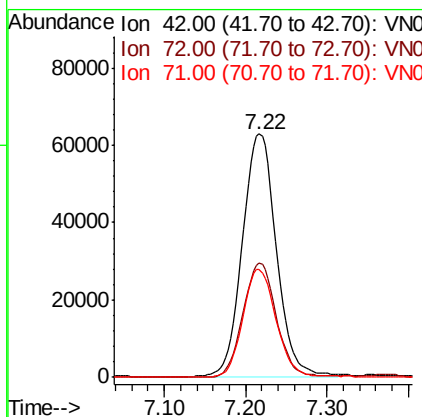
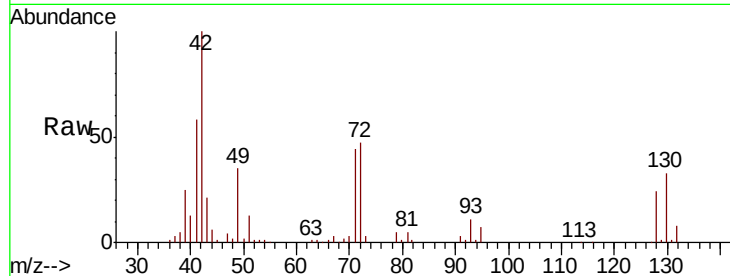
#29
Tetrahydrofuran
Concen: 101.27 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	43.4	34.7	52.1

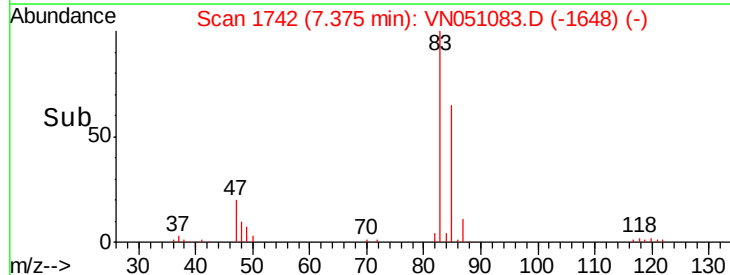
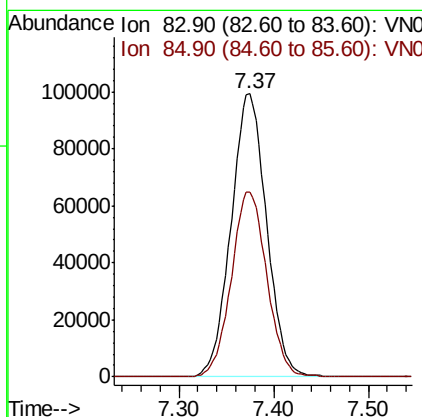
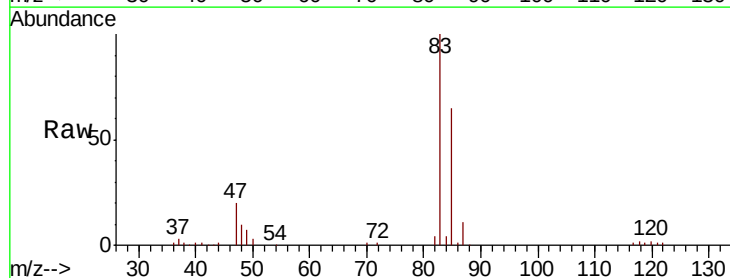
Manual Integrations
APPROVED

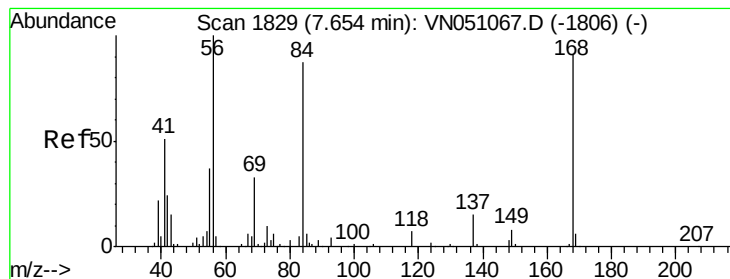
MMDadoda
9/11/2018 9:41:04 AM



#30
Chloroform
Concen: 19.51 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0





#31

Cyclohexane

Concen: 19.23 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

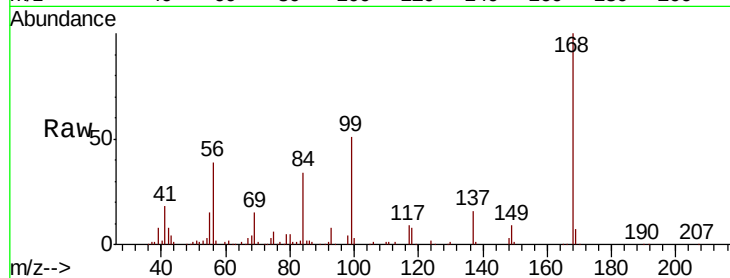
ClientSampleId :

VN0910WBSD01

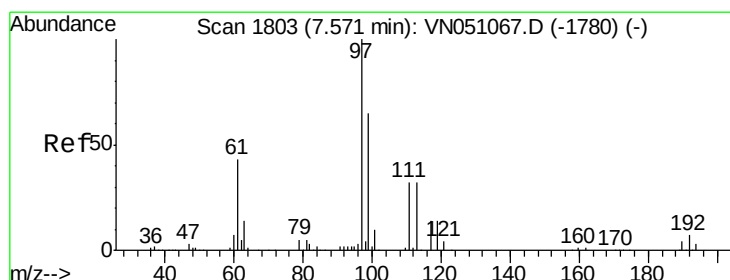
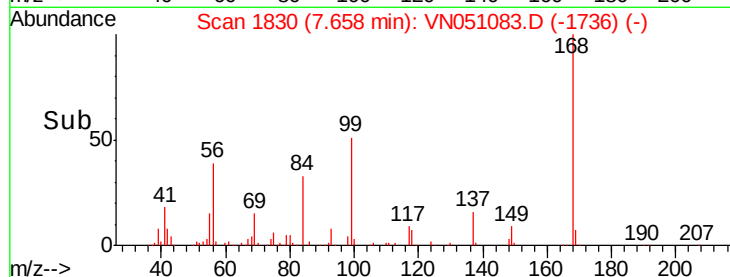
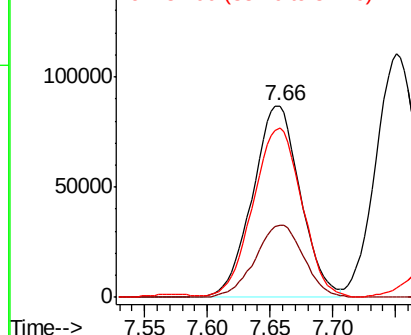
Tot Ion:	56	Resp:	230269
Ion Ratio	Lower	Upper	
56	100		
69	38.0	26.3	39.5
84	87.3	69.4	104.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.45 ug/l

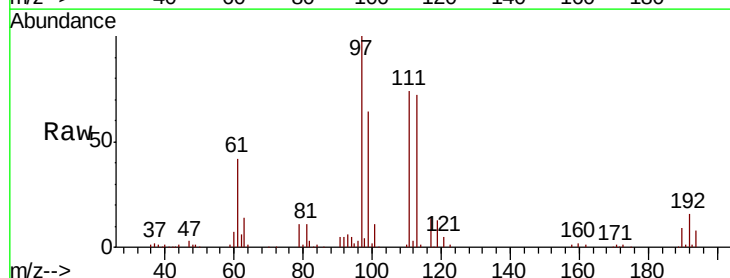
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

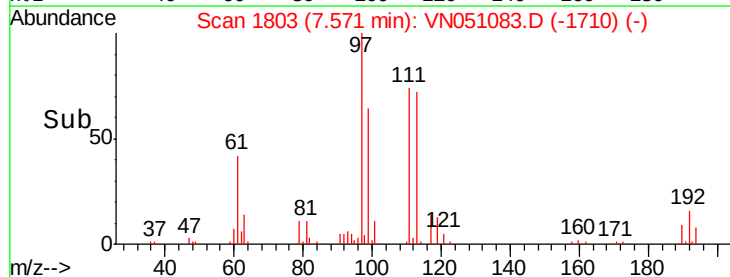
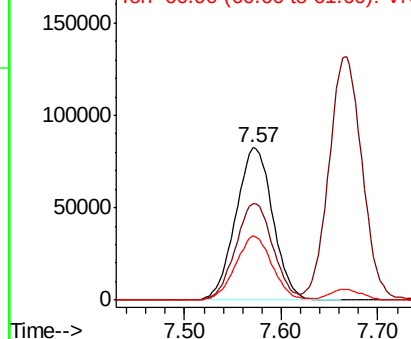
Lab File: VN051083.D

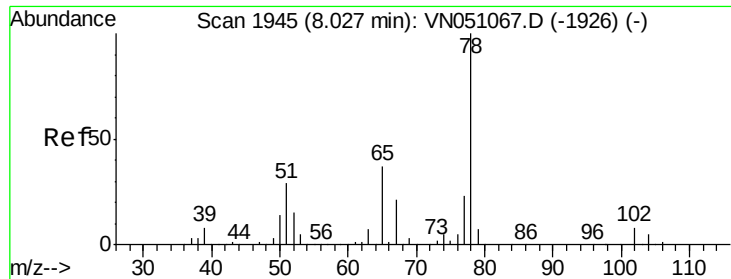
Acq: 10 Sep 2018 17:23

Tgt Ion:	97	Resp:	219832
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.6	77.4
61	41.2	33.8	50.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





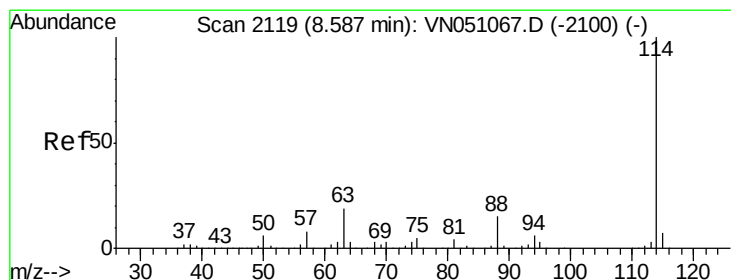
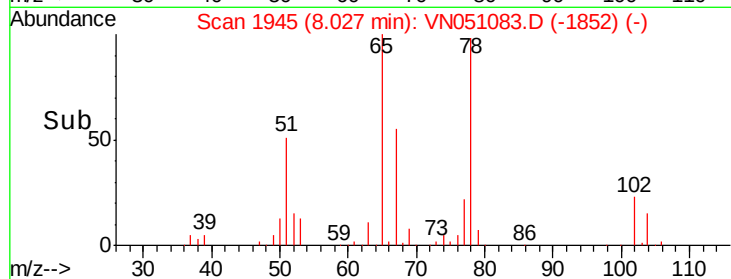
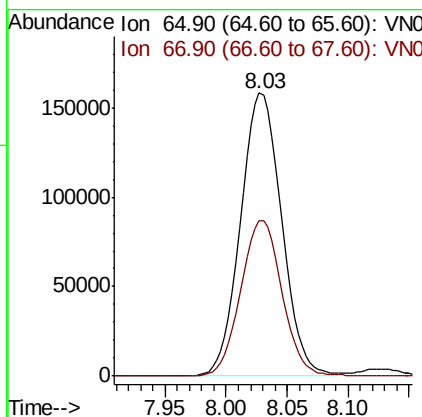
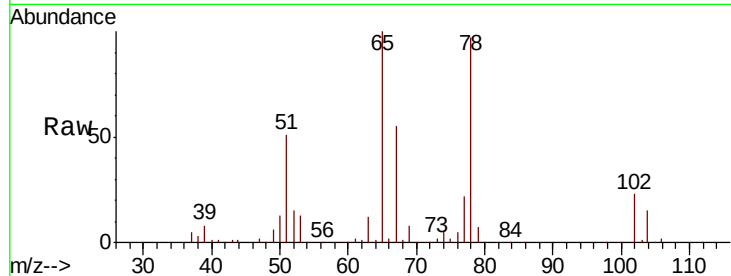
#33
 1,2-Dichloroethane-d4
 Concen: 50.94 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	112.0	

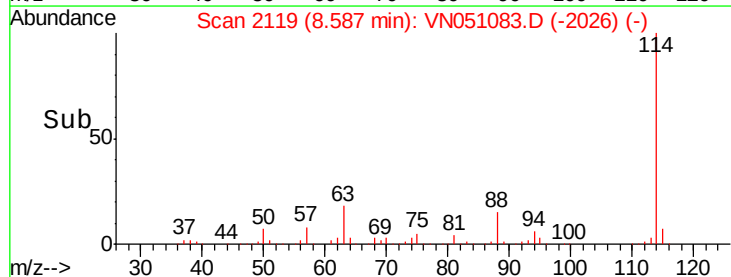
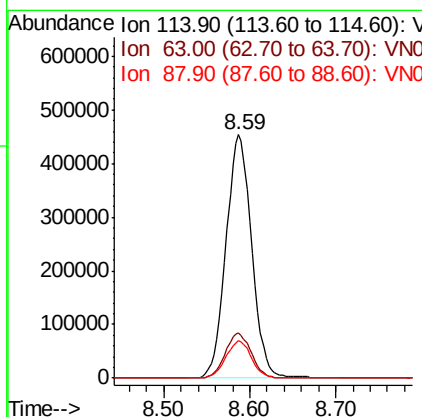
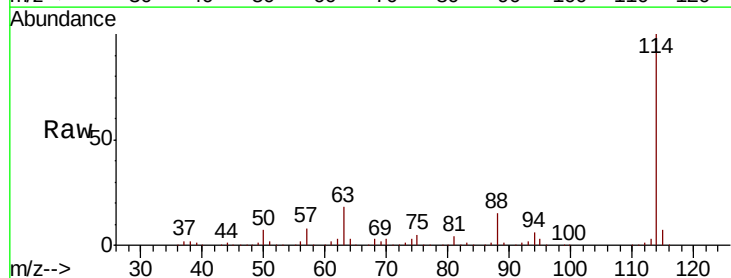
Manual Integrations
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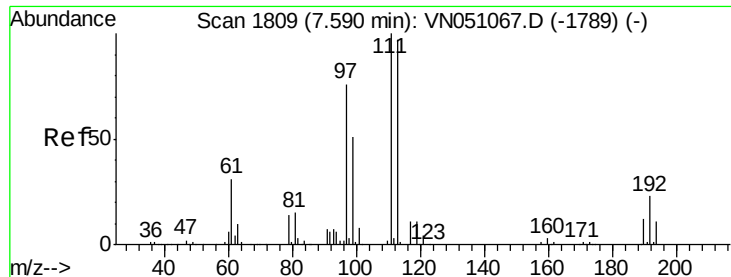
MMDadoda
 9/11/2018 9:41:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	37.8	
88	15.2	0.0	30.8	





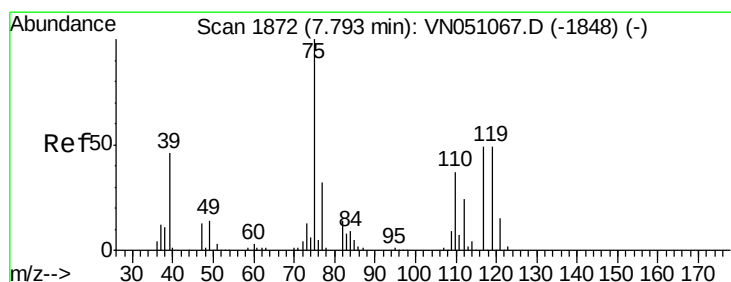
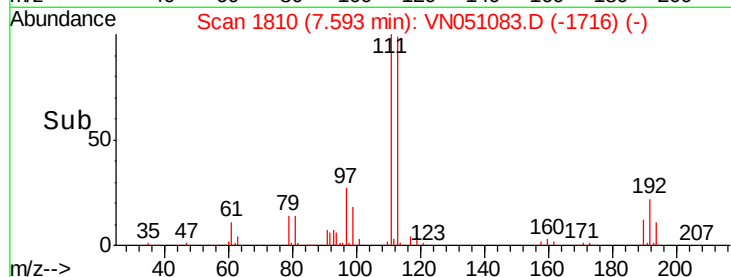
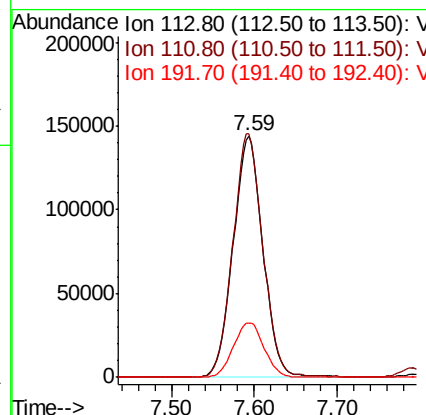
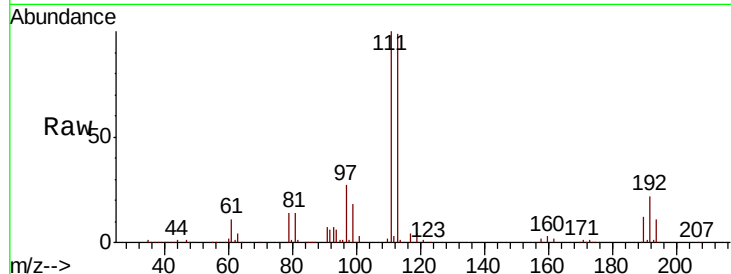
#35
 Dibromofluoromethane
 Concen: 50.88 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	359361		
111	101.6	83.0	124.6	
192	23.3	18.7	28.1	

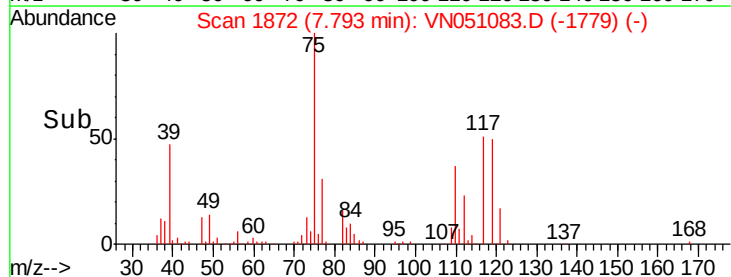
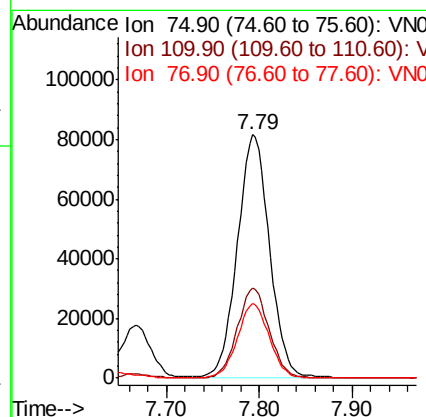
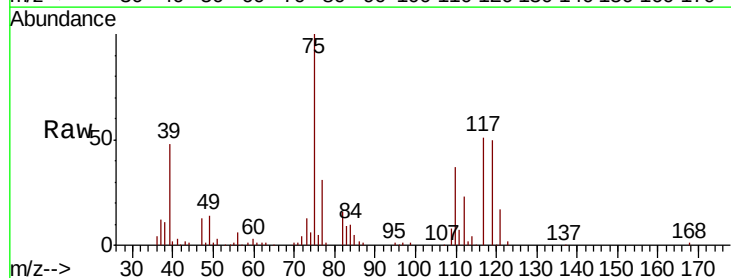
Manual Integrations
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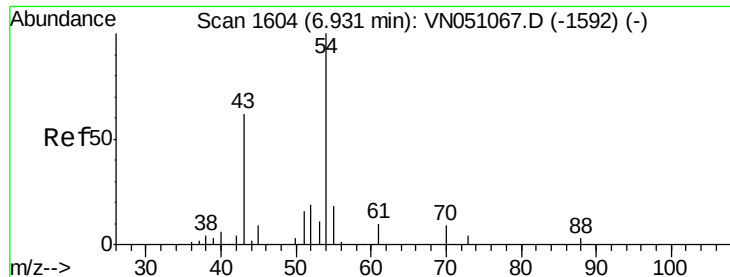
MMDadoda
 9/11/2018 9:41:04 AM



#36
 1,1-Dichloropropene
 Concen: 18.96 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195604		
110	36.7	18.6	55.8	
77	30.7	25.2	37.8	





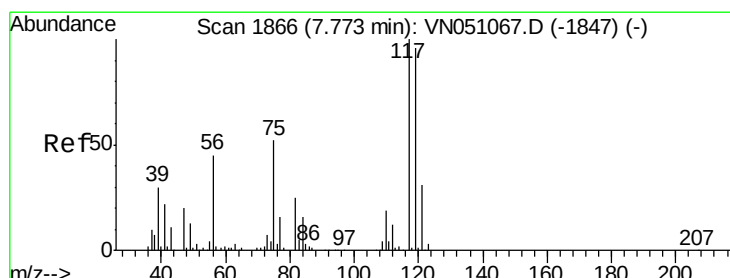
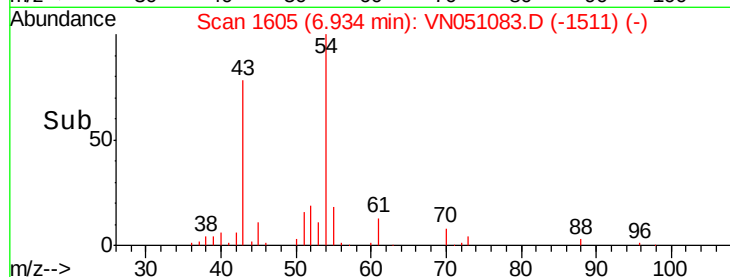
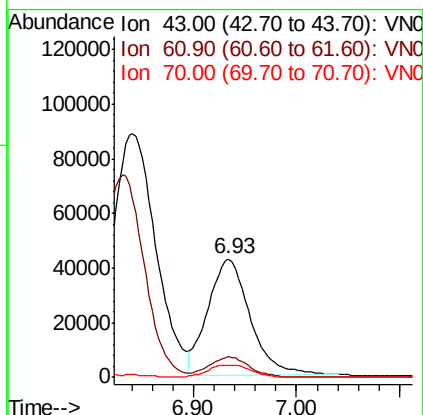
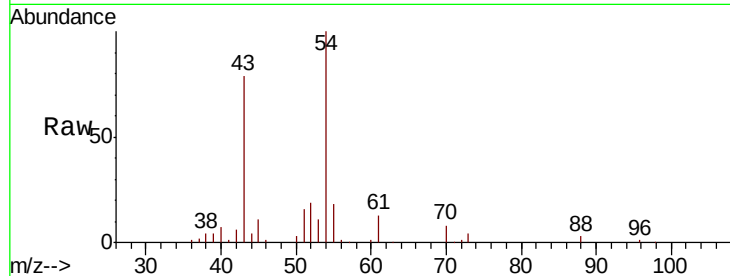
#37
Ethyl Acetate
Concen: 20.36 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.4	18.6
70	10.9	9.3	13.9

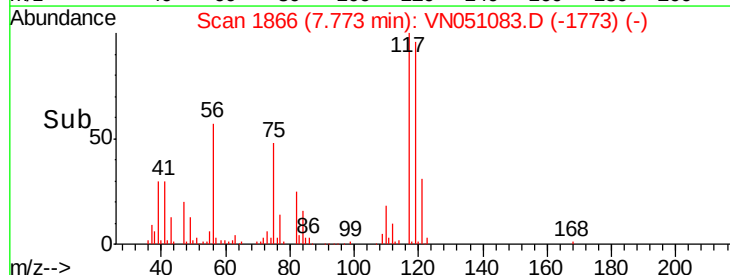
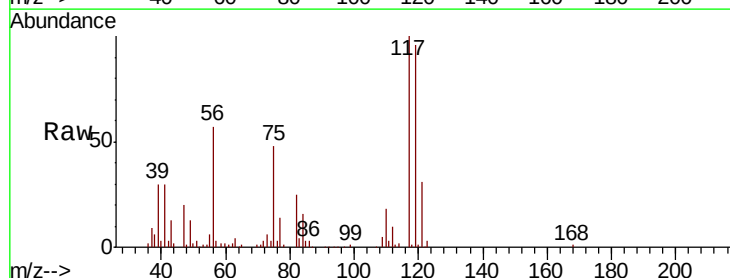
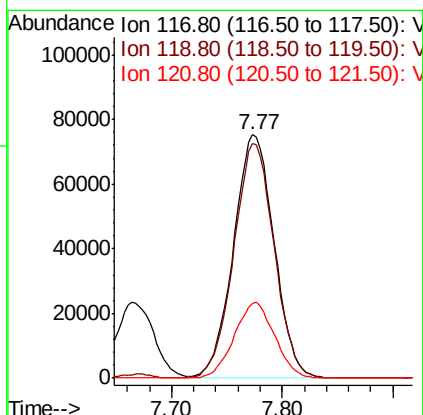
Manual Integrations
APPROVED

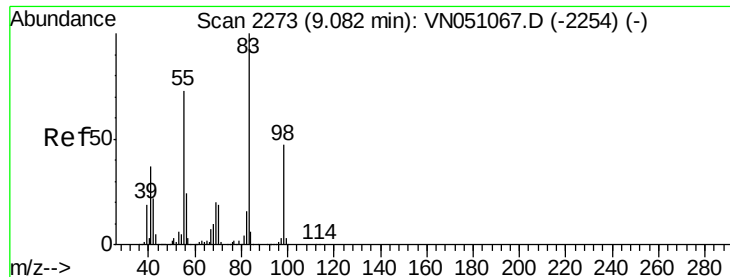
MMDadoda
9/11/2018 9:41:04 AM



#38
Carbon Tetrachloride
Concen: 18.91 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	30.6	24.6	36.8





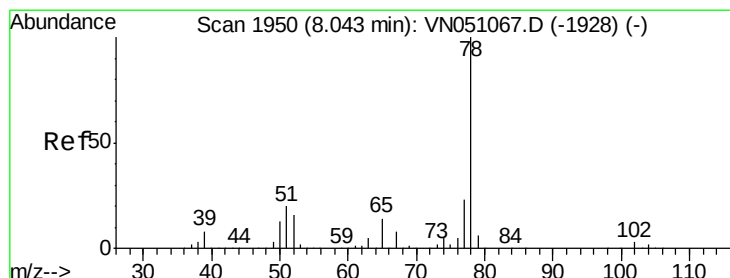
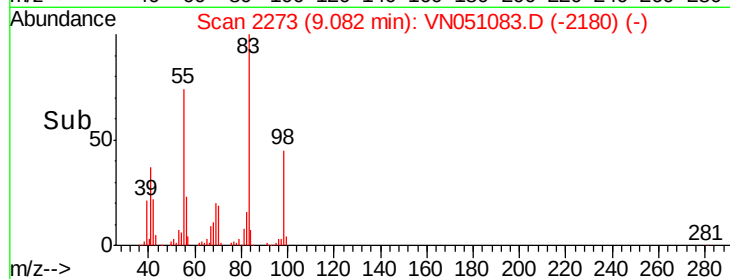
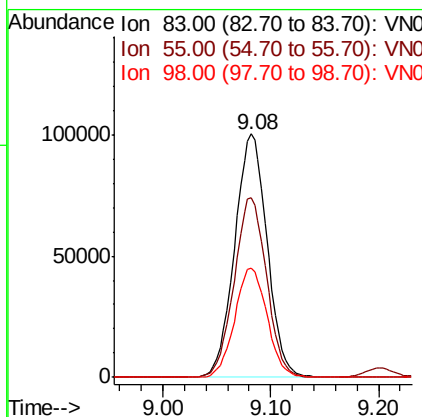
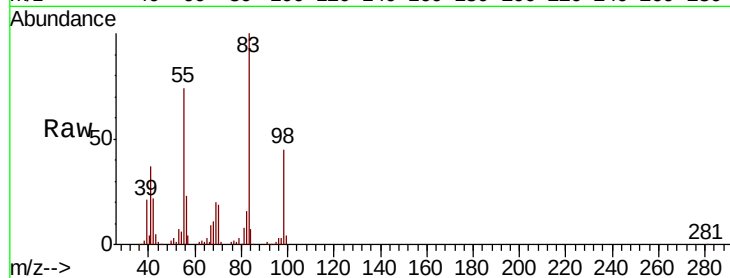
#39
Methylvlcyclohexane
Concen: 18.46 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.4	87.6
98	45.0	37.3	55.9

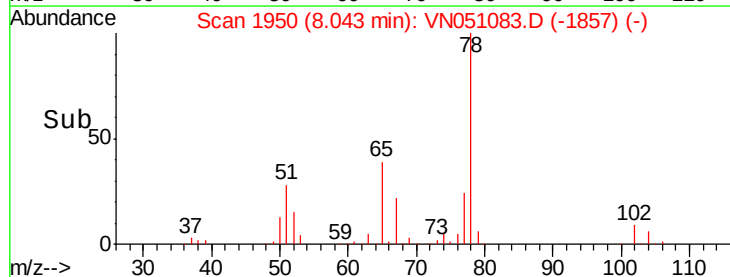
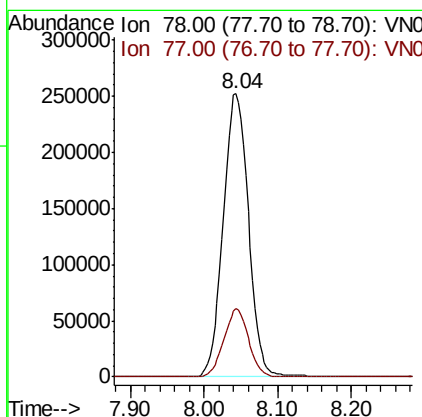
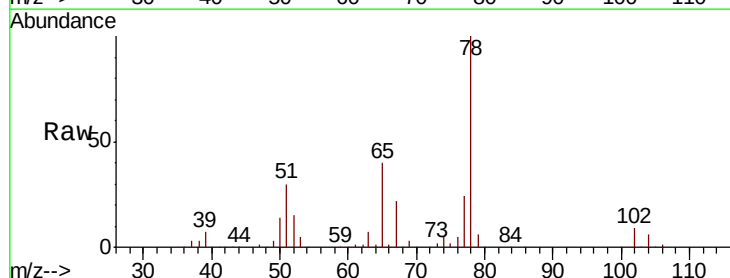
Manual Integrations
APPROVED

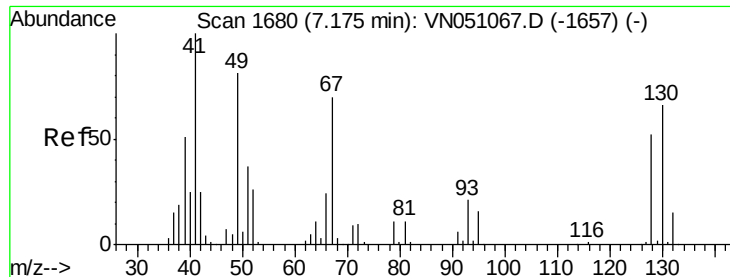
MMDadoda
9/11/2018 9:41:04 AM



#40
Benzene
Concen: 19.37 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	27.8





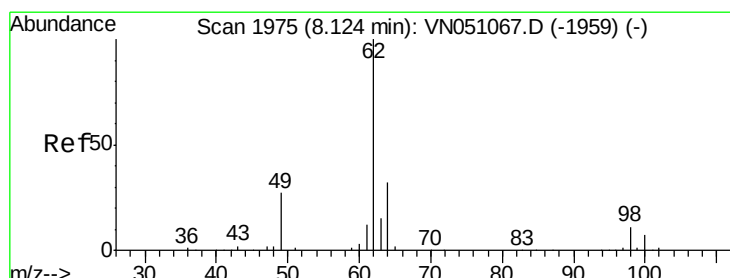
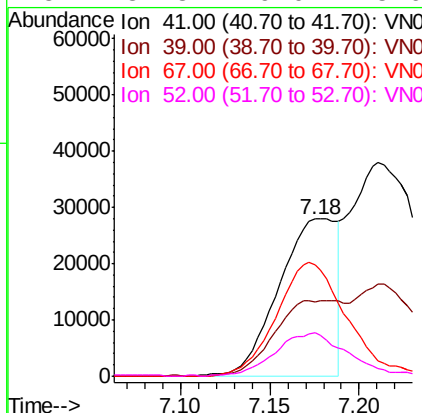
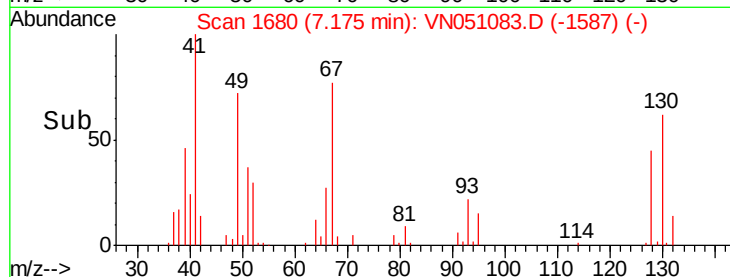
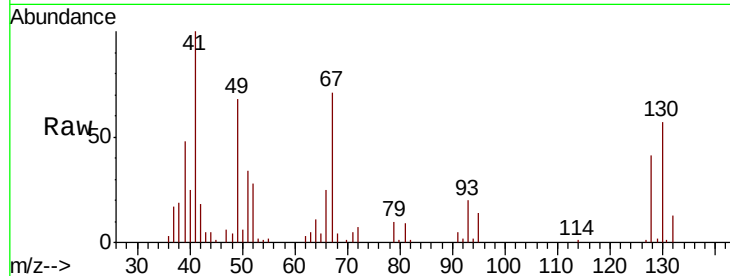
#41
Methacrylonitrile
Concen: 20.57 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	34.9	51.3	76.9#
67	87.2	78.5	117.7
52	34.8	29.0	43.6

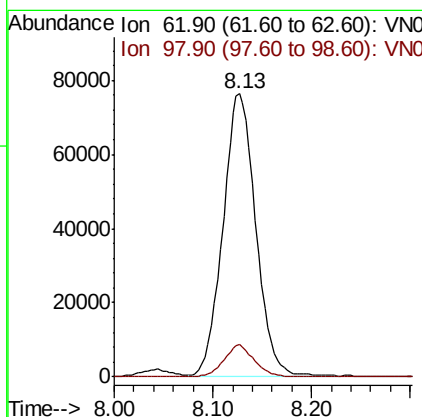
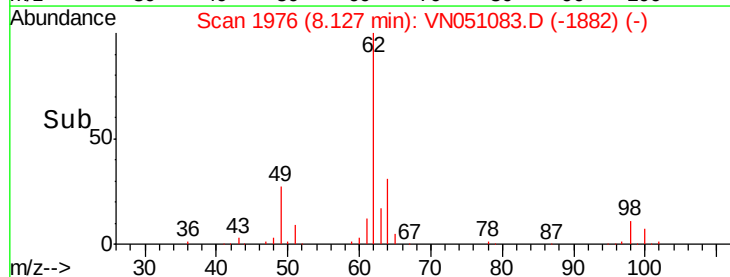
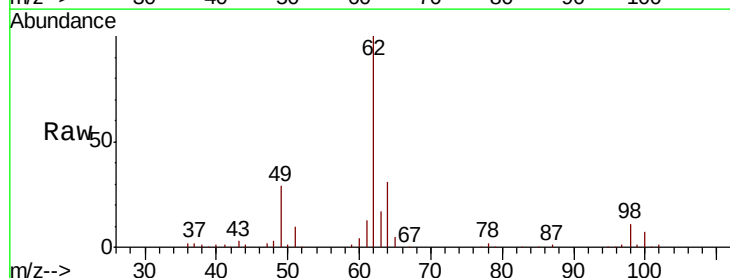
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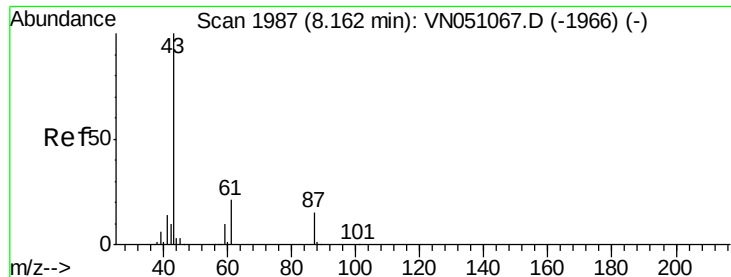
MMDadoda
9/11/2018 9:41:04 AM



#42
1,2-Dichloroethane
Concen: 19.51 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.74 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

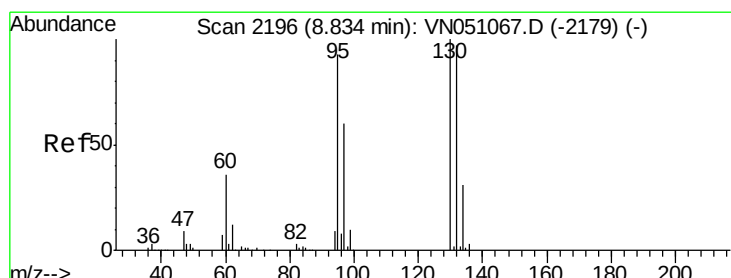
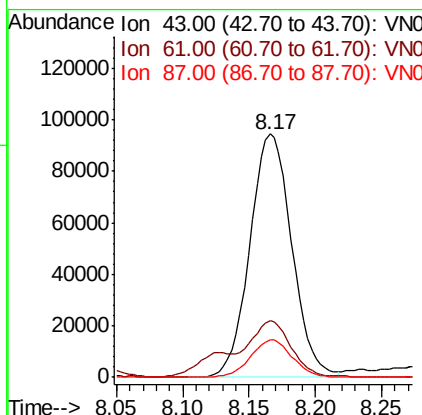
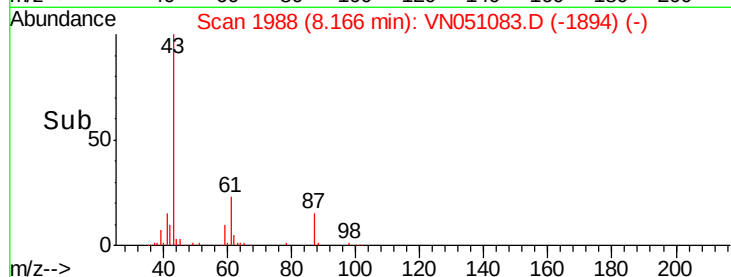
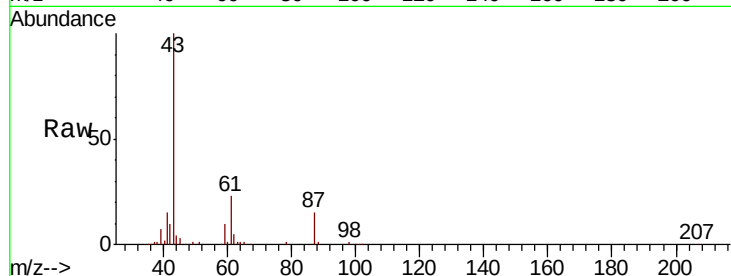
ClientSampleId :

VN0910WBSD01

Tot Ion:	43	Resp:	208180
Ion	Ratio	Lower	Upper
43	100		
61	22.5	25.0	37.6#
87	15.3	11.8	17.8

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#44

Trichloroethene

Concen: 18.90 ug/l

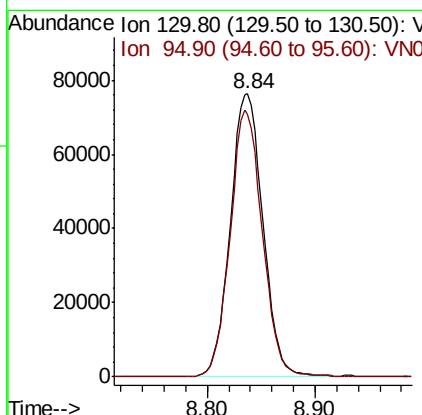
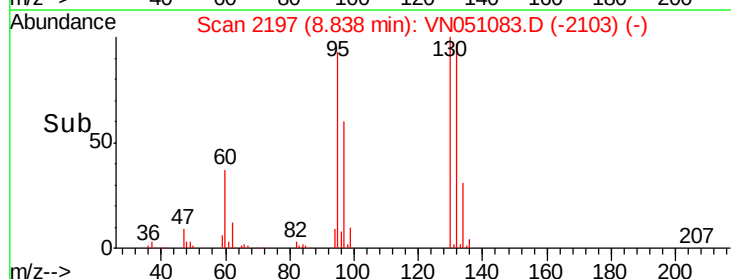
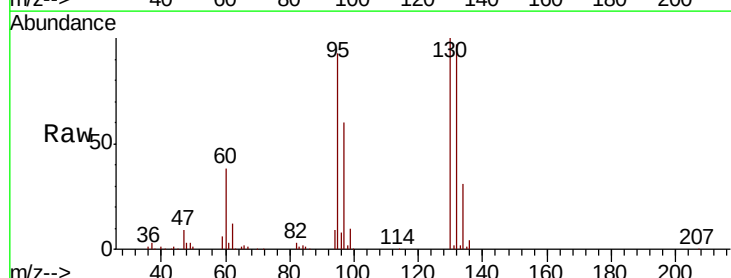
RT: 8.84 min Scan# 2197

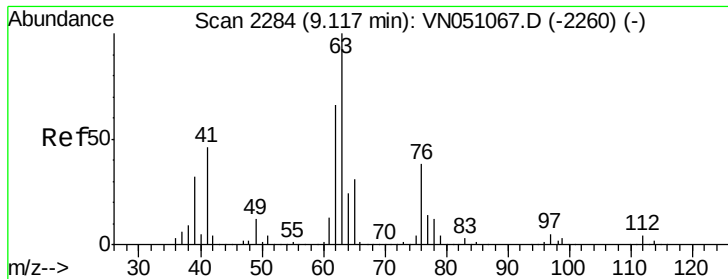
Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Tgt Ion:	130	Resp:	160770
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	186.2





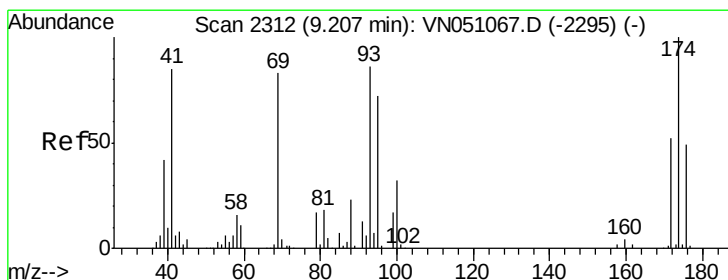
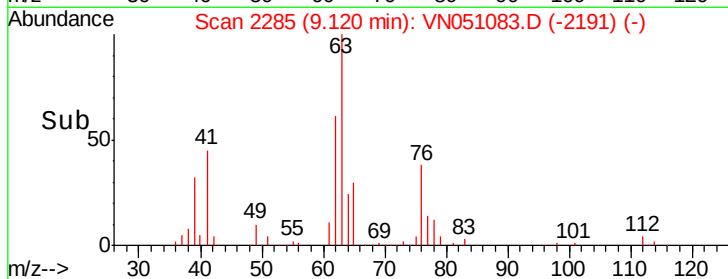
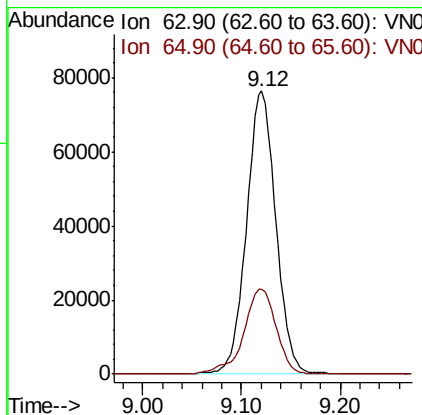
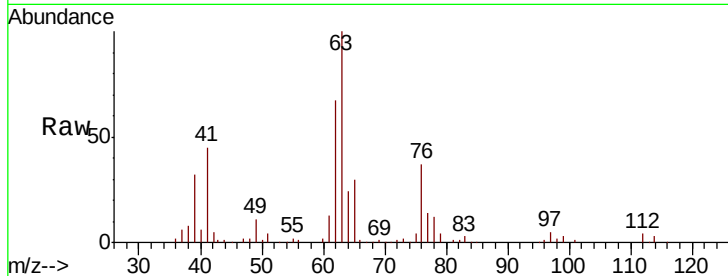
#45
 1,2-Dichloropropane
 Concen: 19.50 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion: 63 Resp: 156676
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.7 37.1

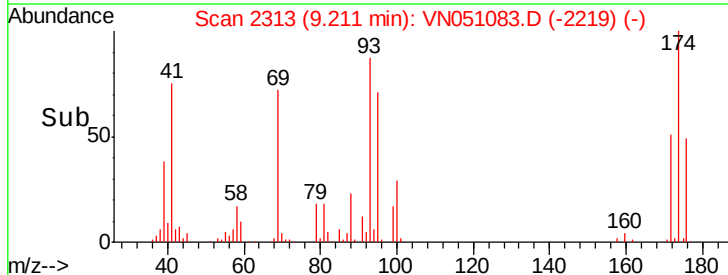
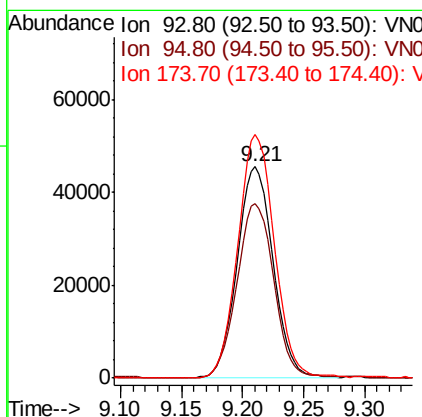
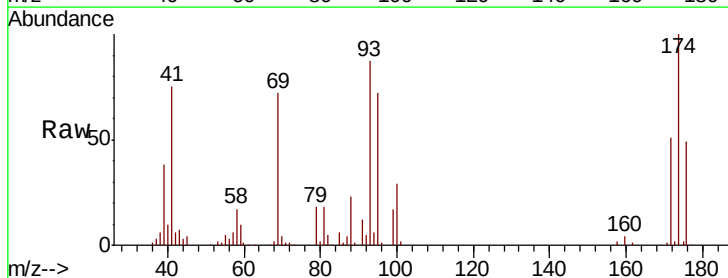
Manual Integrations
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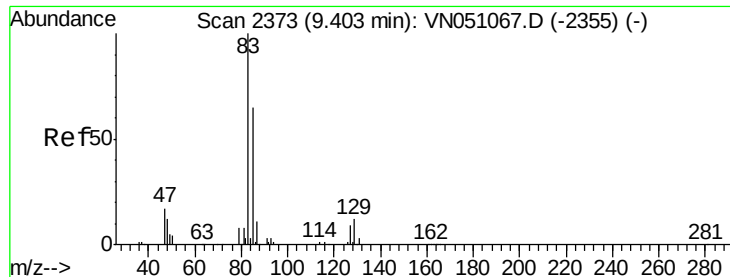
MMDadoda
 9/11/2018 9:41:04 AM



#46
 Dibromomethane
 Concen: 19.02 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion: 93 Resp: 93261
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.8 100.2
 174 117.0 93.3 139.9





#47

Bromodichloromethane

Concen: 19.25 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

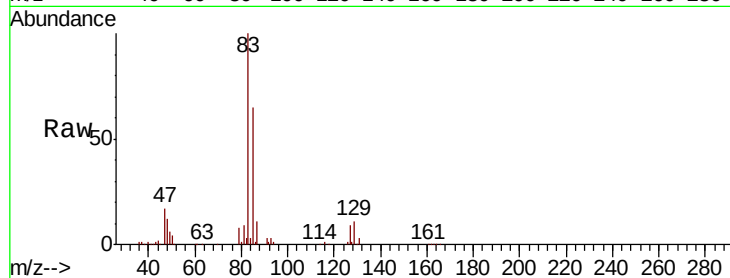
ClientSampleId :

VN0910WBSD01

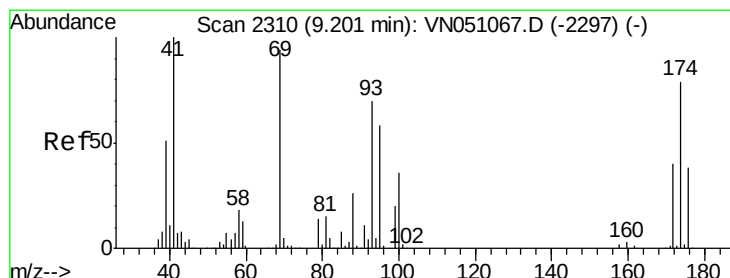
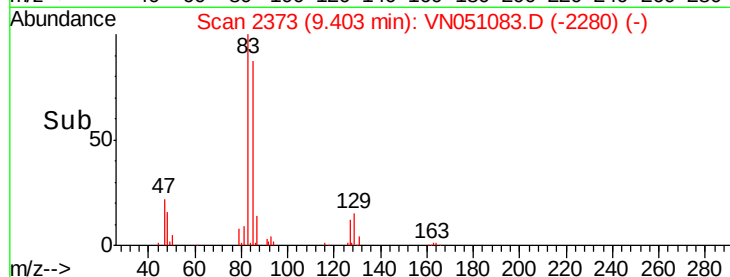
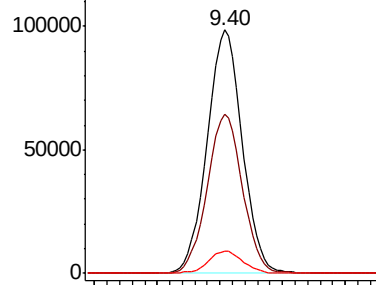
Tot Ion:	83	Resp:	191874
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.3	78.5
127	9.2	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VN051083.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.96 ug/l

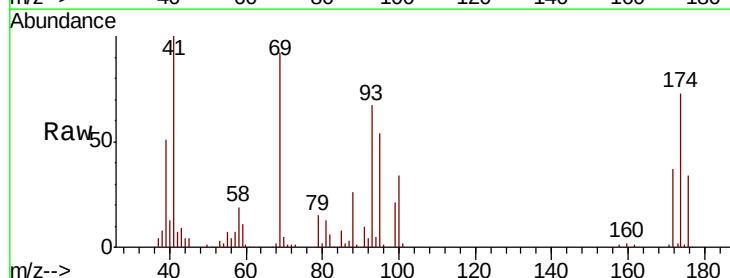
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

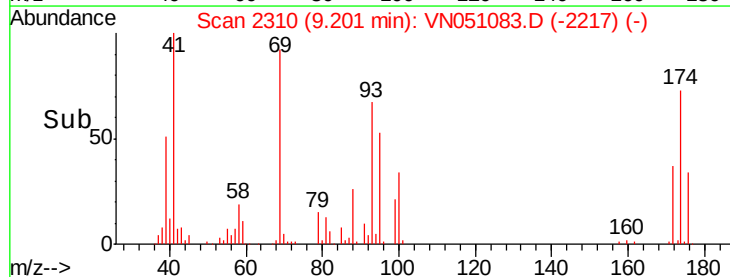
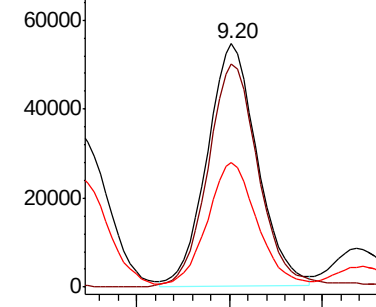
Lab File: VN051083.D

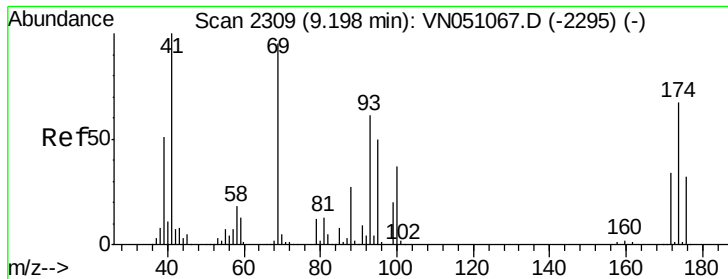
Acq: 10 Sep 2018 17:23

Tgt Ion:	41	Resp:	102574
Ion Ratio	Lower	Upper	
41	100		
69	93.2	77.7	116.5
39	50.3	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051083.D (-2217) (-)





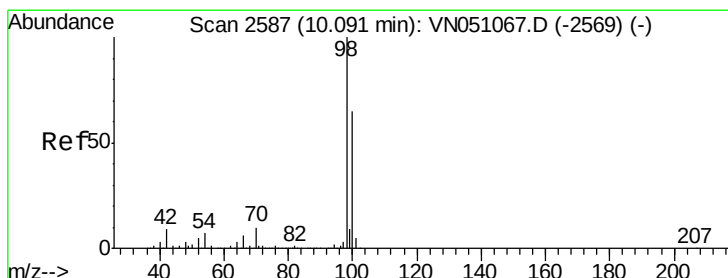
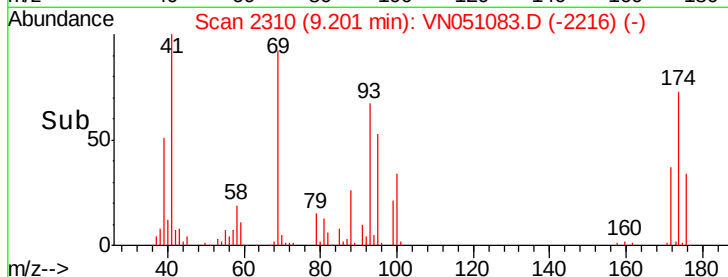
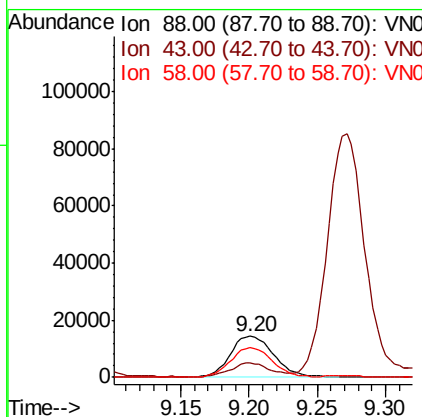
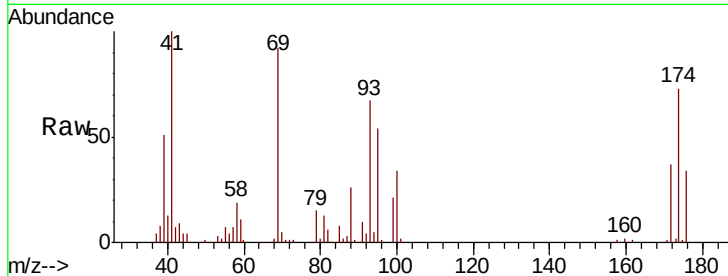
#49
1,4-Dioxane
Concen: 401.33 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	88	Resp	32342
Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.7	35.5
58	68.8	54.6	82.0

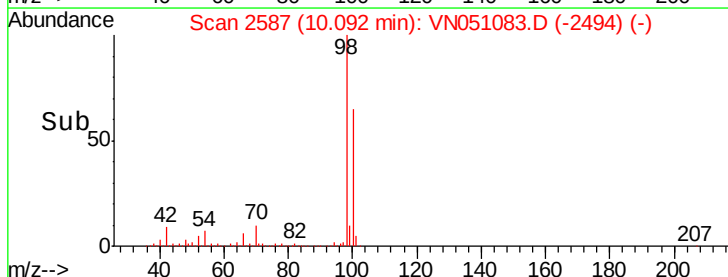
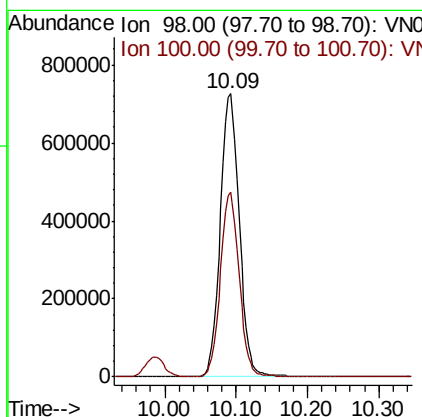
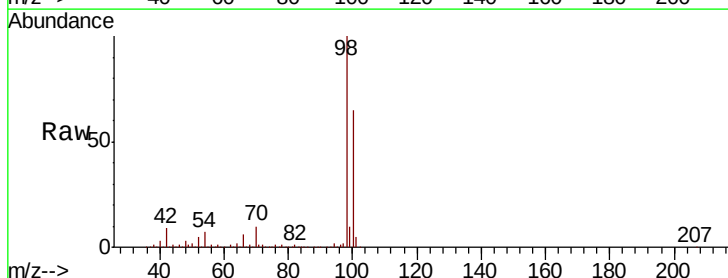
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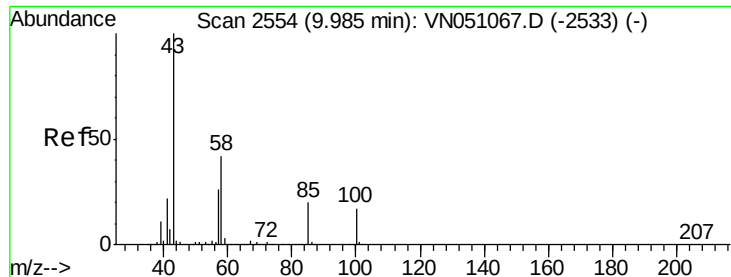
MMDadoda
9/11/2018 9:41:04 AM



#50
Toluene-d8
Concen: 50.14 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	98	Resp	1343711
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





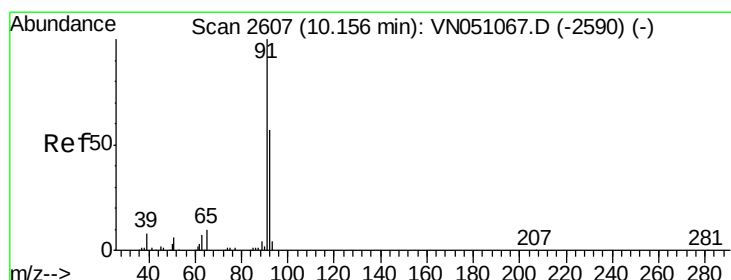
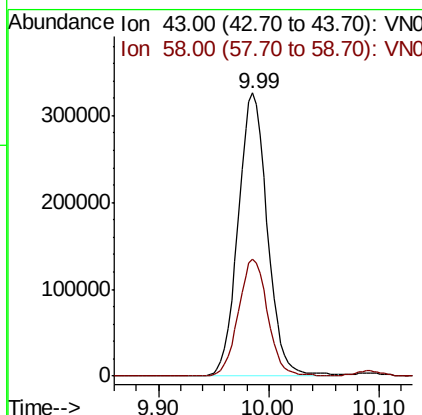
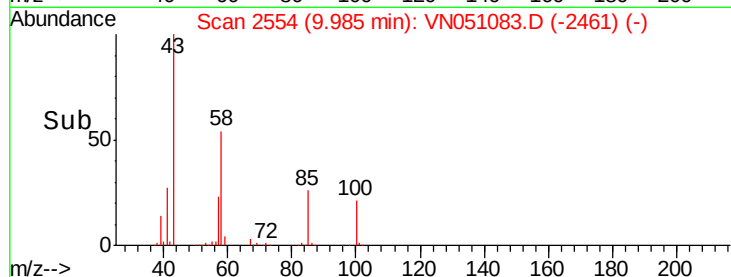
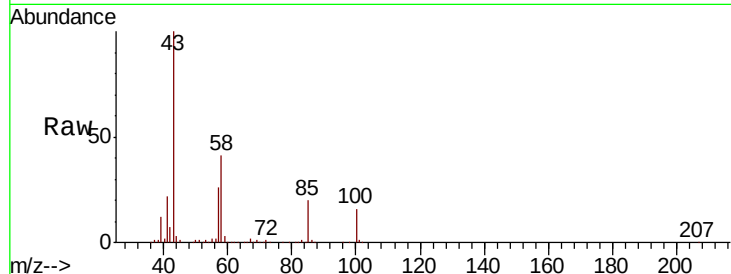
#51
4-Methyl-2-Pentanone
Concen: 102.41 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0910WBSD01

Tot Ion	43	Resp	597244
Ion Ratio	43	100	
Lower	58	41.7	33.5
Upper			50.3

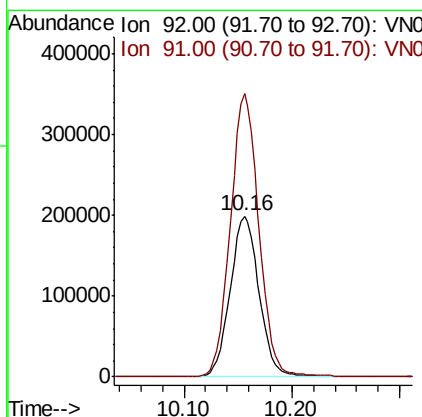
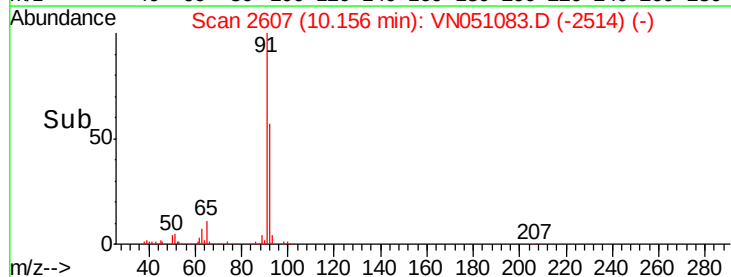
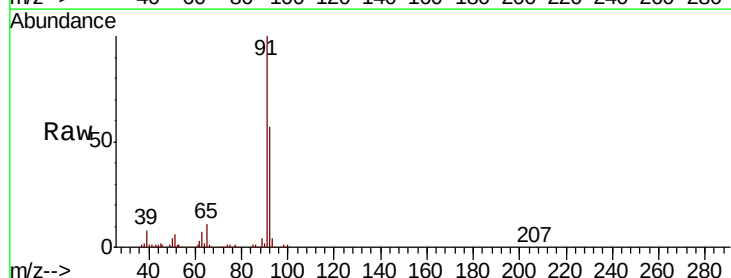
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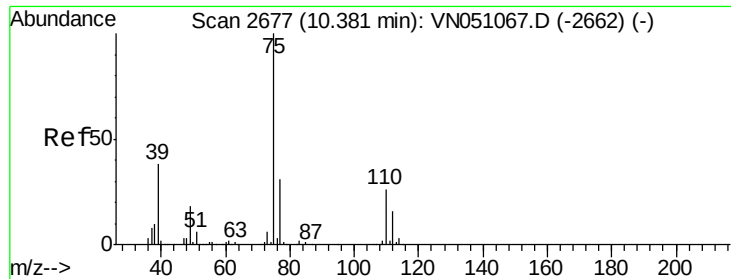
MMDadoda
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#52
Toluene
Concen: 19.64 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	92	Resp	372305
Ion Ratio	92	100	
Lower	91	173.9	139.5
Upper			209.3





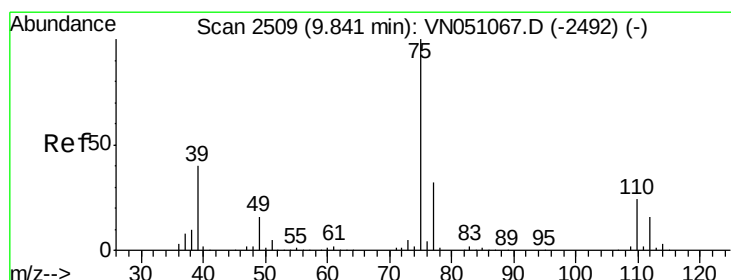
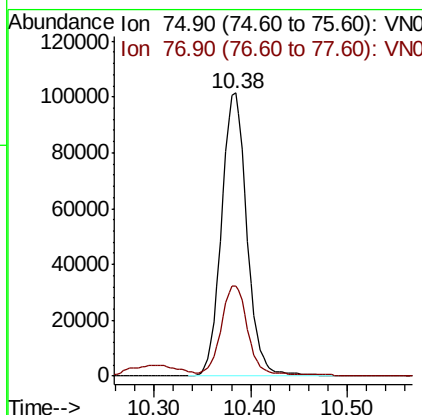
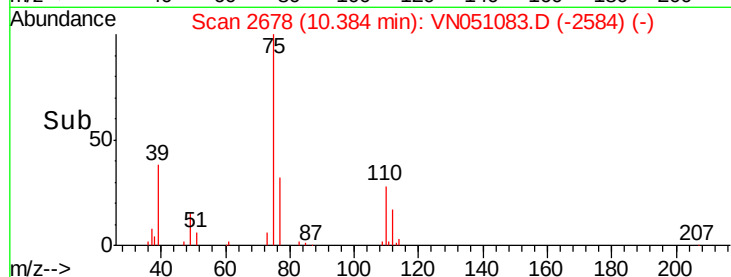
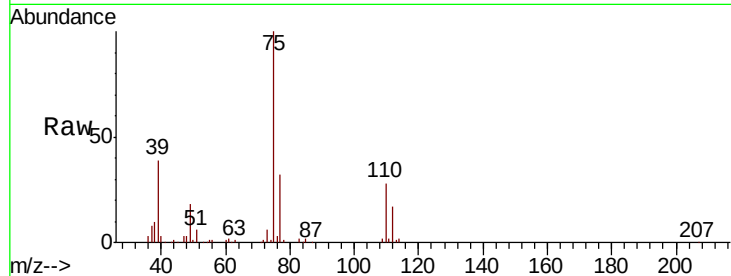
#53
t-1,3-Dichloropropene
Concen: 18.60 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion: 75 Resp: 185572
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9

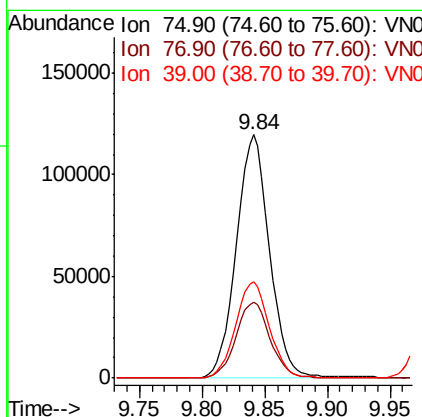
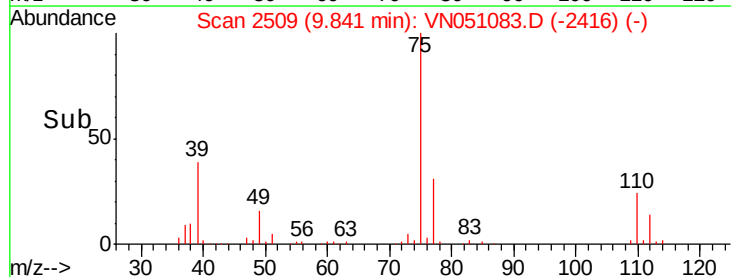
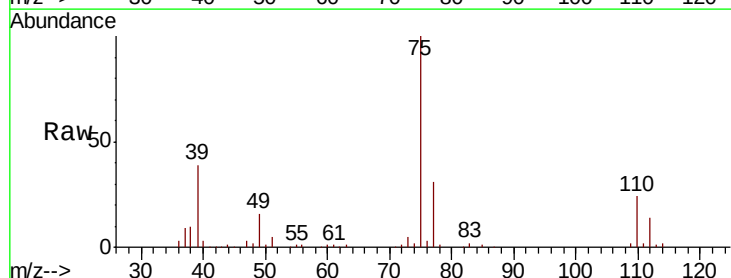
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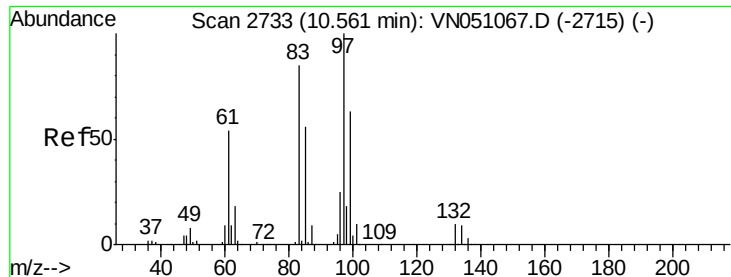
MMDadoda
9/11/2018 9:41:04 AM



#54
cis-1,3-Dichloropropene
Concen: 18.79 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion: 75 Resp: 219848
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
39 39.5 31.9 47.9





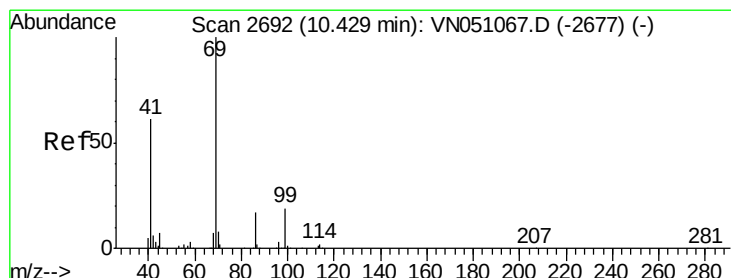
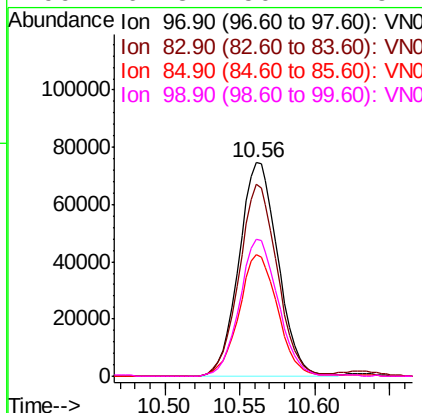
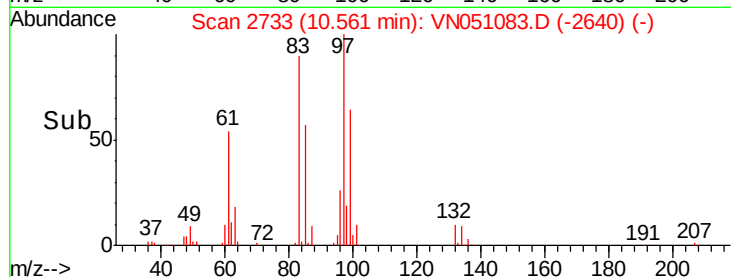
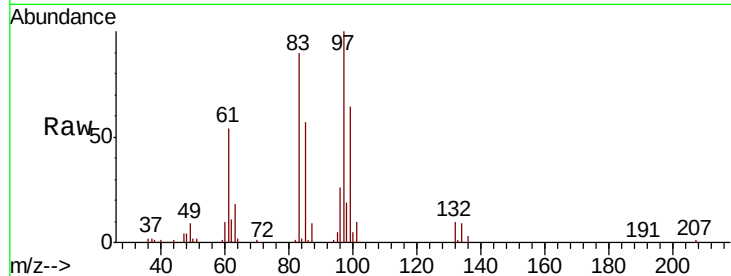
#55
 1,1,2-Trichloroethane
 Concen: 19.69 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion:	97	Resp:	135634
Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.2	102.2
85	57.2	44.8	67.2
99	64.3	50.2	75.4

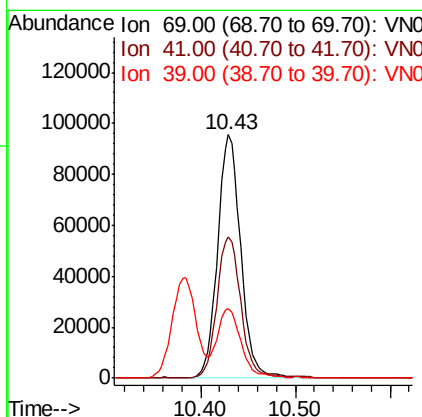
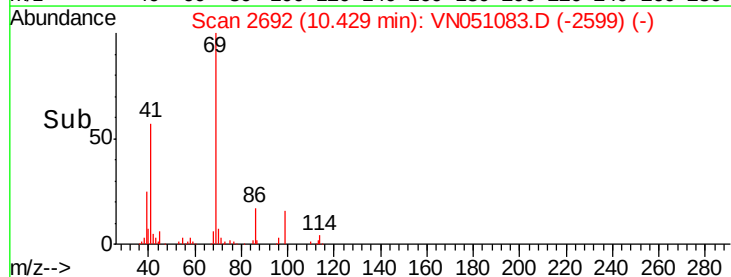
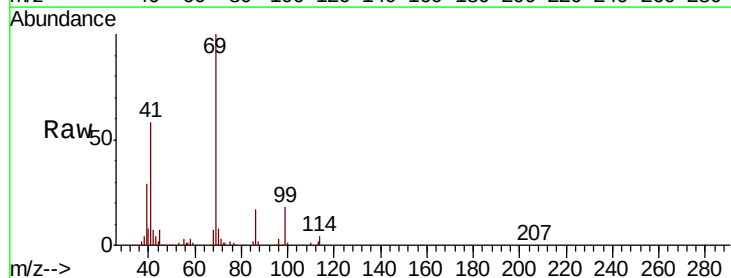
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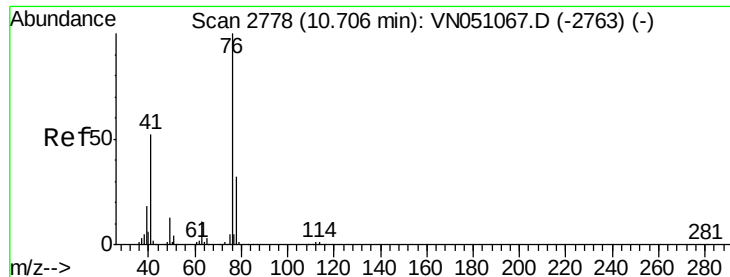
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 9/11/2018 9:41:04 AM



#56
 Ethyl methacrylate
 Concen: 19.18 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion:	69	Resp:	162595
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.8	71.8
39	29.4	23.0	34.4





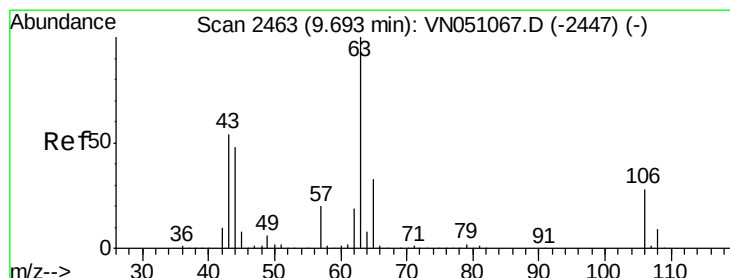
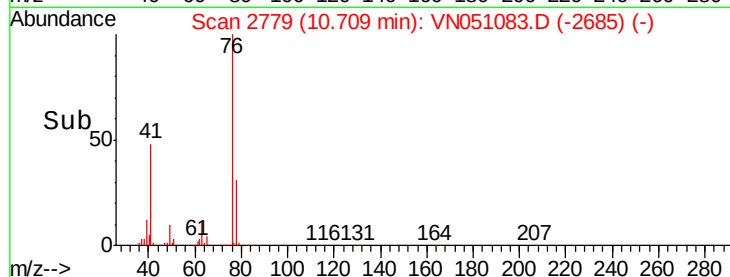
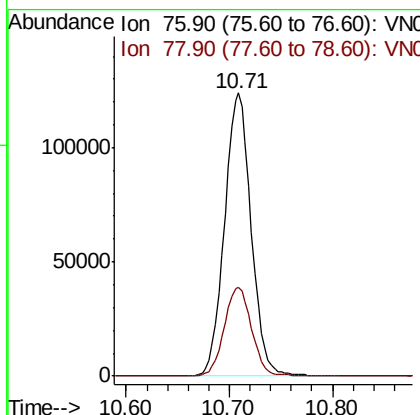
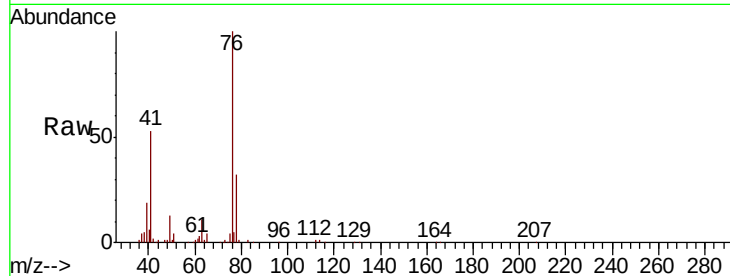
#57
 1,3-Dichloropropane
 Concen: 19.49 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

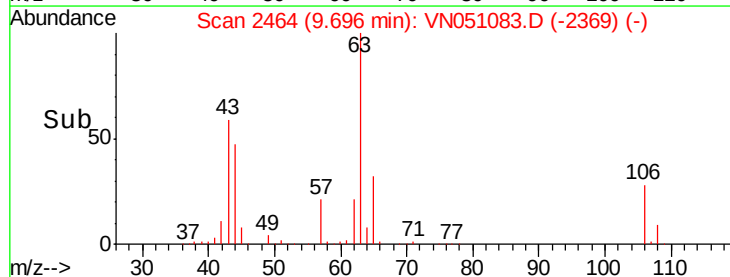
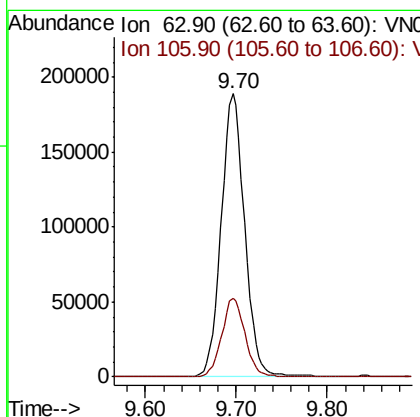
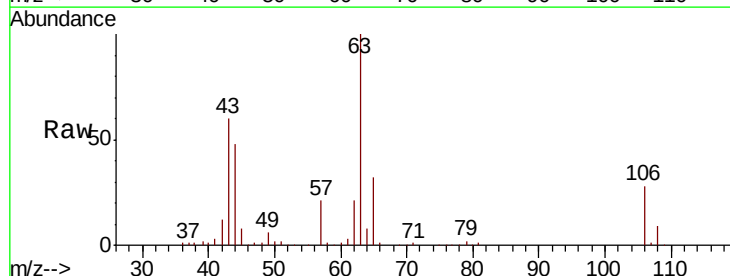
Manual Integrations
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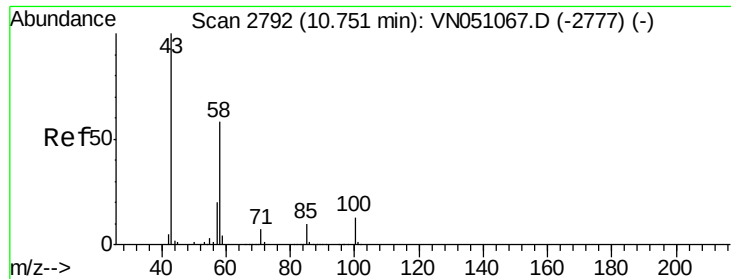
MMDadoda
 9/11/2018 9:41:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.15 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.5	33.7





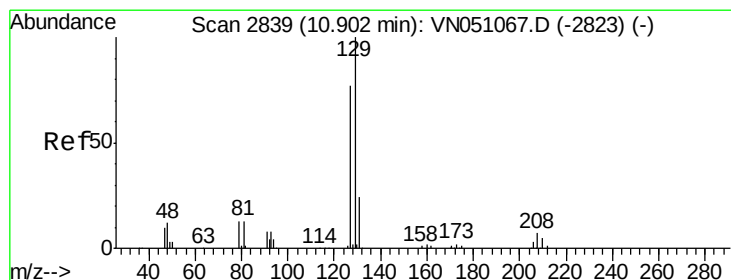
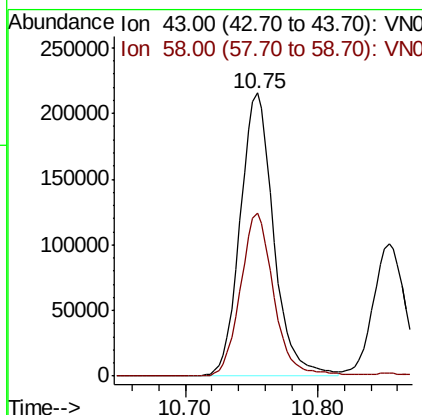
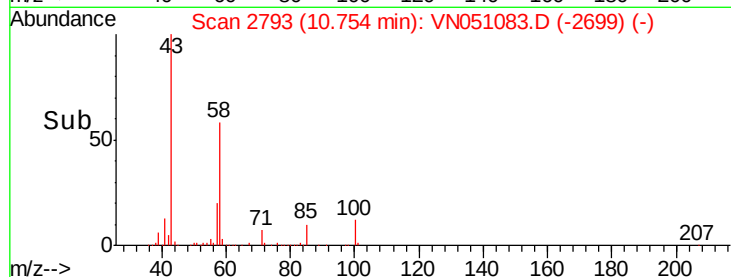
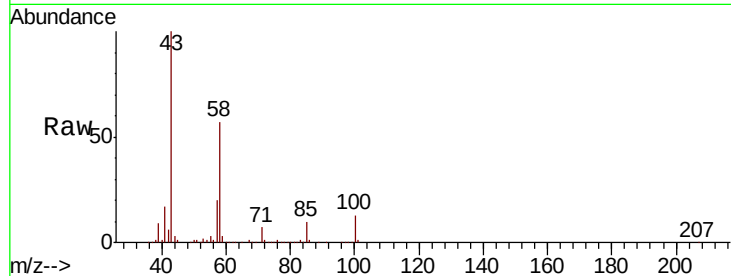
#59
2-Hexanone
Concen: 95.28 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	29.3	88.0

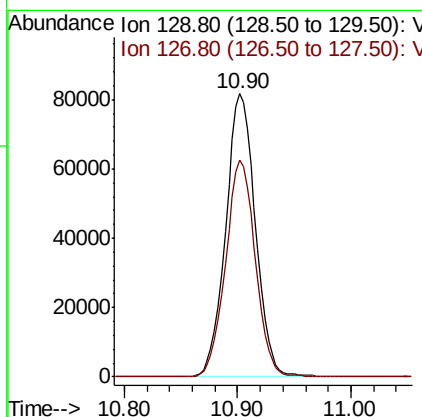
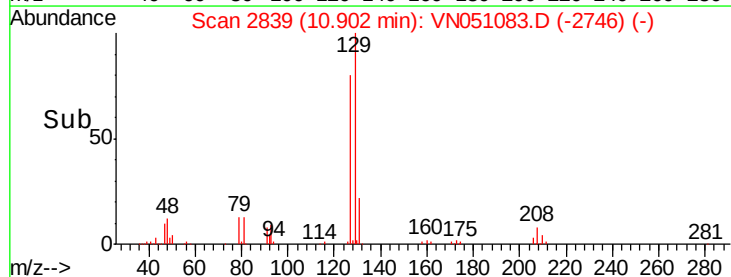
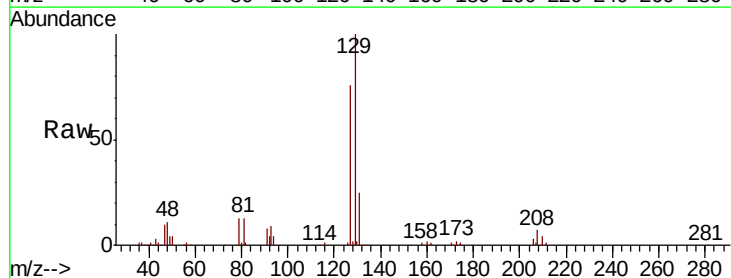
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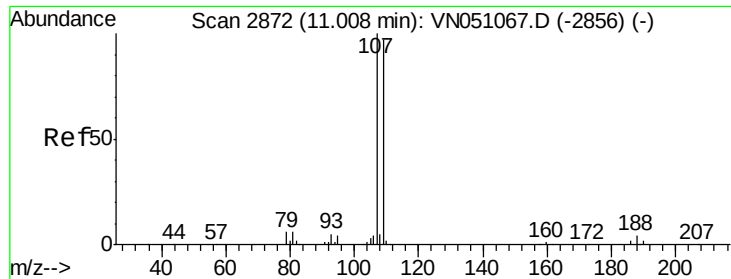
MMDadoda
9/11/2018 9:41:04 AM



#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.36 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion: 107 Resp: 130349

Ion Ratio Lower Upper

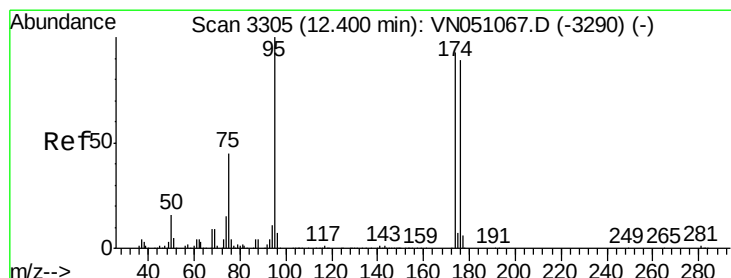
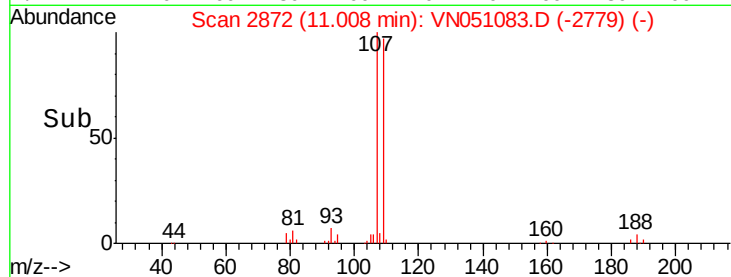
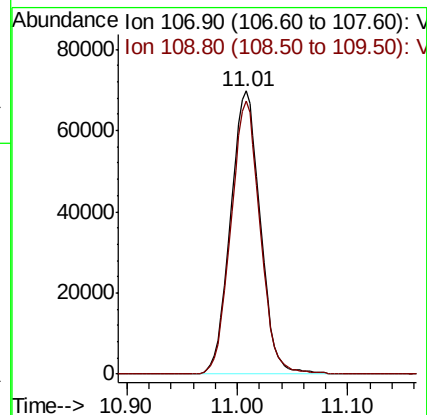
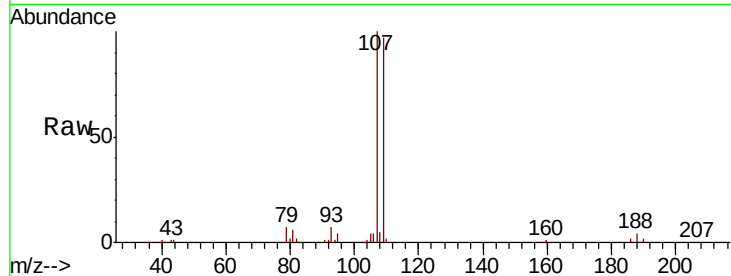
107 100

109 95.1 76.0 114.0

Manual Integrations
APPROVED

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9/11/2018 9:41:04 AM



#62

4-Bromofluorobenzene

Concen: 48.50 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

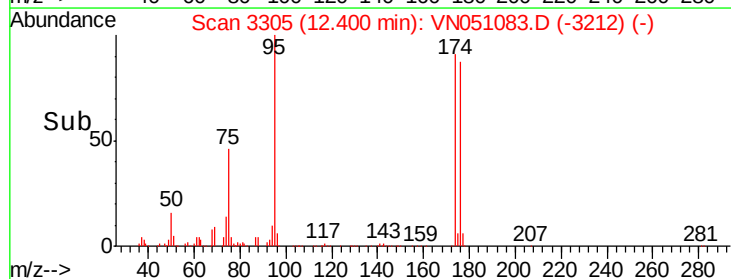
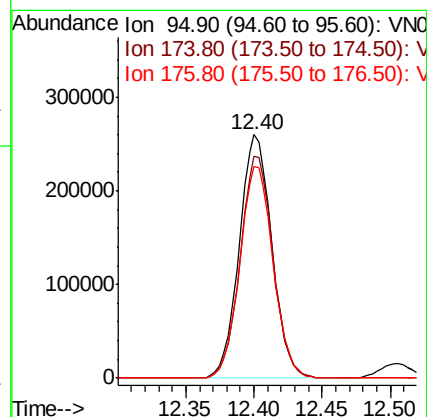
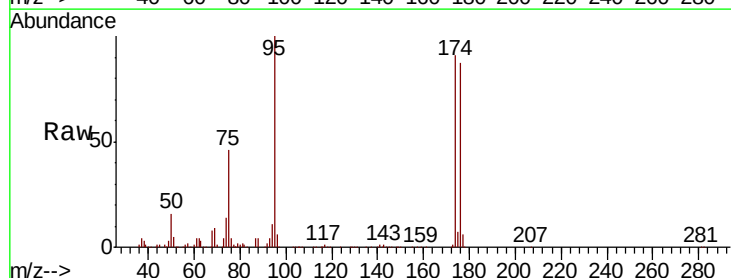
Tgt Ion: 95 Resp: 429959

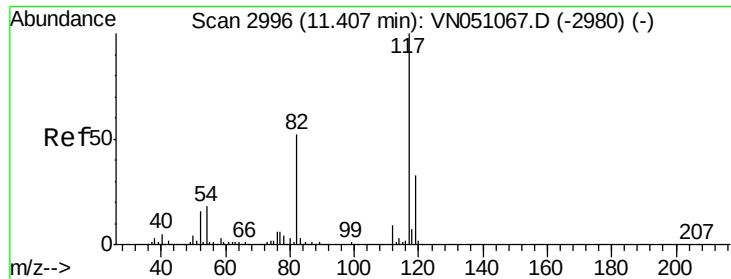
Ion Ratio Lower Upper

95 100

174 91.9 0.0 184.8

176 88.9 0.0 178.6





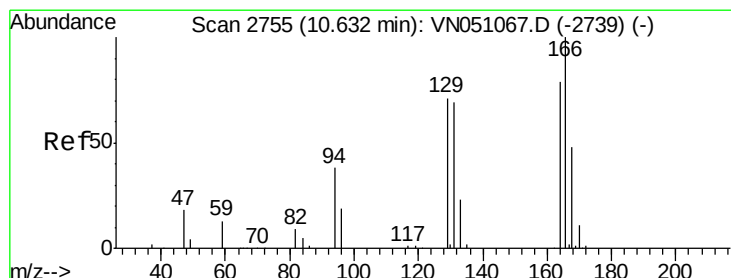
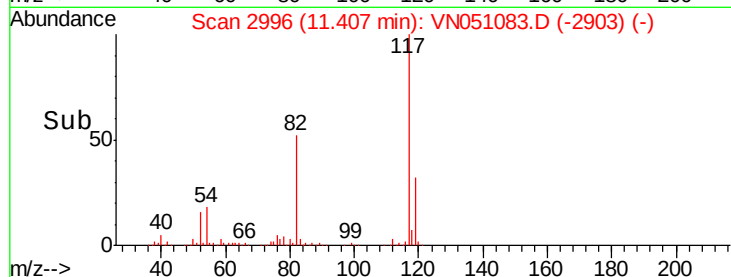
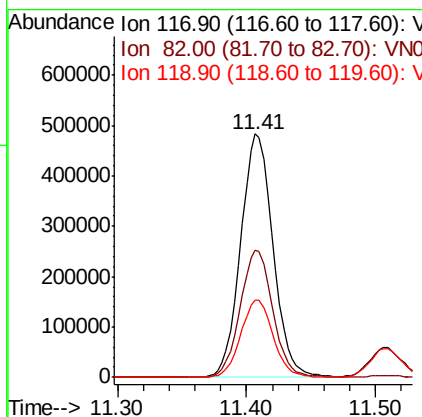
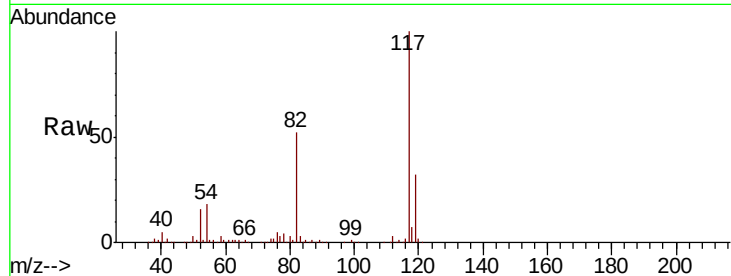
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.8	62.6
119	31.7	26.2	39.2

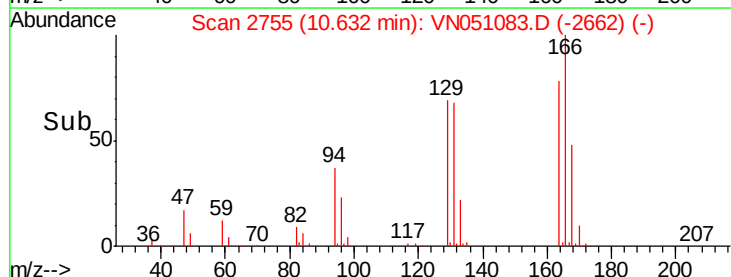
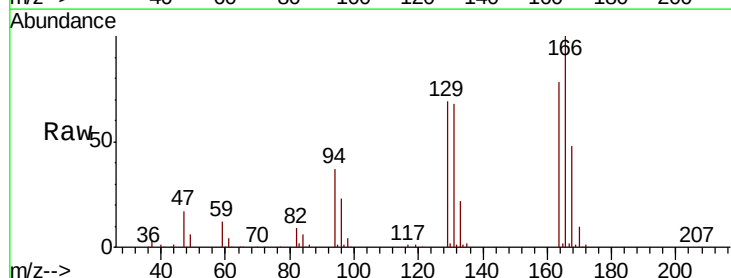
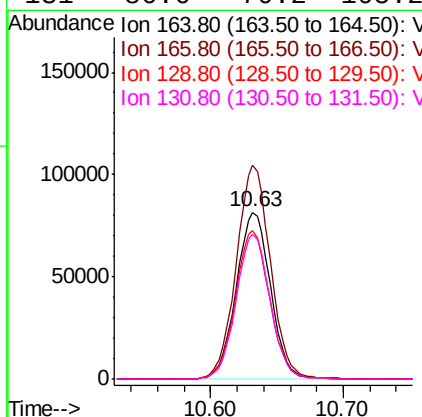
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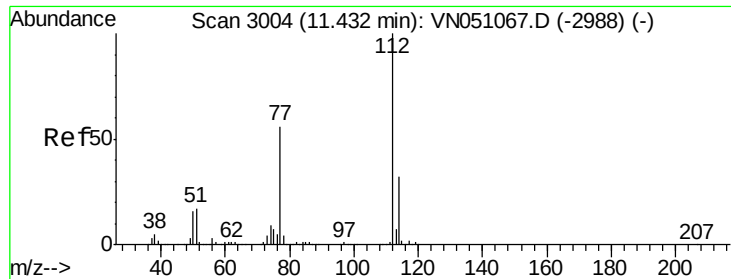
MMDadoda
9/11/2018 9:41:04 AM



#64
Tetrachloroethene
Concen: 18.94 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.3	151.9
129	88.9	72.2	108.2
131	86.6	70.2	105.2





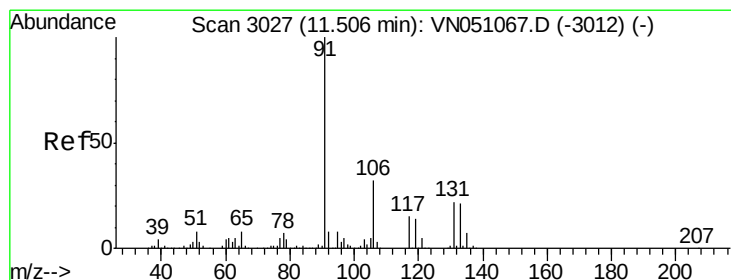
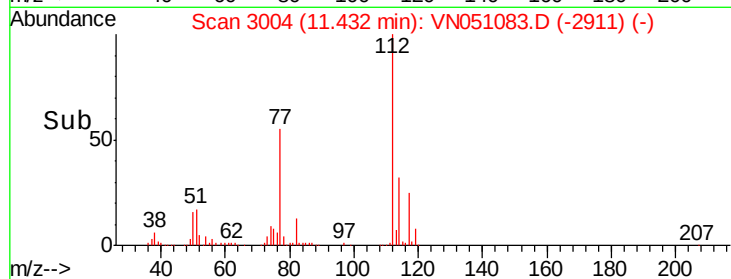
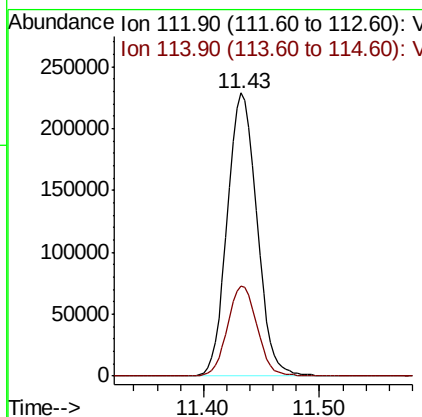
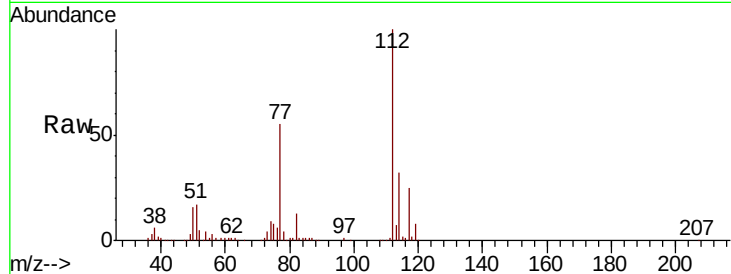
#65
Chlorobenzene
Concen: 18.99 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0910WBSD01

Tot Ion:112 Resp: 404287
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

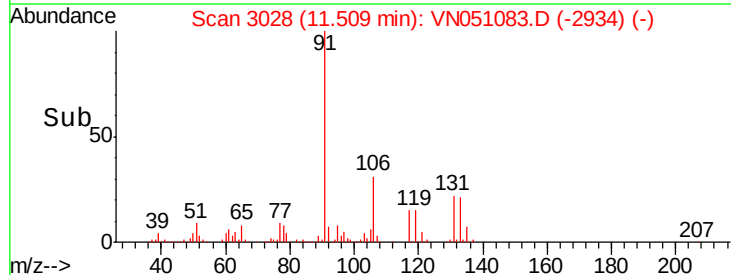
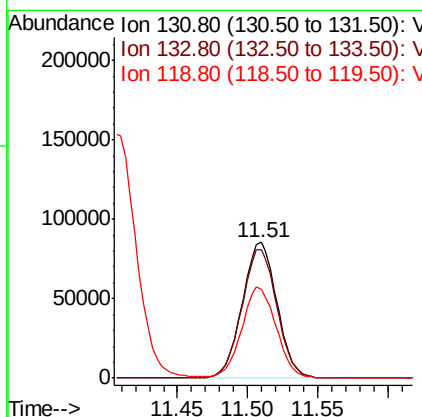
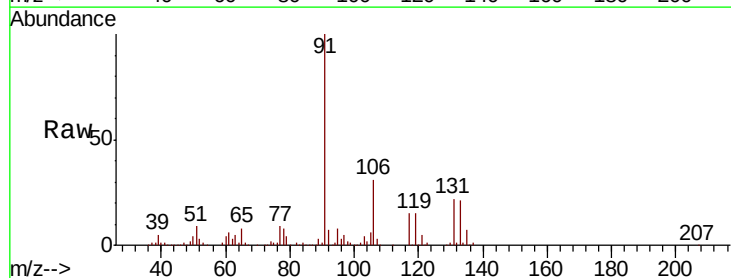
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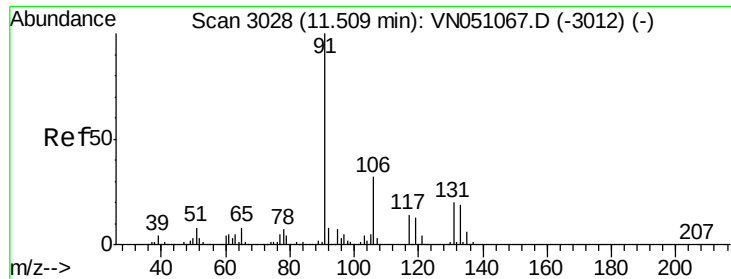
MMDadoda
9/11/2018 9:41:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.24 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion:131 Resp: 147458
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 66.9 33.2 99.6





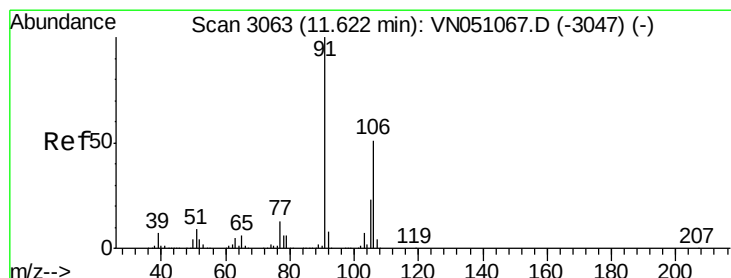
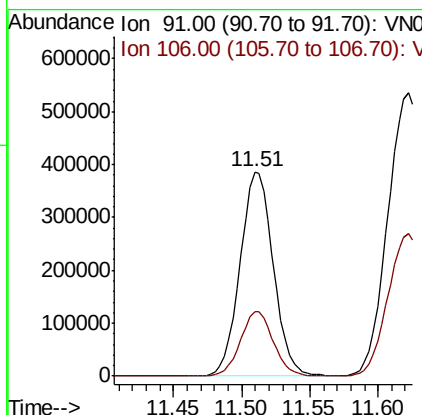
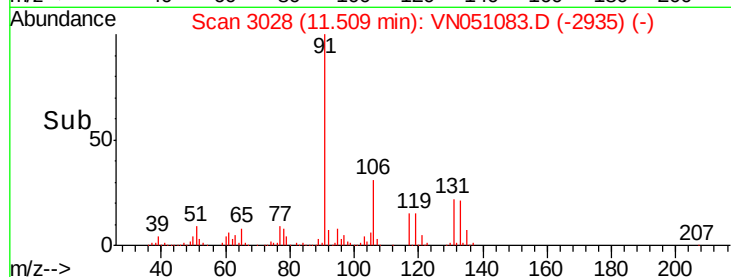
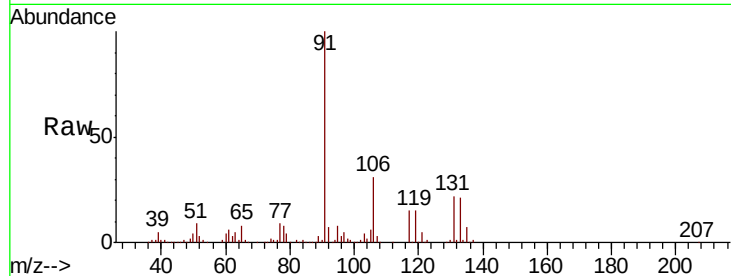
#67
Ethyl Benzene
Concen: 18.95 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.5	25.4	38.2	

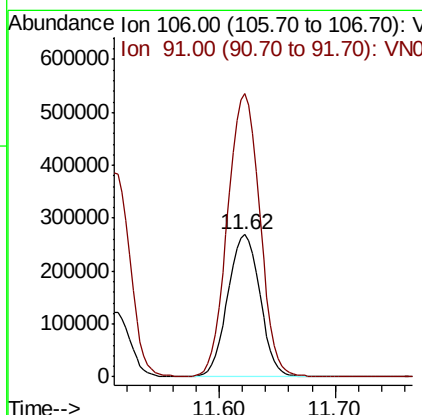
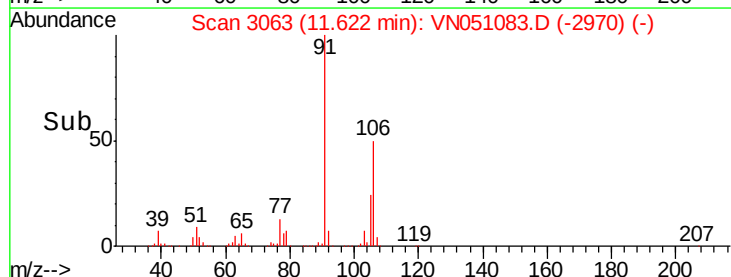
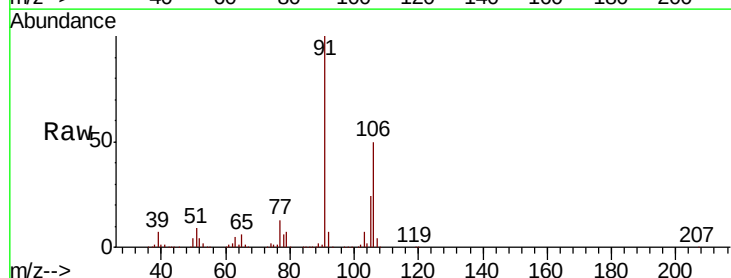
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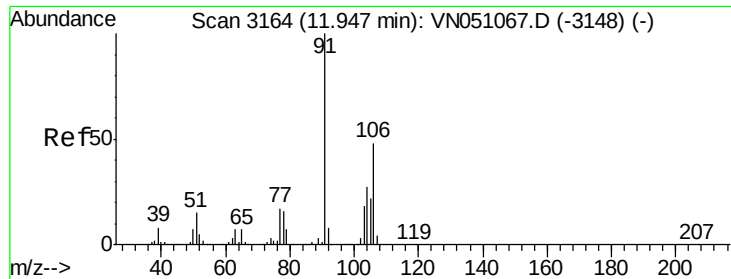
MMDadoda
9/11/2018 9:41:04 AM



#68
m/p-Xylenes
Concen: 39.31 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.0	159.8	239.6	





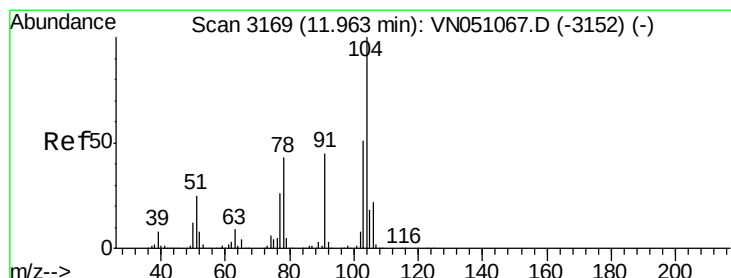
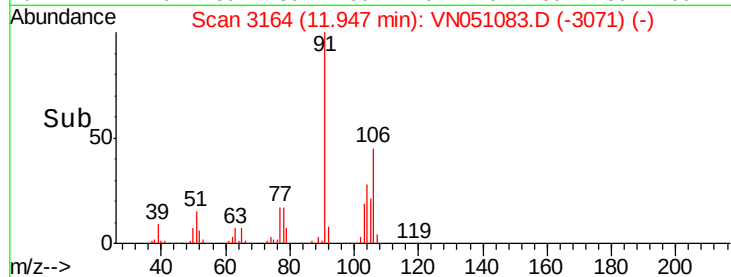
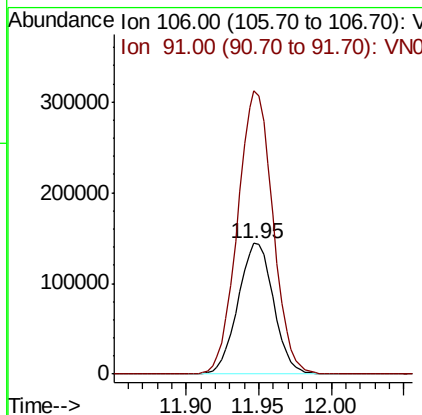
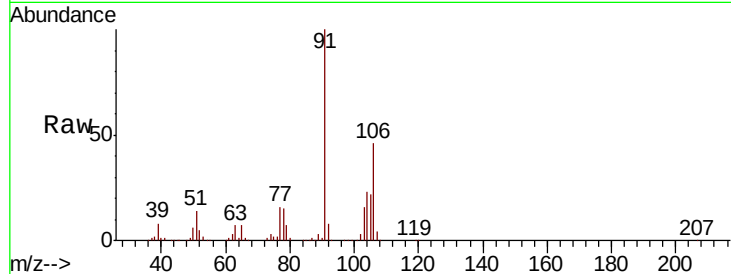
#69
o-Xylene
Concen: 19.16 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	245753		
91	91	215.1	105.1	315.1	

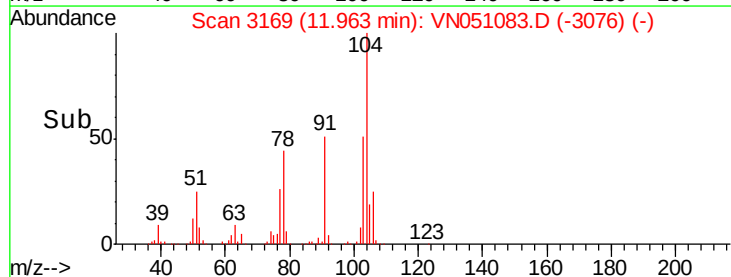
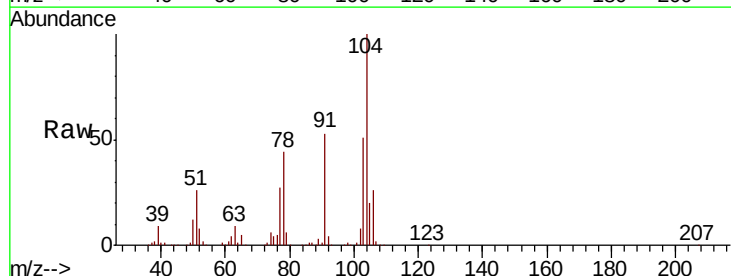
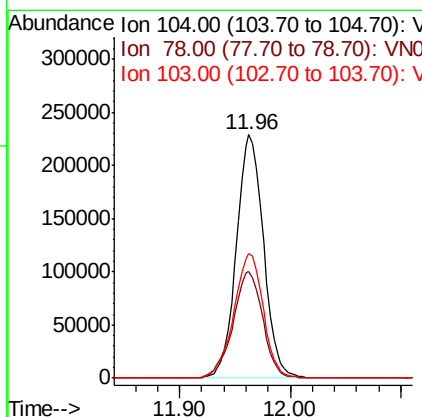
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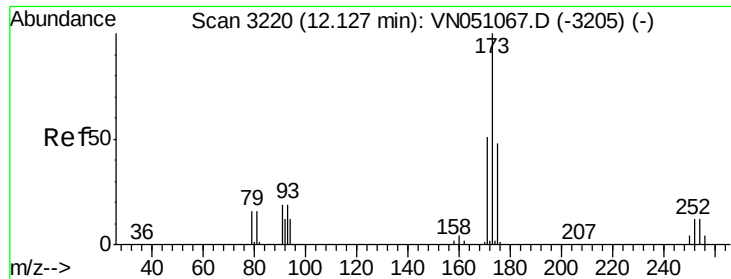
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#70
Styrene
Concen: 19.59 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	389842		
78	78	48.0	37.7	56.5	
103	103	55.8	44.6	67.0	





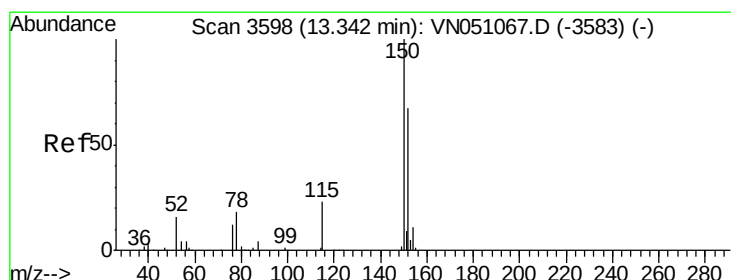
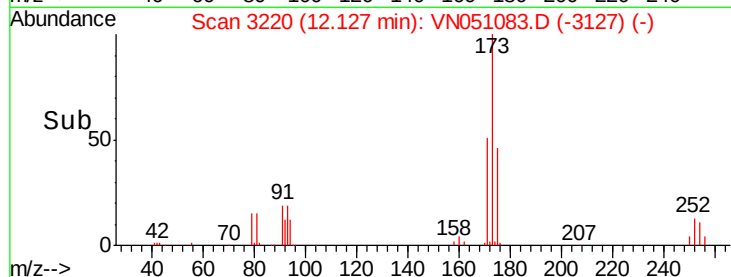
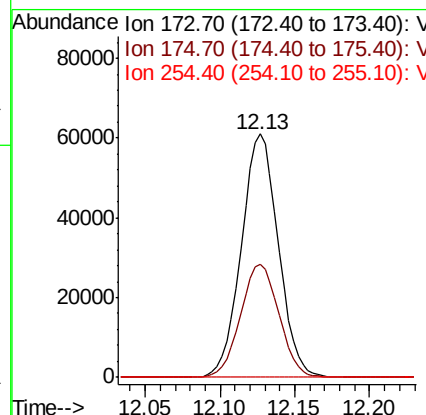
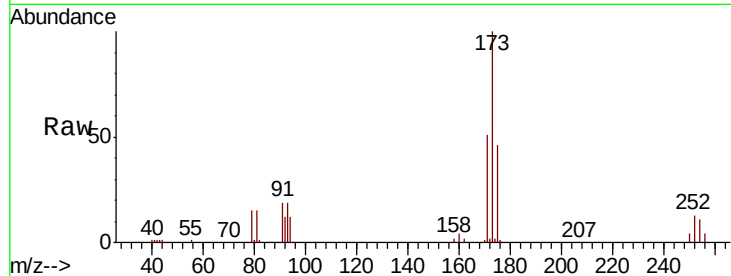
#71
Bromoform
Concen: 19.41 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.0	0.0	0.0

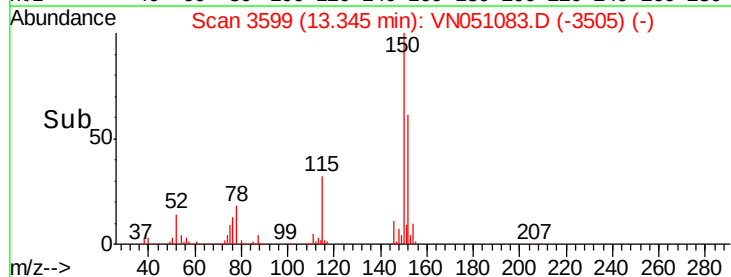
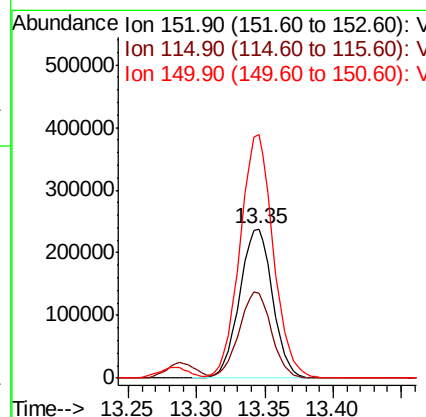
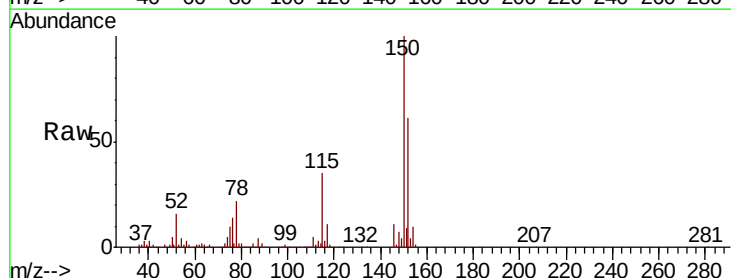
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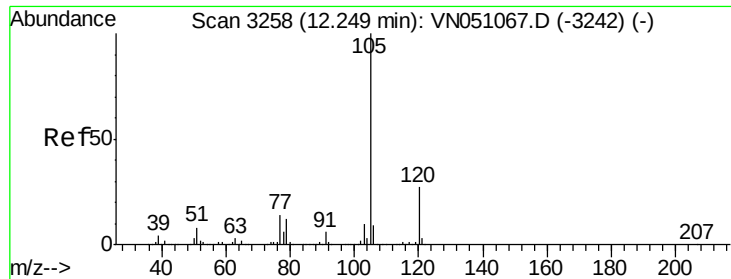
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.2	84.7
150	165.0	0.0	349.0





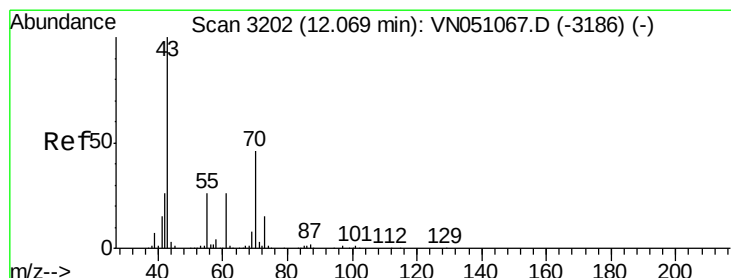
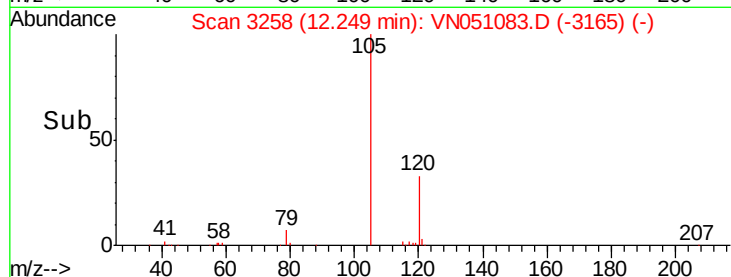
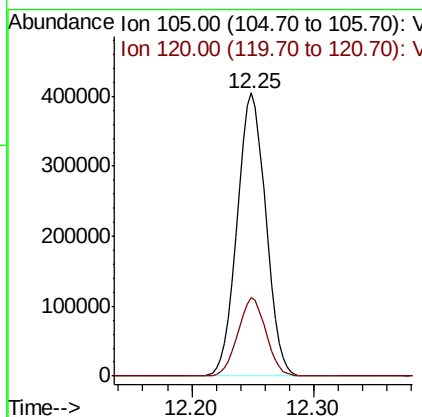
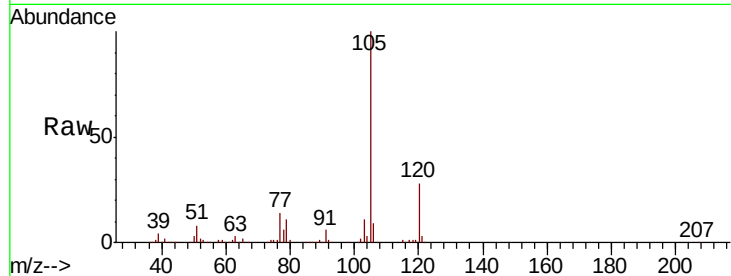
#73
Isopropylbenzene
Concen: 19.61 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	655961		
120	27.1		13.6	40.7

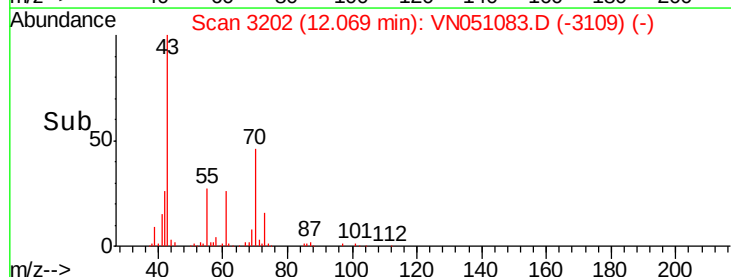
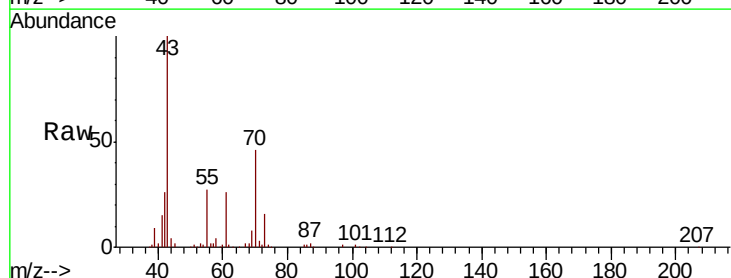
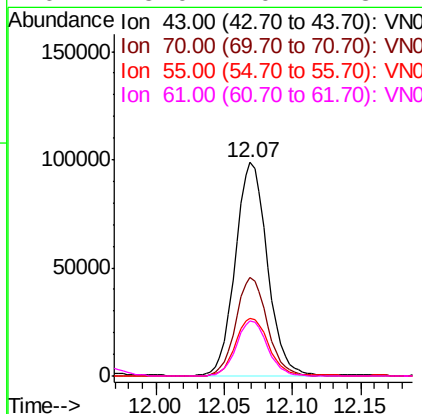
Manual Integrations
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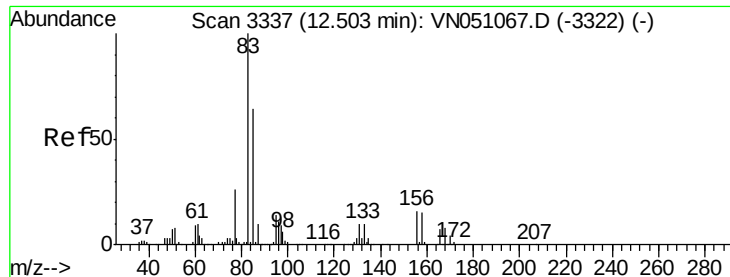
MMDadoda
9/11/2018 9:41:04 AM



#74
N-ethyl acetate
Concen: 19.08 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	160655		
70	45.4		37.0	55.4
55	28.1		21.3	31.9
61	25.0		20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.48 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

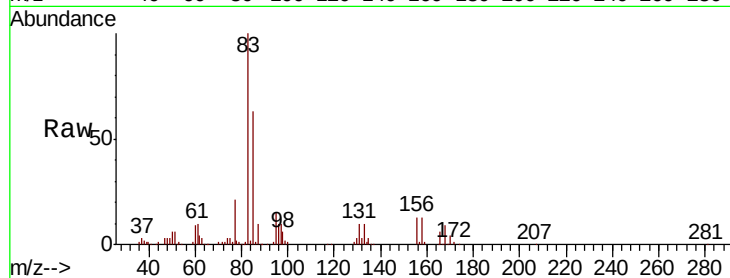
ClientSampleId :

VN0910WBSD01

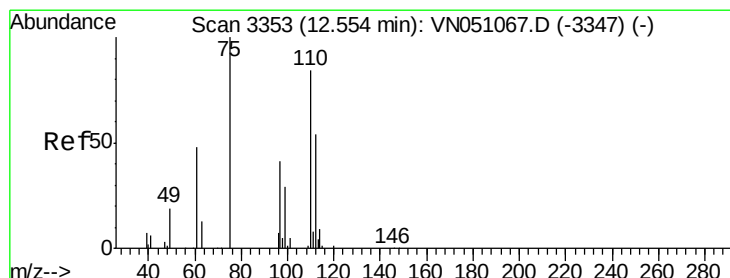
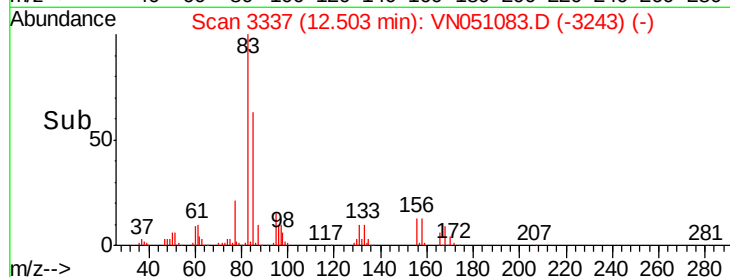
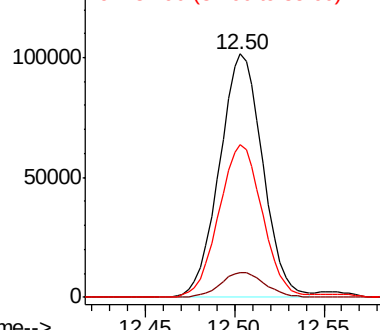
Tot Ion:	83	Resp:	171819
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	63.3	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 20.64 ug/l m

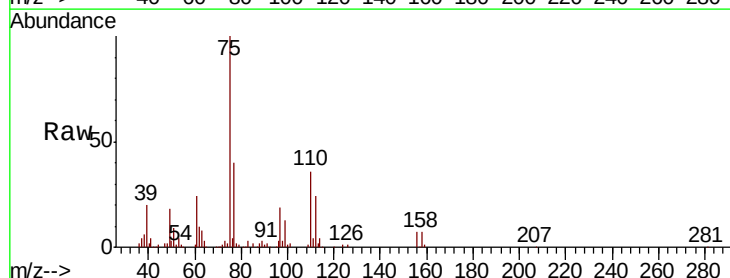
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

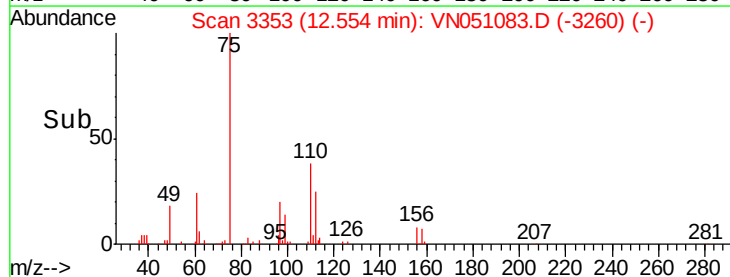
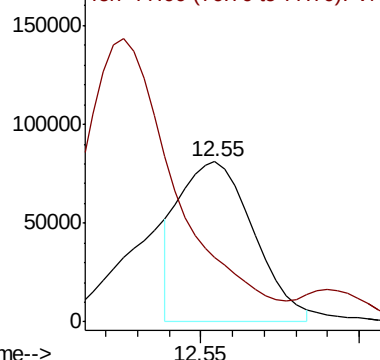
Lab File: VN051083.D

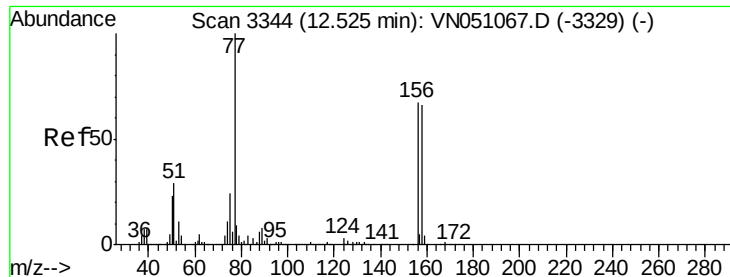
Acq: 10 Sep 2018 17:23

Tgt Ion:	75	Resp:	133051
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3347) (-)





#77

Bromobenzene

Concen: 18.99 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

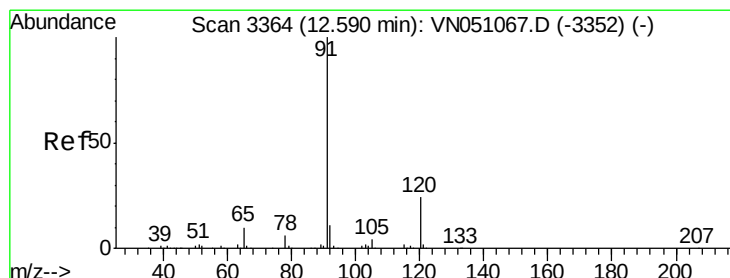
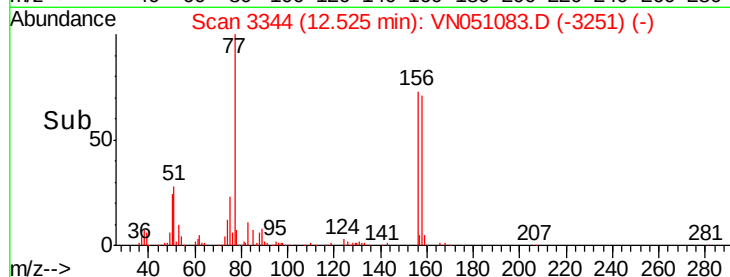
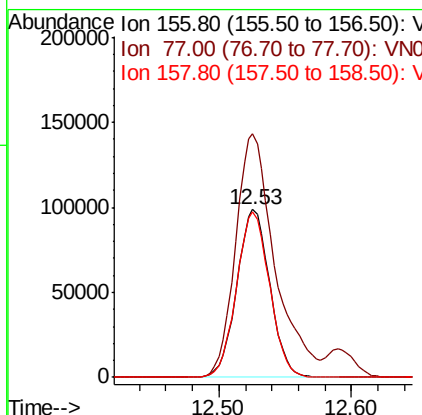
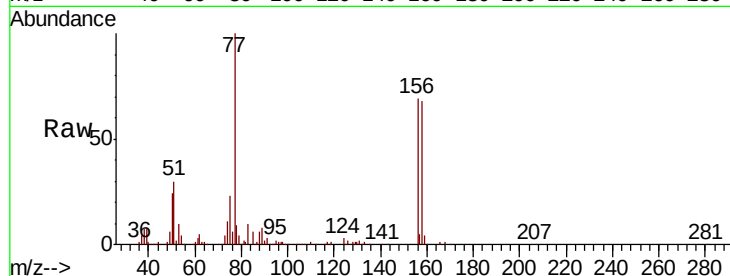
ClientSampleId :

VN0910WBSD01

Tot Ion:	156	Resp:	170635
Ion Ratio	Lower	Upper	
156	100		
77	173.7	87.5	262.6
158	98.6	49.0	147.2

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#78

n-propylbenzene

Concen: 19.49 ug/l

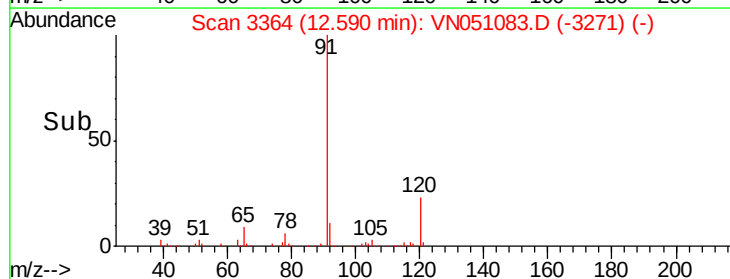
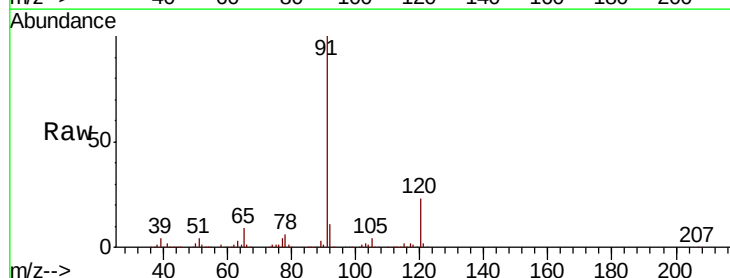
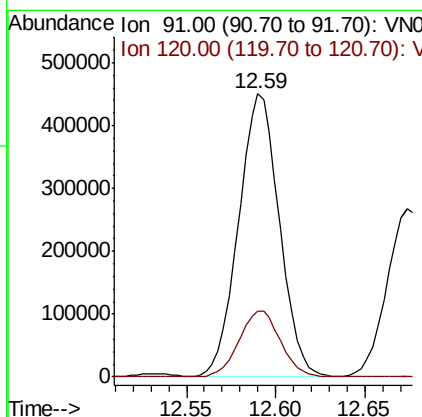
RT: 12.59 min Scan# 3364

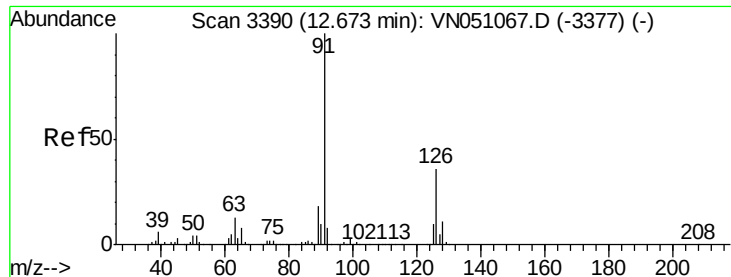
Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Tgt Ion:	91	Resp:	716729
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.16 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0910WBSD01

Tot Ion: 91 Resp: 440409

Ion Ratio Lower Upper

91 100

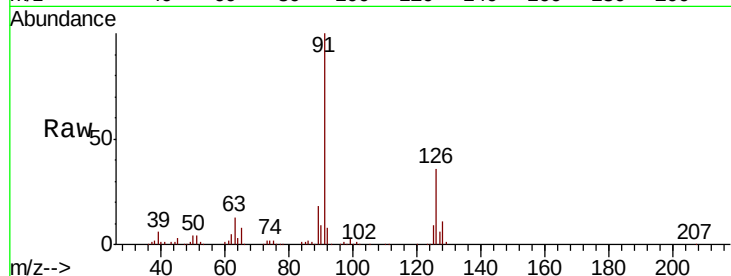
126 36.6 17.9 53.7

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

Ion 125.90 (125.60 to 126.60): VN051067.D (-3377) (-)

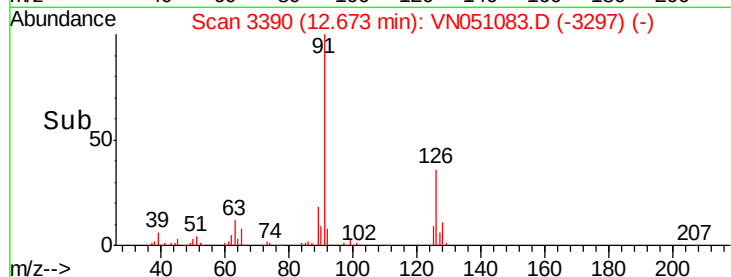
300000

200000

100000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.81 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051083.D

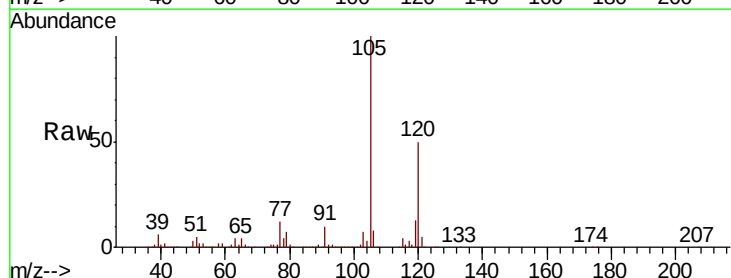
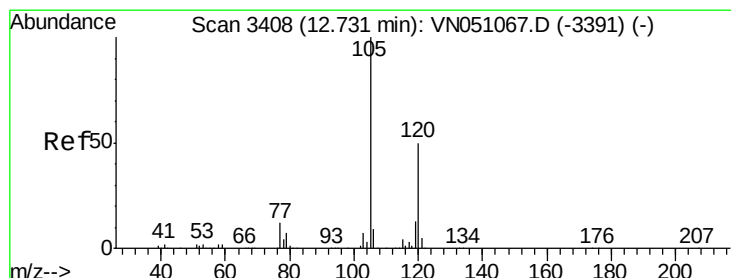
Acq: 10 Sep 2018 17:23

Tgt Ion: 105 Resp: 535749

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6



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

Ion 120.00 (119.70 to 120.70): VN051067.D (-3391) (-)

400000

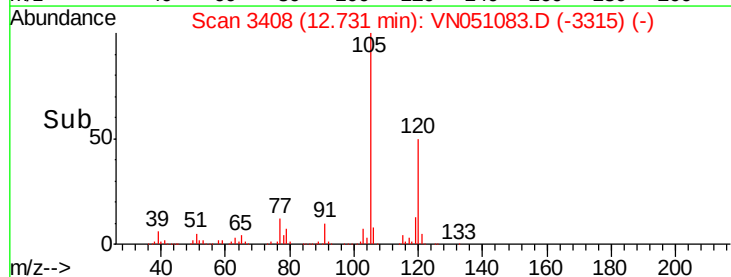
300000

200000

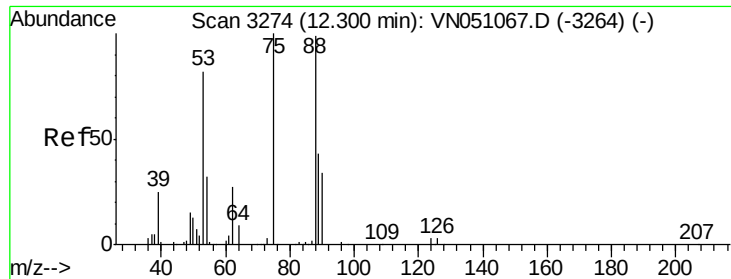
100000

0

12.60 12.70 12.80



Time--> 12.60 12.70 12.80



#81

trans-1,4-Dichloro-2-butene

Concen: 19.38 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

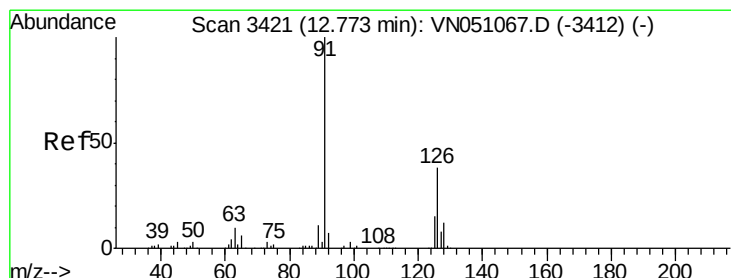
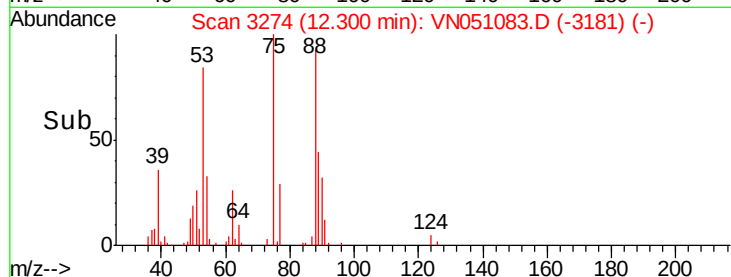
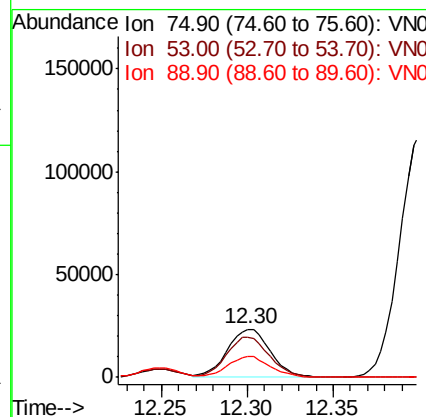
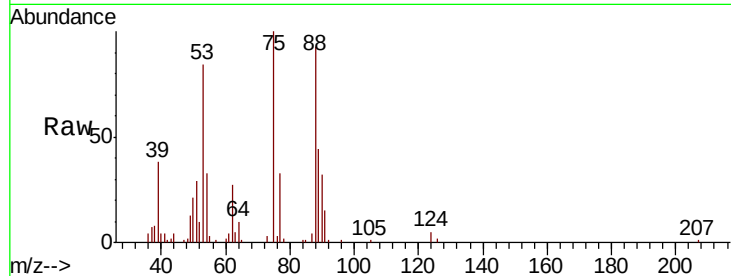
ClientSampleId :

VN0910WBSD01

Tot Ion:	75	Resp:	40705
Ion	Ratio	Lower	Upper
75	100		
53	84.0	67.8	101.8
89	43.3	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.88 ug/l

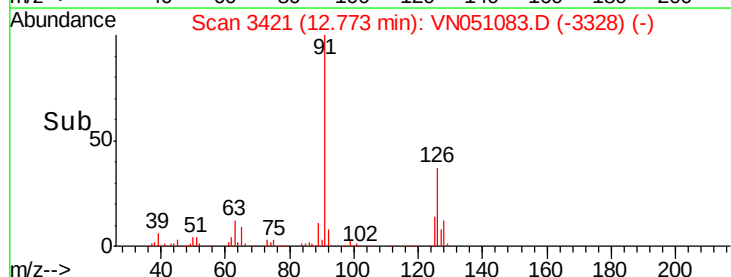
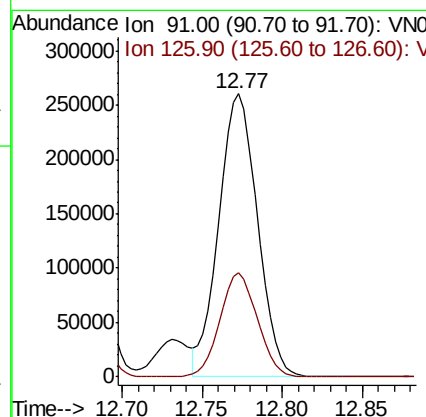
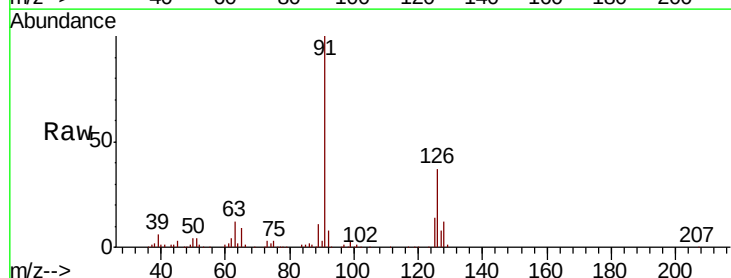
RT: 12.77 min Scan# 3421

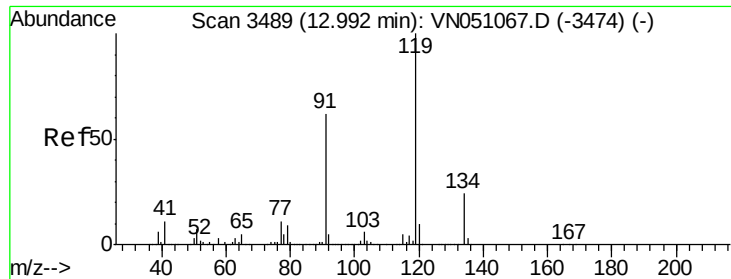
Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Tgt Ion:	91	Resp:	430749
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8





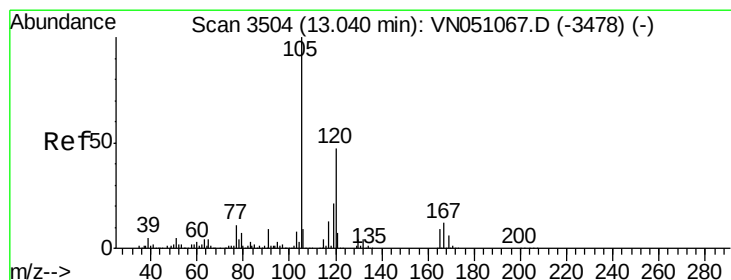
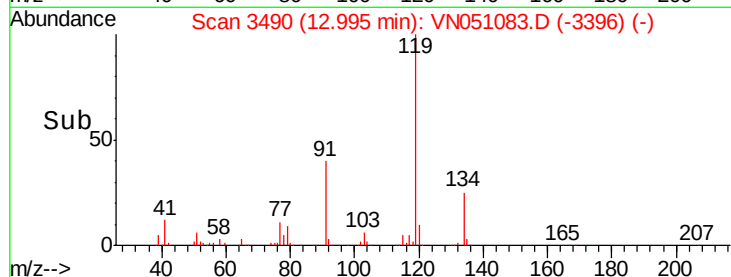
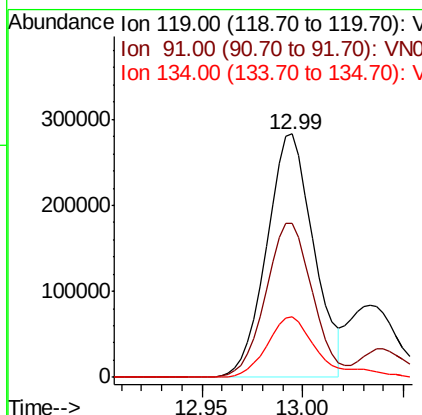
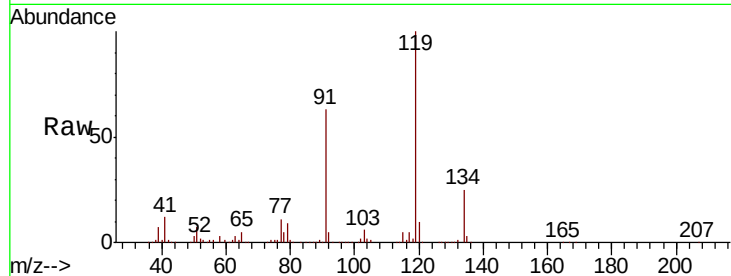
#83
 tert-Butylbenzene
 Concen: 19.16 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.8	92.3
134	27.2	13.2	39.6

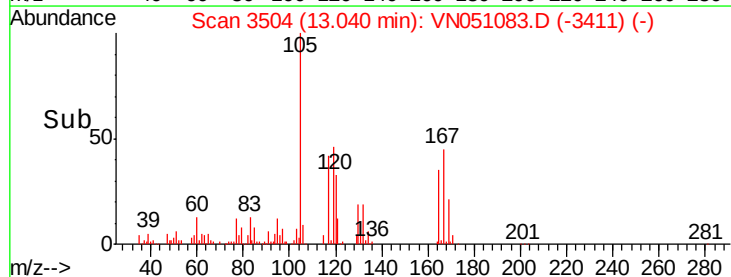
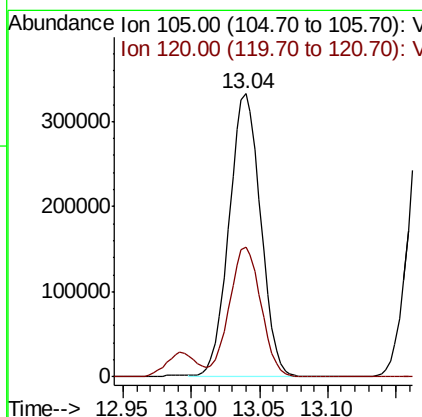
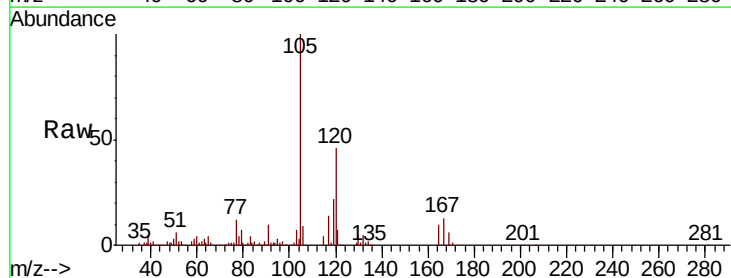
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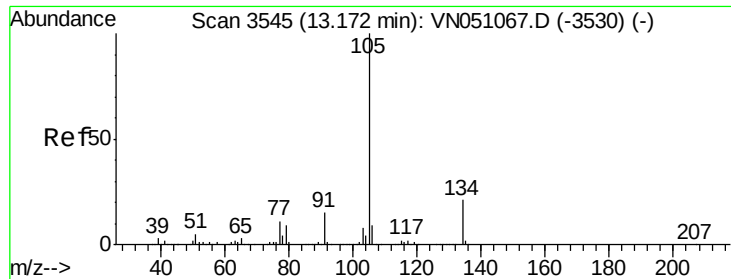
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 19.61 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBSD01

Tot Ion:105 Resp: 600289

Ion Ratio Lower Upper

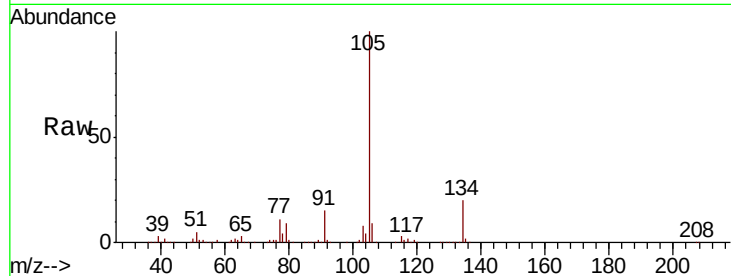
105 100

134 20.3 10.4 31.4

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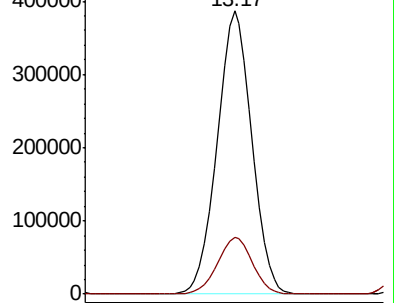
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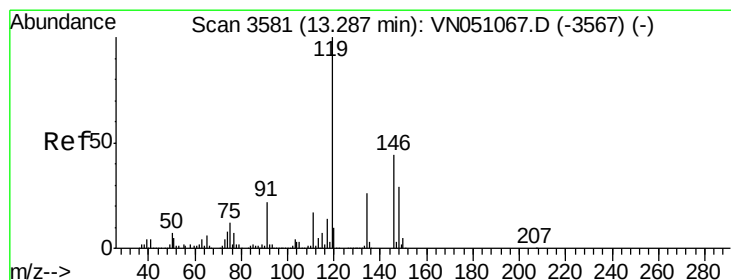
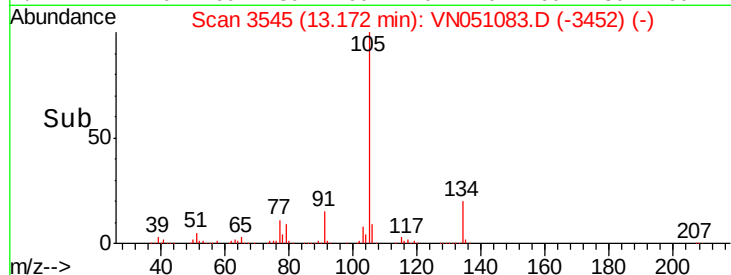


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.76 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051083.D

Acq: 10 Sep 2018 17:23

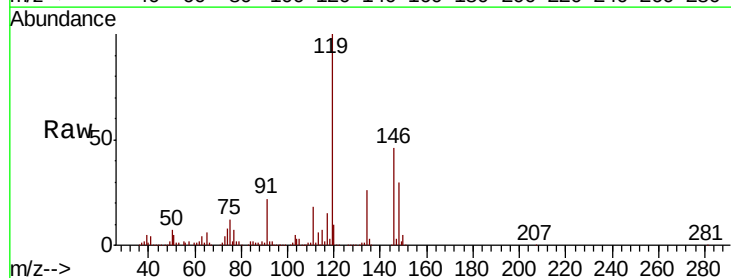
Tgt Ion:119 Resp: 512909

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

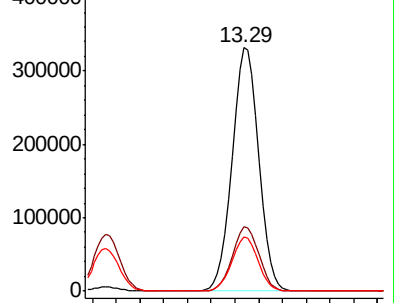
91 21.7 10.9 32.9



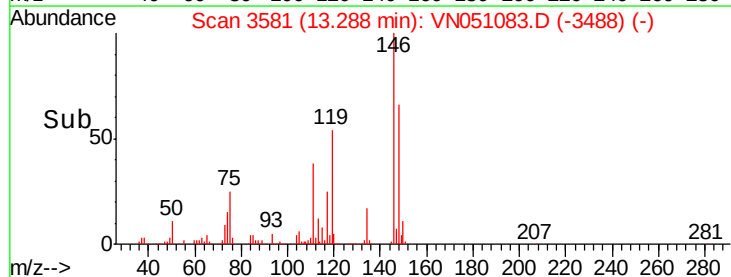
Abundance Ion 119.00 (118.70 to 119.70): V

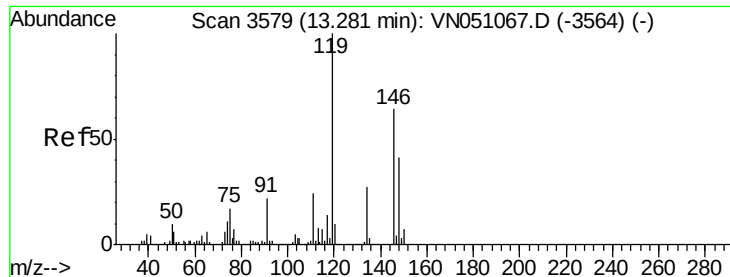
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





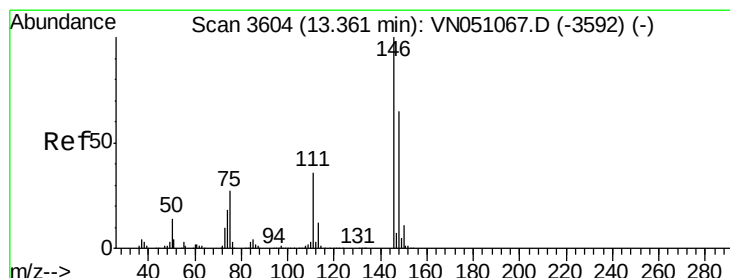
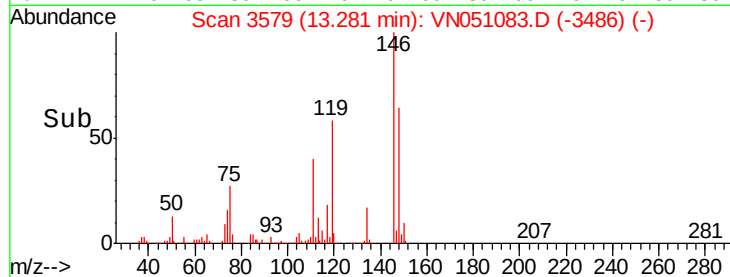
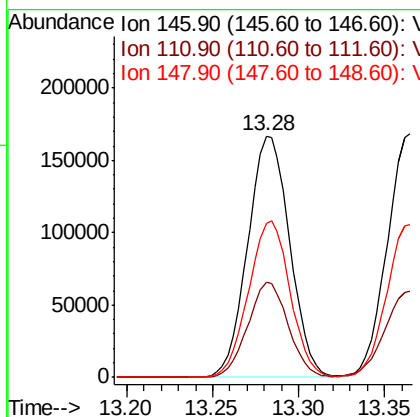
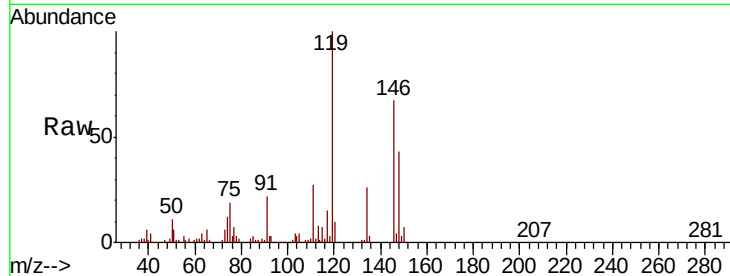
#87
 1,3-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.1	32.2	96.6

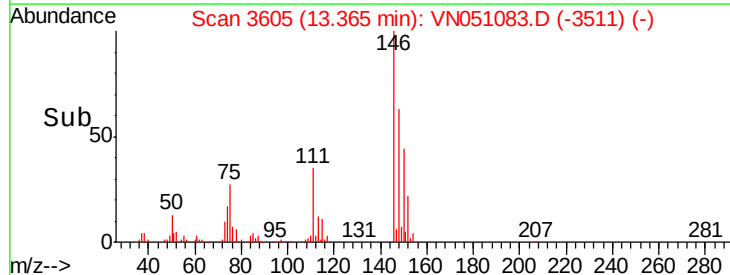
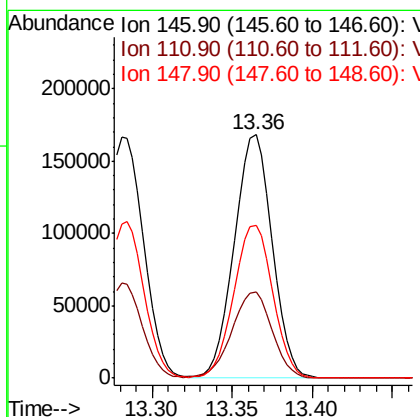
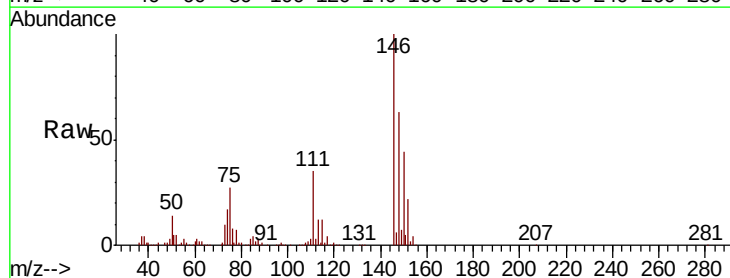
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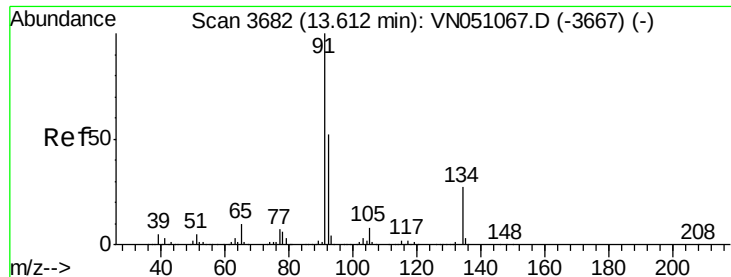
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#88
 1,4-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	64.6	32.2	96.6





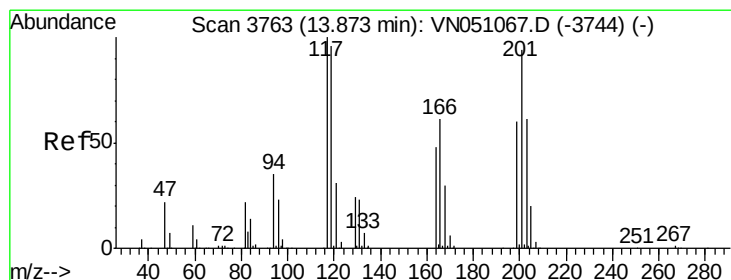
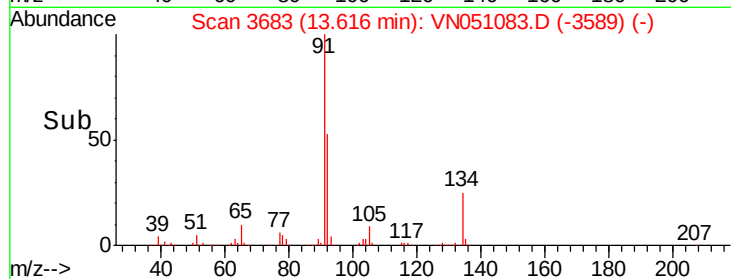
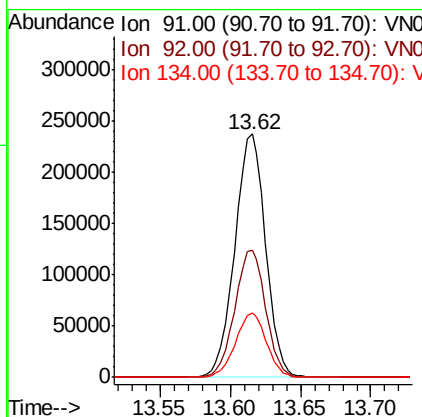
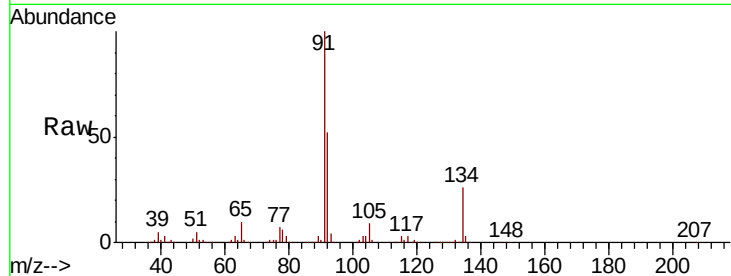
#89
n-Butylbenzene
Concen: 17.93 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	26.7	13.7	41.1

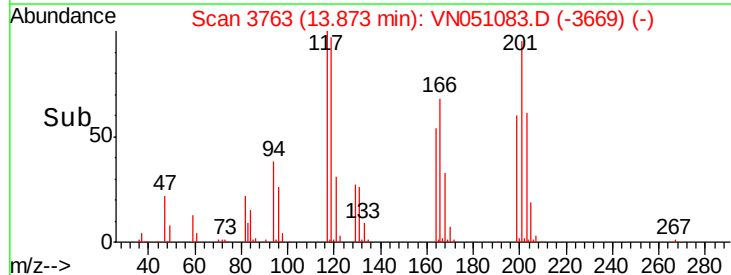
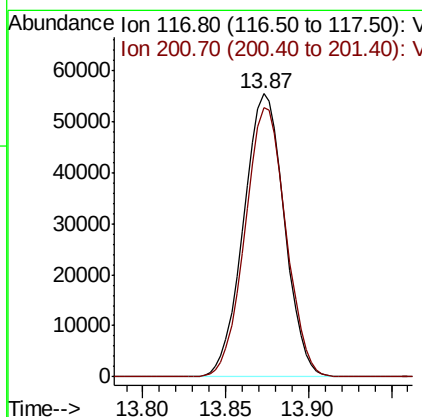
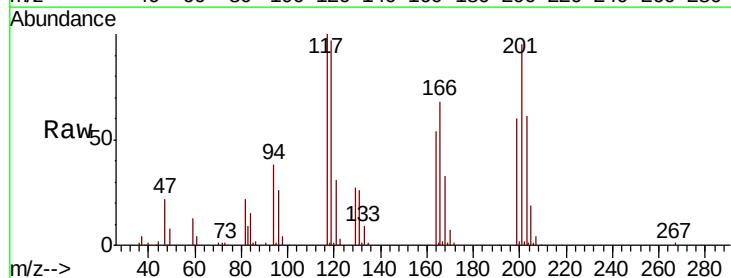
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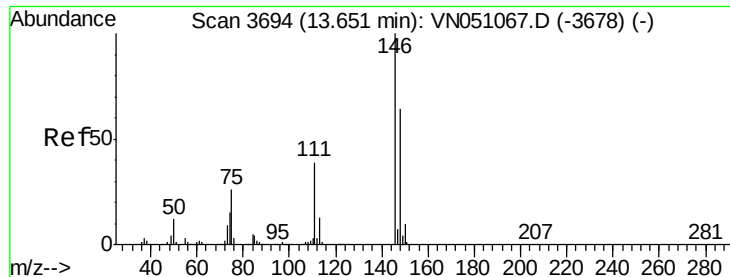
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#90
Hexachloroethane
Concen: 19.65 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	47.3	142.0





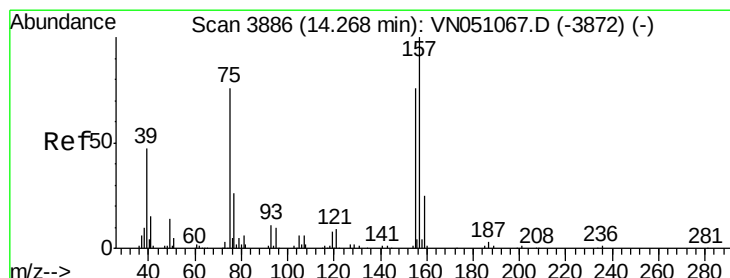
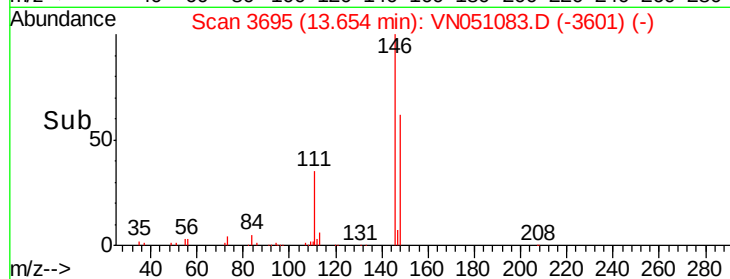
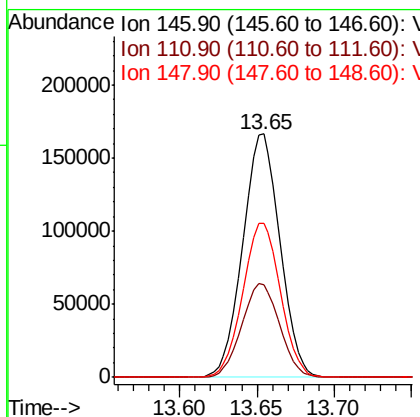
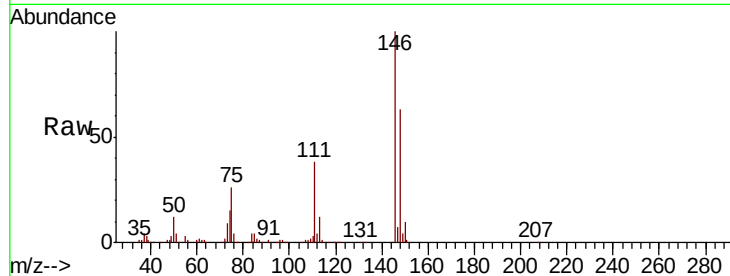
#91
 1,2-Dichlorobenzene
 Concen: 18.82 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	279586		
111	39.0		19.7	59.0
148	63.9		32.1	96.3

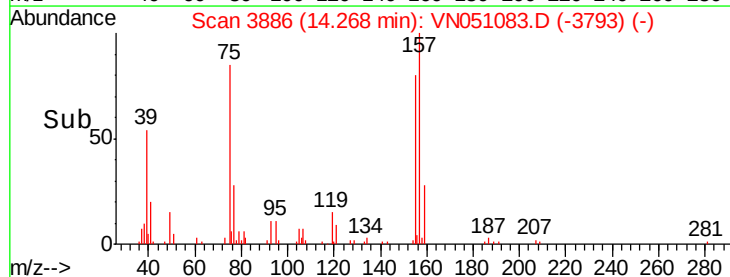
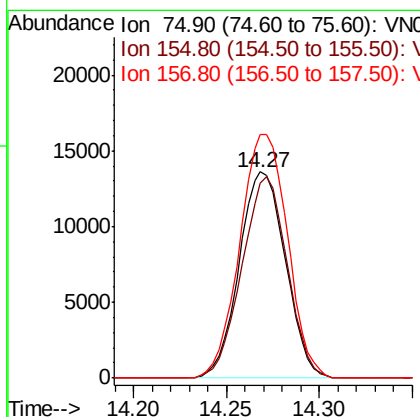
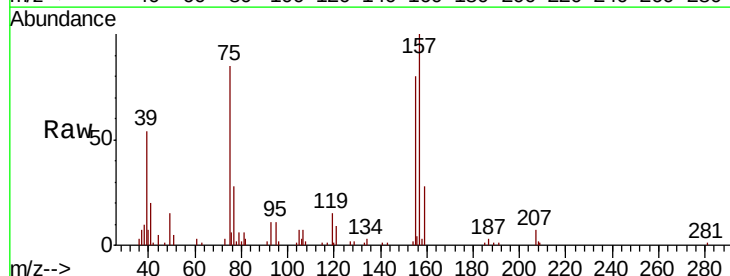
Manual Integrations
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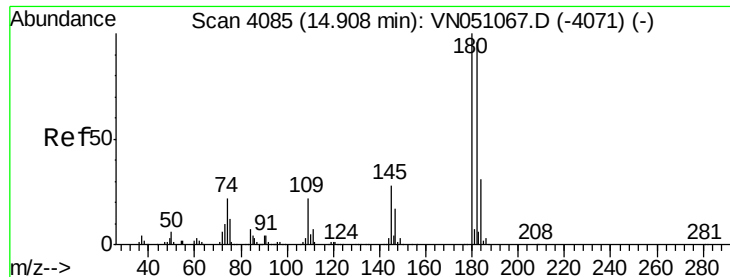
MMDadoda
 9/11/2018 9:41:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.05 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23612		
155	95.3		48.7	146.1
157	121.7		63.6	190.9





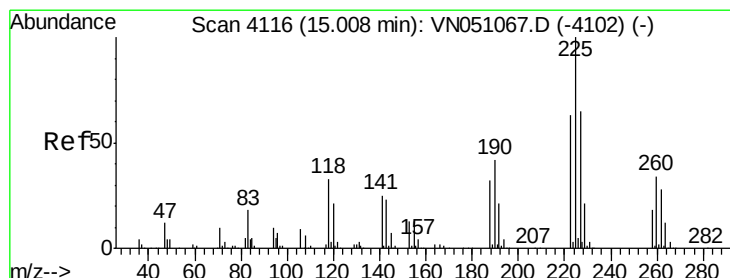
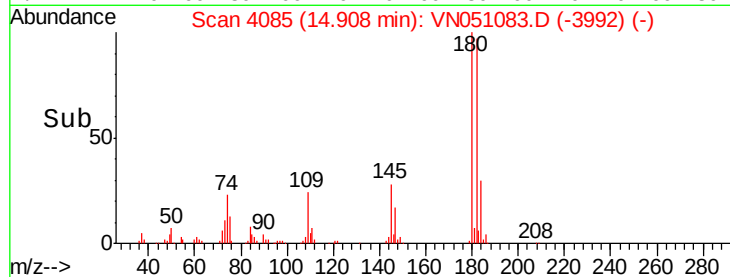
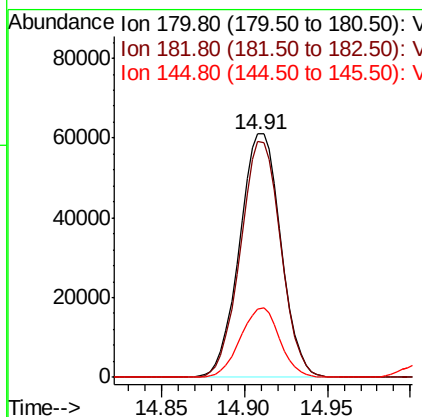
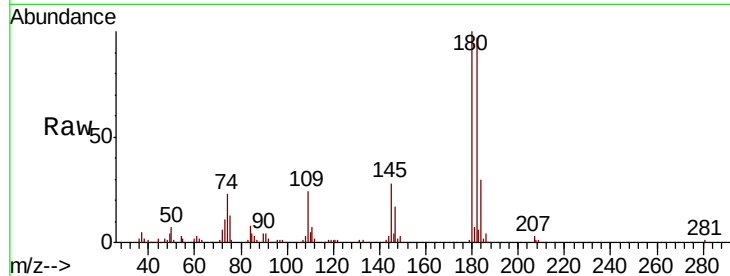
#93
 1,2,4-Trichlorobenzene
 Concen: 17.54 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105754		
182	95.1	47.3	141.8	
145	27.4	14.2	42.6	

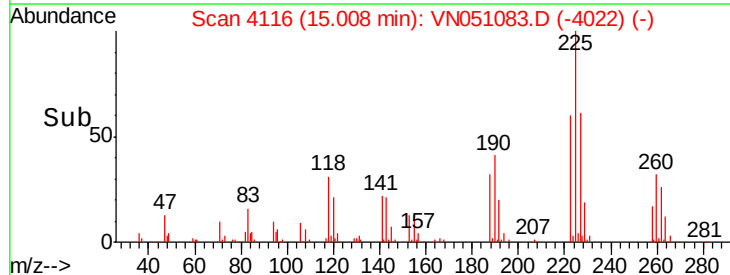
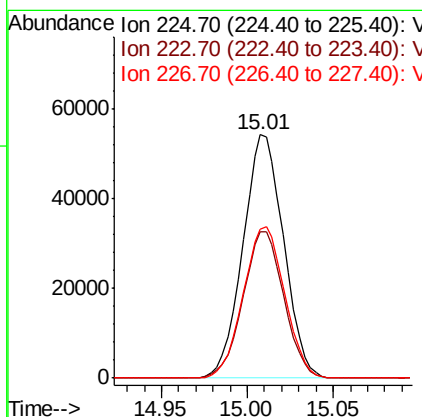
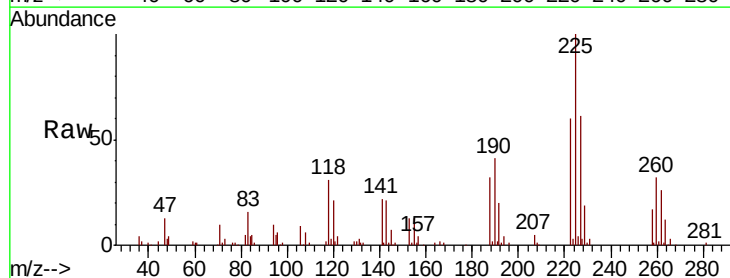
Manual Integrations
 APPROVED

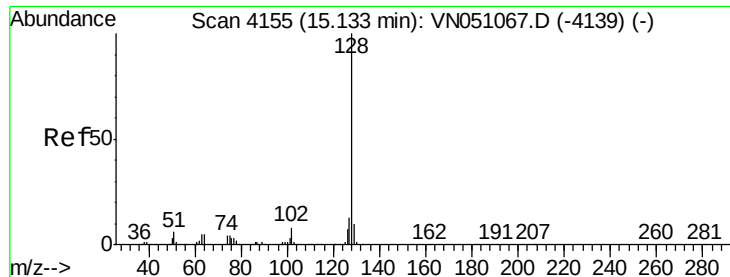
MMDadoda
 9/11/2018 9:41:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.54 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051083.D
 Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89209		
223	60.3	31.4	94.0	
227	63.1	32.1	96.3	





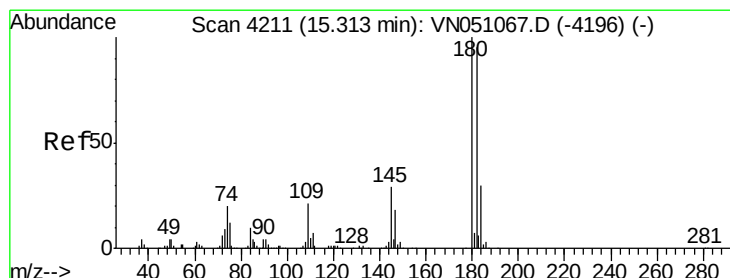
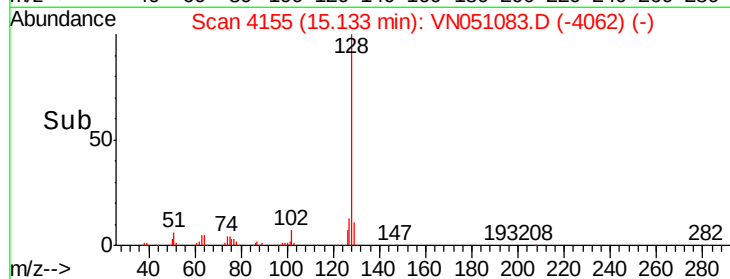
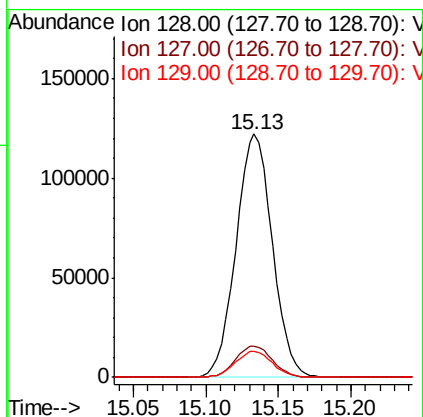
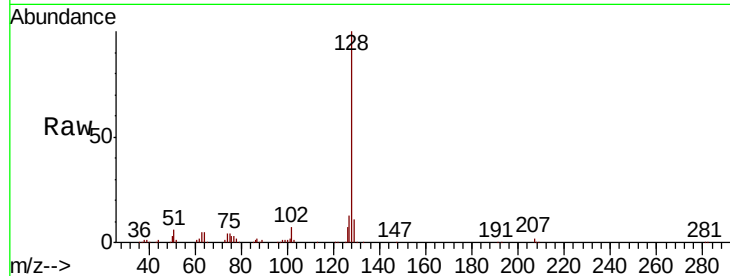
#95
Naphthalene
Concen: 17.99 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	212455		
127	13.1	10.6	15.8	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.61 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051083.D
Acq: 10 Sep 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114097		
182	94.8	47.8	143.3	
145	29.8	14.6	43.8	

