

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051163.D
 Acq On : 13 Sep 2018 11:28
 Operator : MD\SY
 Sample : VN0913WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 11:47:05 AM

Quant Time: Sep 14 02:03:24 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	578142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	746186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	349507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	340320	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	7.59	113	329045	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.09	98	1208741	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	383470	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	102055	18.30	ug/l	99
3) Chloromethane	2.06	50	138394	18.89	ug/l	98
4) Vinyl Chloride	2.18	62	140525	18.36	ug/l	98
5) Bromomethane	2.56	94	78498	17.54	ug/l	96
6) Chloroethane	2.70	64	86045	18.22	ug/l	98
7) Trichlorofluoromethane	3.01	101	200458	19.77	ug/l	98
8) Diethyl Ether	3.41	74	73544	19.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	125462	19.19	ug/l	100
10) Methyl Iodide	3.95	142	82305	17.58	ug/l	99
11) Tert butyl alcohol	4.80	59	53445	108.75	ug/l	99
12) 1,1-Dichloroethene	3.73	96	112974	18.32	ug/l	99
13) Acrolein	3.61	56	43300	89.46	ug/l	97
14) Allyl chloride	4.32	41	174530	18.58	ug/l	99
15) Acrylonitrile	5.00	53	239174	109.84	ug/l	99
16) Acetone	3.82	43	177919	108.54	ug/l	100
17) Carbon Disulfide	4.05	76	326340	18.03	ug/l	98
18) Methyl Acetate	4.33	43	117579	22.82	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	331439	20.33	ug/l	99
20) Methylene Chloride	4.55	84	135213	19.03	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123152	18.41	ug/l	97
22) Diisopropyl ether	5.96	45	393667	21.11	ug/l	99
23) Vinyl Acetate	5.90	43	1307088	103.56	ug/l	99
24) 1,1-Dichloroethane	5.85	63	233902	19.77	ug/l	100
25) 2-Butanone	6.84	43	264108	104.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	182876	18.88	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	141010	19.22	ug/l	99
28) Bromochloromethane	7.20	49	95319	18.10	ug/l	99
29) Tetrahydrofuran	7.22	42	176392	111.66	ug/l	99
30) Chloroform	7.37	83	238906	20.30	ug/l	100
31) Cyclohexane	7.65	56	199517	18.77	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	200093	19.95	ug/l	100
36) 1,1-Dichloropropene	7.79	75	170116	18.52	ug/l	99
37) Ethyl Acetate	6.93	43	116692	21.93	ug/l	98
38) Carbon Tetrachloride	7.78	117	180156	19.92	ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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Quant Time: Sep 14 02:03:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	179954	17.75	ug/l	99
40) Benzene	8.04	78	535781	19.35	ug/l	98
41) Methacrylonitrile	7.18	41	58011	21.13	ug/l	97
42) 1,2-Dichloroethane	8.13	62	163837	20.30	ug/l	98
43) Isopropyl Acetate	8.17	43	211760	22.55	ug/l	97
44) Trichloroethene	8.84	130	142954	18.88	ug/l	96
45) 1,2-Dichloropropane	9.12	63	140958	19.70	ug/l	98
46) Dibromomethane	9.21	93	87136	19.96	ug/l	99
47) Bromodichloromethane	9.40	83	179160	20.19	ug/l	99
48) Methyl methacrylate	9.20	41	97454	21.30	ug/l	98
49) 1,4-Dioxane	9.20	88	31466	438.56	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	591357	113.90	ug/l	99
52) Toluene	10.16	92	337085	19.97	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176136	19.83	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	204294	19.62	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	132838	21.66	ug/l	98
56) Ethyl methacrylate	10.43	69	154917	20.36	ug/l	99
57) 1,3-Dichloropropane	10.71	76	207834	20.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	301987	97.20	ug/l	99
59) 2-Hexanone	10.75	43	384901	109.31	ug/l	97
60) Dibromochloromethane	10.90	129	141578	20.48	ug/l	100
61) 1,2-Dibromoethane	11.01	107	121934	20.34	ug/l	98
64) Tetrachloroethene	10.63	164	129323	18.99	ug/l	98
65) Chlorobenzene	11.44	112	363466	19.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	139813	20.65	ug/l	99
67) Ethyl Benzene	11.51	91	587399	19.28	ug/l	99
68) m/p-Xylenes	11.62	106	461431	39.43	ug/l	99
69) o-Xylene	11.95	106	223235	19.70	ug/l	100
70) Styrene	11.96	104	351322	19.98	ug/l	99
71) Bromoform	12.13	173	100155	21.01	ug/l #	100
73) Isopropylbenzene	12.25	105	586953	20.03	ug/l	100
74) N-amyl acetate	12.07	43	149645	20.29	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166463	23.92	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140324m	25.16	ug/l	
77) Bromobenzene	12.53	156	152831	19.41	ug/l	98
78) n-propylbenzene	12.59	91	635373	19.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	394225	19.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	474465	20.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36936	20.07	ug/l	92
82) 4-Chlorotoluene	12.77	91	383401	19.18	ug/l	100
83) tert-Butylbenzene	12.99	119	405108	19.36	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	471775	20.25	ug/l	100
85) sec-Butylbenzene	13.17	105	526425	19.62	ug/l	99
86) p-Isopropyltoluene	13.29	119	449448	19.76	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	245181	18.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	237543	19.38	ug/l	98
89) n-Butylbenzene	13.62	91	313837	17.73	ug/l	99
90) Hexachloroethane	13.88	117	87585	20.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	246575	18.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22562	22.90	ug/l	96

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ClientSampleId :
VN0913WBSD01

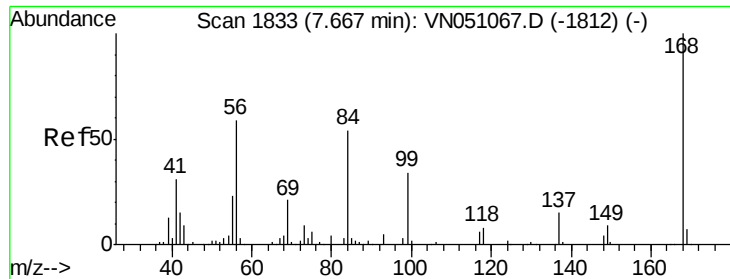
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87005	16.71	ug/l	99
94) Hexachlorobutadiene	15.01	225	77130	19.26	ug/l	98
95) Naphthalene	15.13	128	176608	17.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	94823	17.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion:168 Resp: 578142

Ion Ratio Lower Upper

168 100

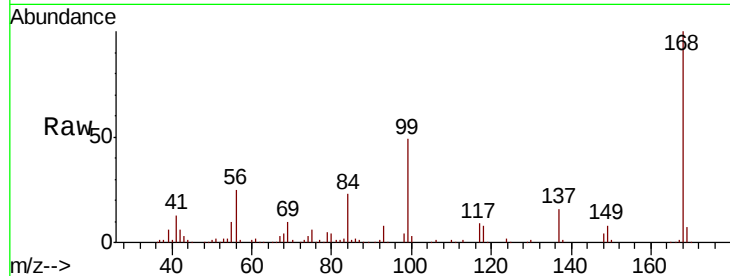
99 49.3 38.3 57.5

Manual Integrations

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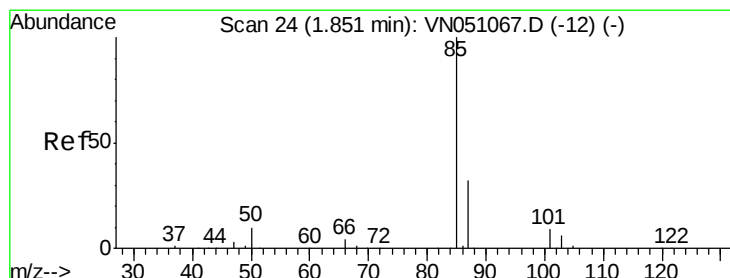
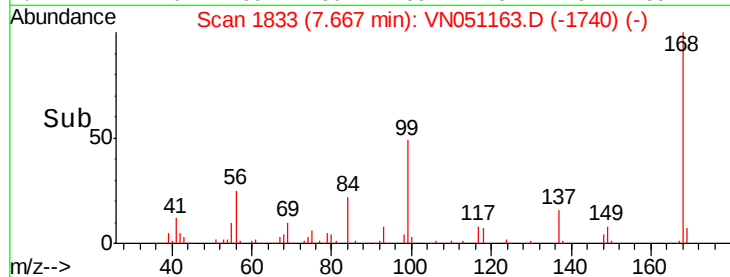
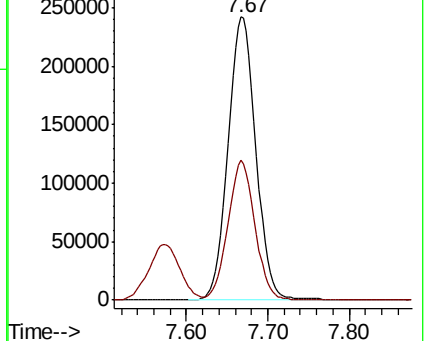
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.30 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051163.D

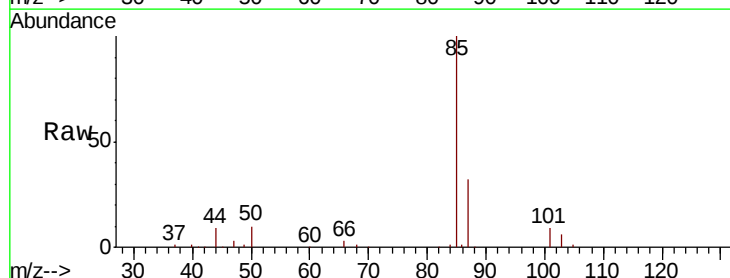
Acq: 13 Sep 2018 11:28

Tgt Ion: 85 Resp: 102055

Ion Ratio Lower Upper

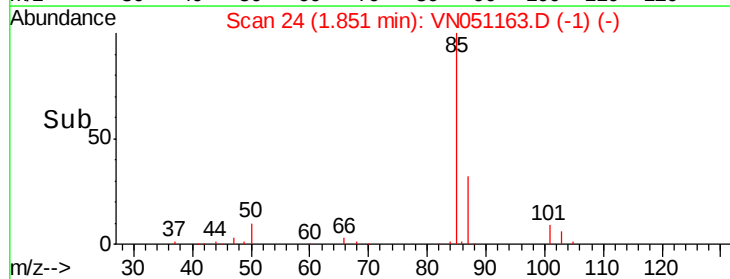
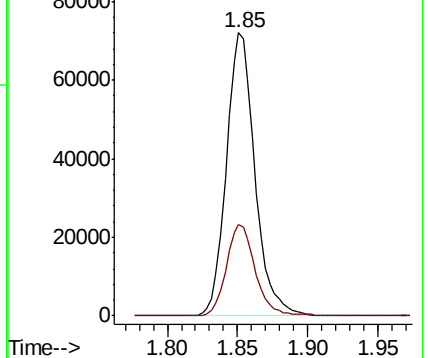
85 100

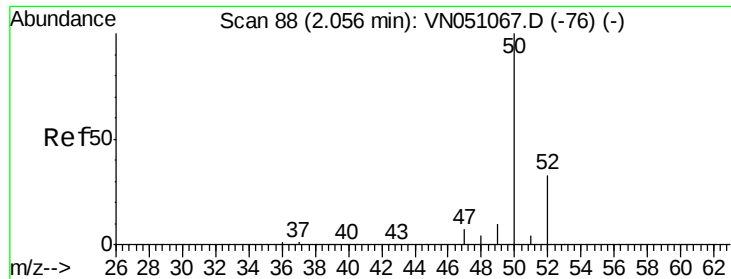
87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.89 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 50 Resp: 138394

Ion Ratio Lower Upper

50 100

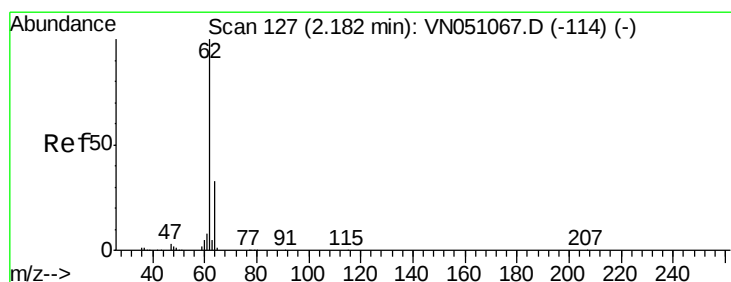
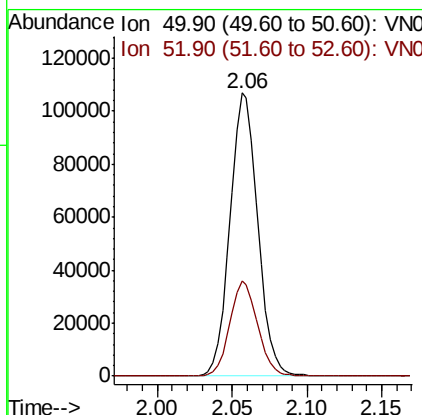
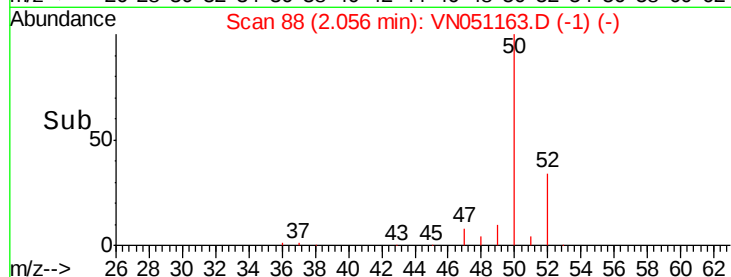
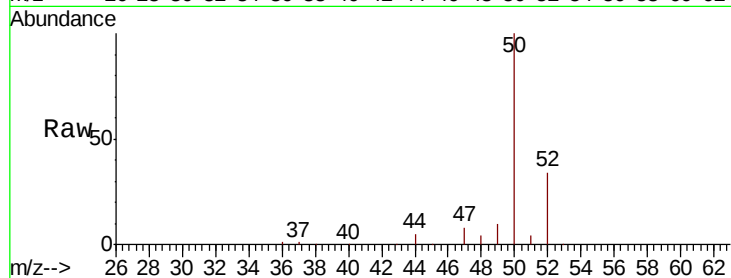
52 33.6 26.0 39.0

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#4

Vinyl Chloride

Concen: 18.36 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051163.D

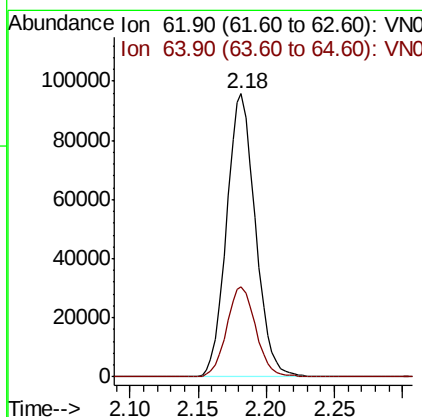
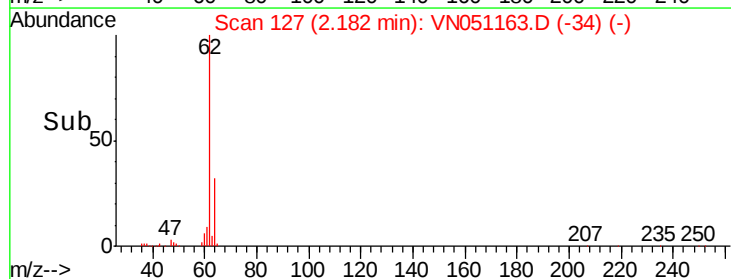
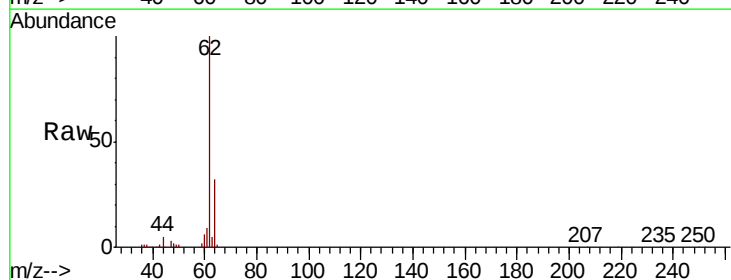
Acq: 13 Sep 2018 11:28

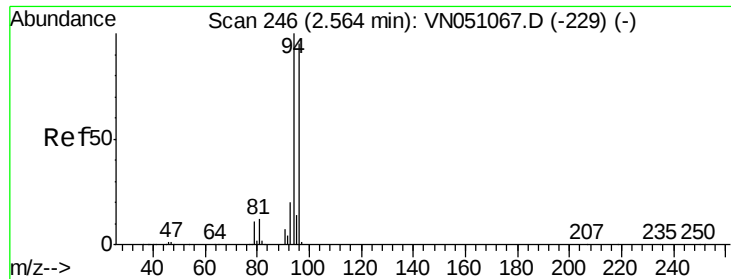
Tgt Ion: 62 Resp: 140525

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 17.54 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 94 Resp: 78498

Ion Ratio Lower Upper

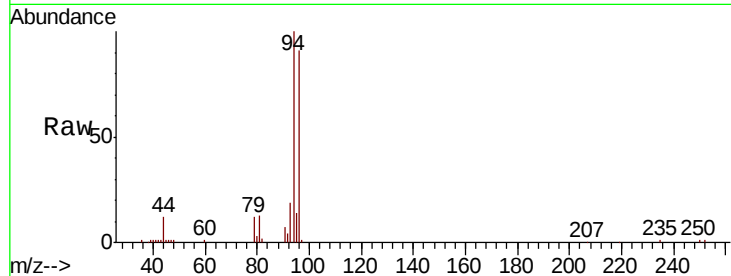
94 100

96 91.1 75.9 113.9

Manual Integrations
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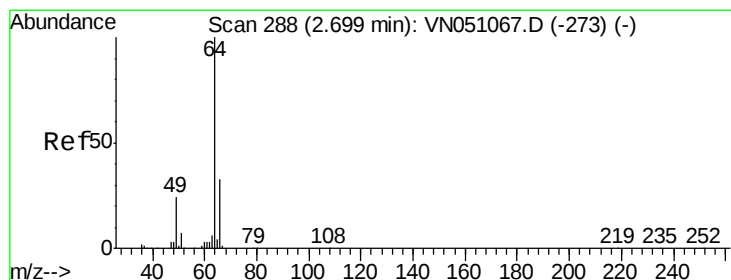
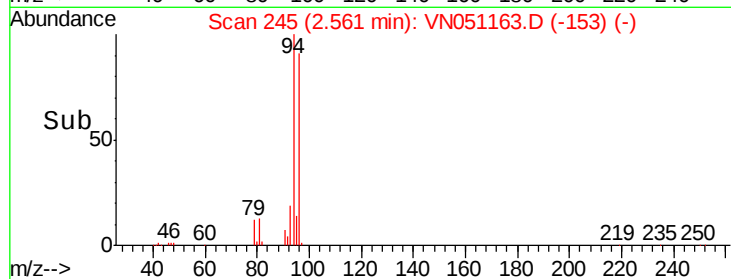
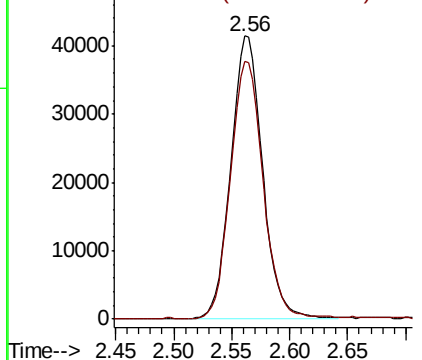
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.22 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051163.D

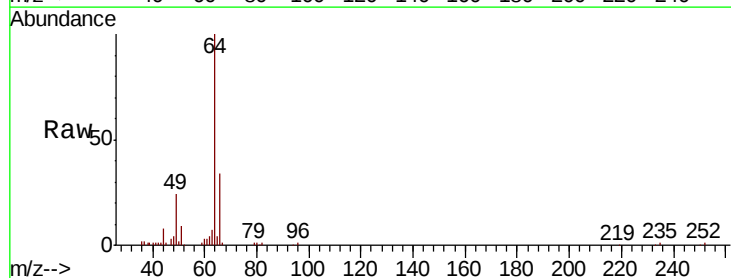
Acq: 13 Sep 2018 11:28

Tgt Ion: 64 Resp: 86045

Ion Ratio Lower Upper

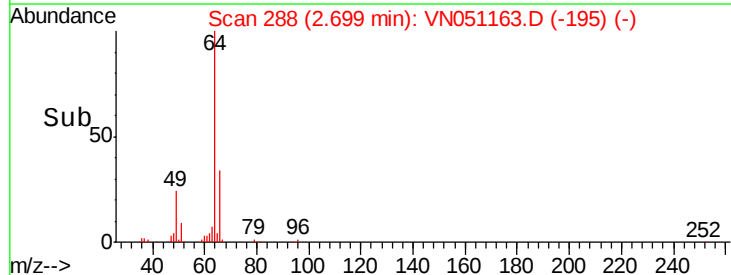
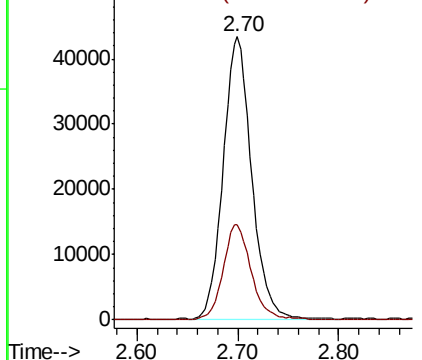
64 100

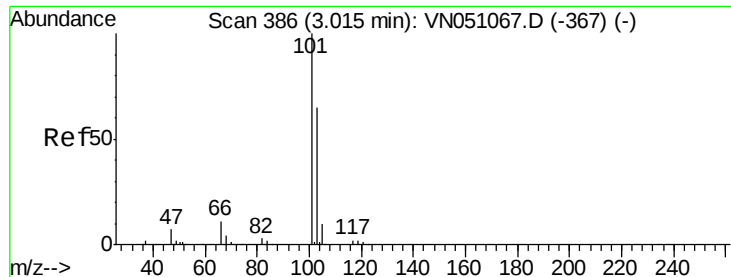
66 33.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

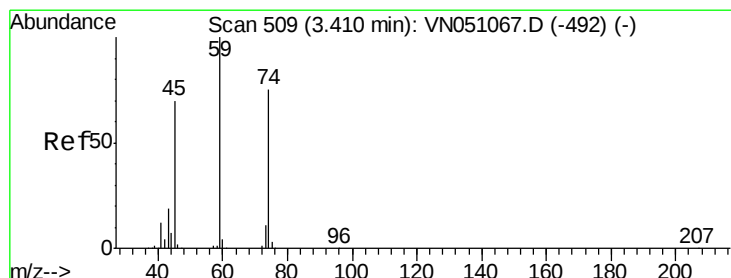
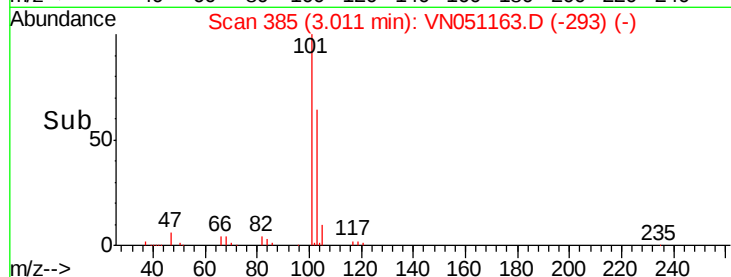
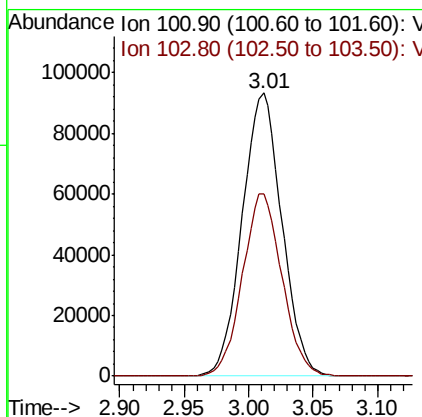
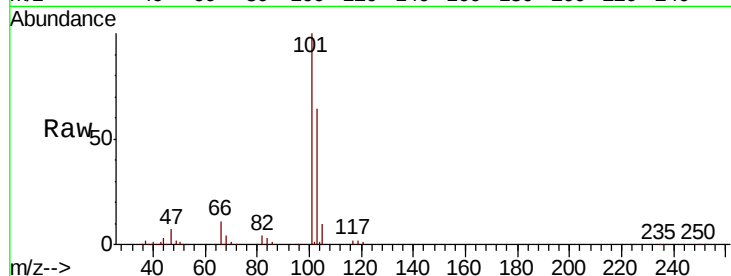
Trichlorofluoromethane
 Concen: 19.77 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
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 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6

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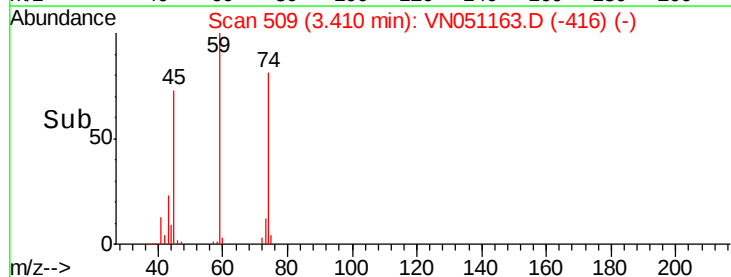
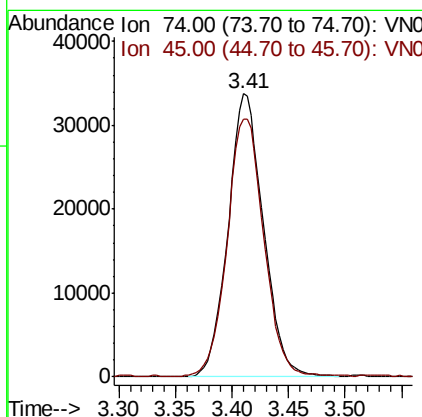
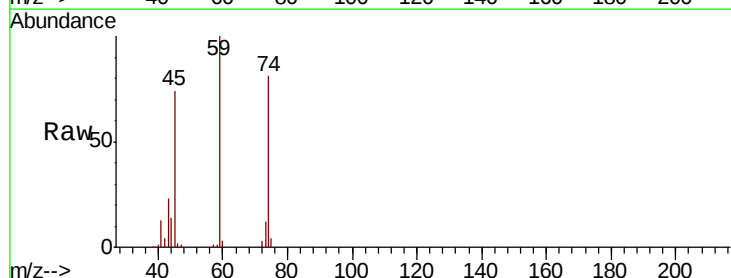
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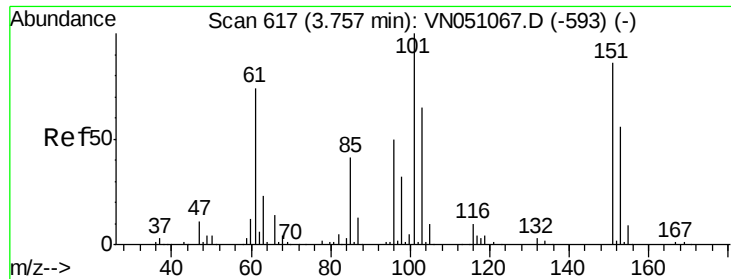


#8

Diethyl Ether
 Concen: 19.72 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	46.7	140.0





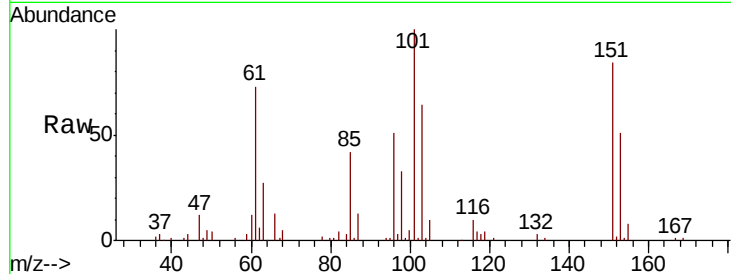
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.19 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
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 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	125462		
85	41.2	33.3	49.9	
151	85.0	68.2	102.2	

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 9/14/2018 11:47:05 AM

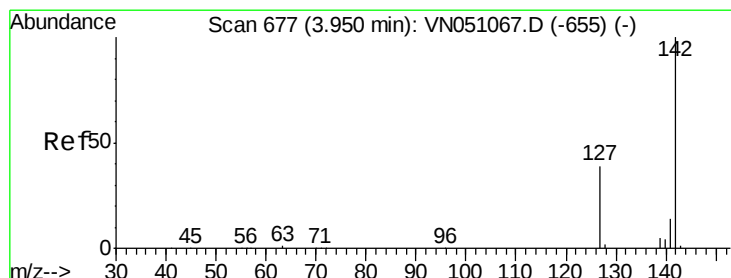
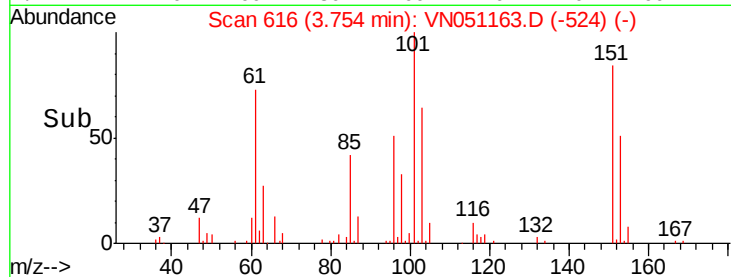
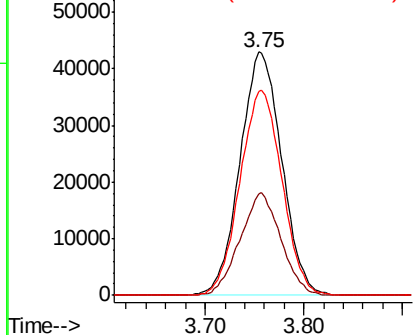


Abundance

Ion 100.90 (100.60 to 101.60): V

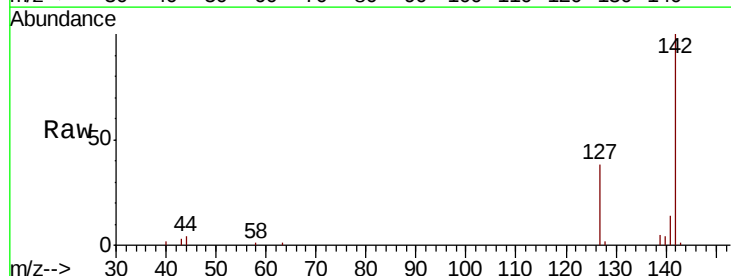
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 17.58 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	82305		
127	39.2	31.0	46.4	
141	14.2	11.3	16.9	

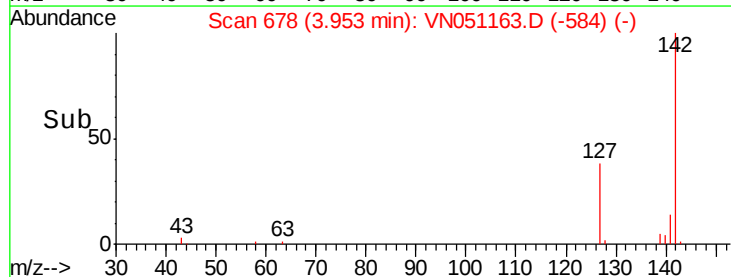
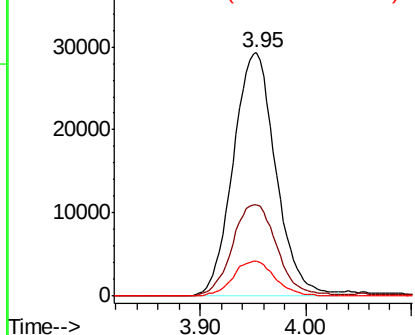


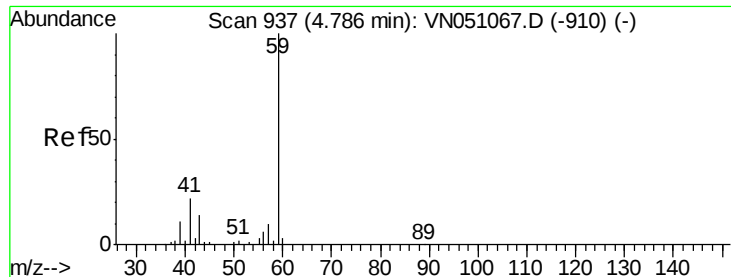
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

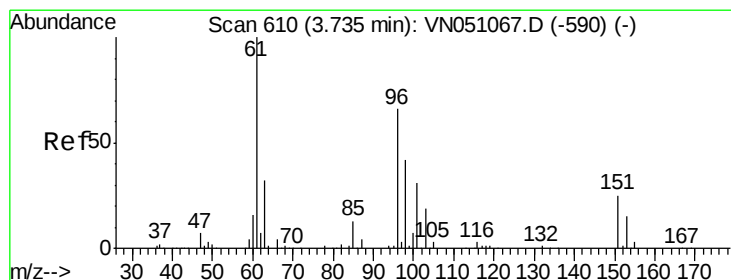
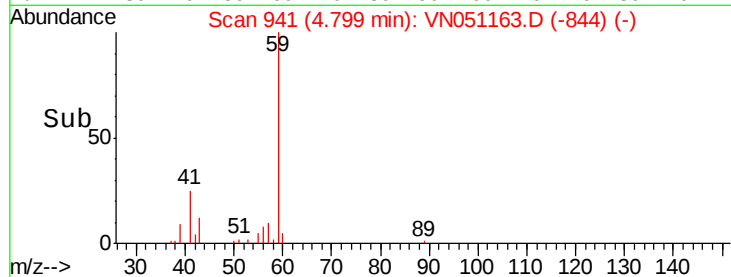
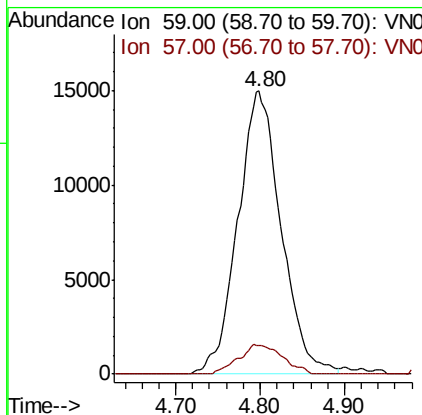
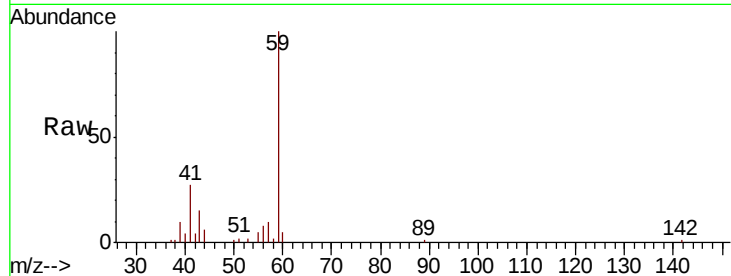
Tert butyl alcohol
 Concen: 108.75 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
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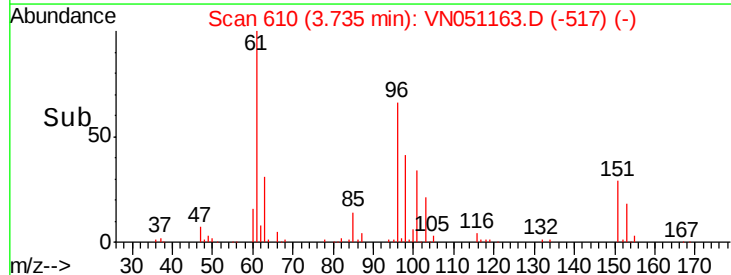
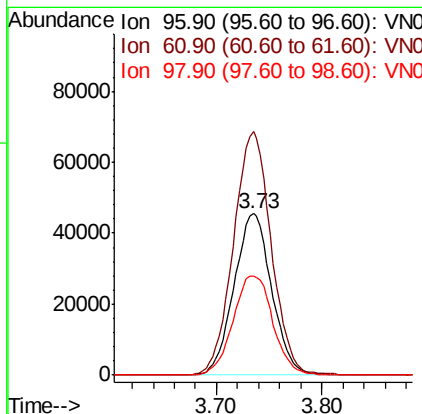
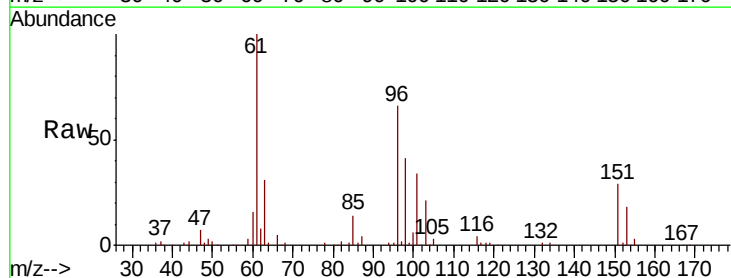
MMDadoda
 9/14/2018 11:47:05 AM

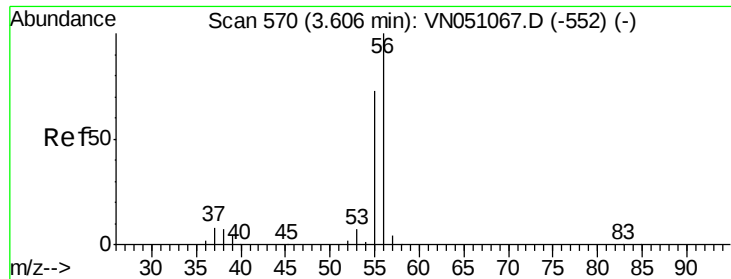


#12

1,1-Dichloroethene
 Concen: 18.32 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	120.3	180.5
98	61.1	50.8	76.2





#13

Acrolein

Concen: 89.46 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 56 Resp: 43300

Ion Ratio Lower Upper

56 100

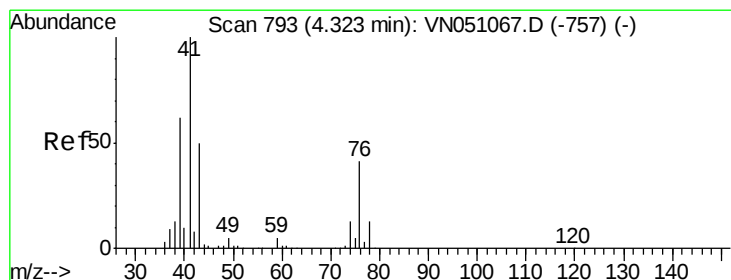
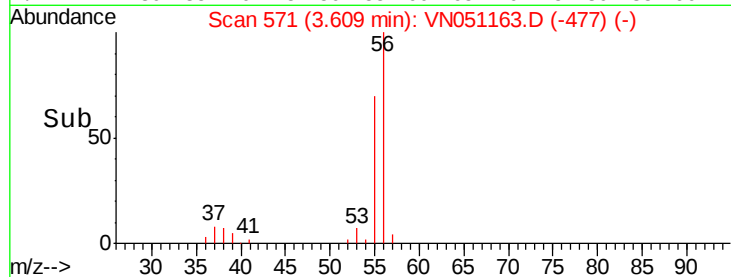
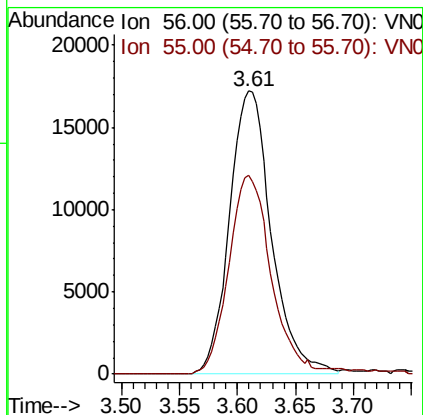
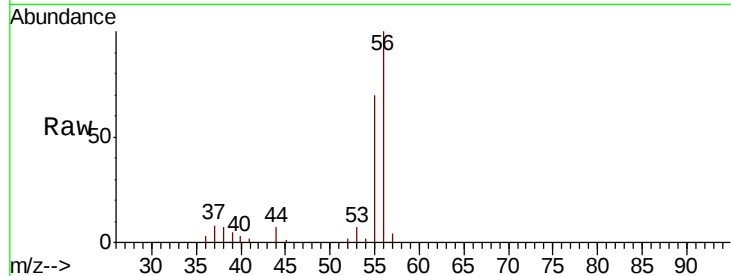
55 70.4 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.58 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

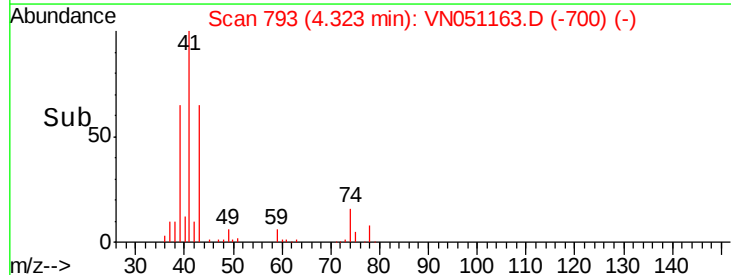
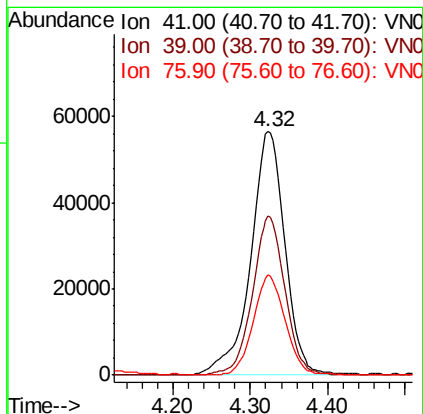
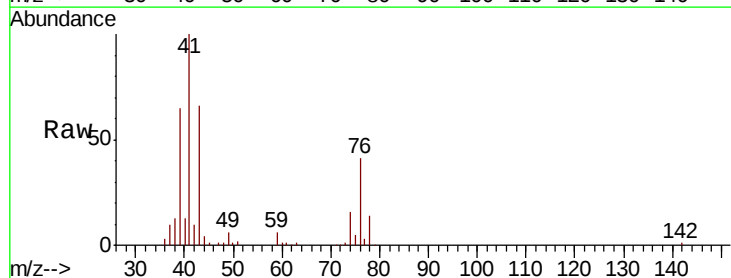
Tgt Ion: 41 Resp: 174530

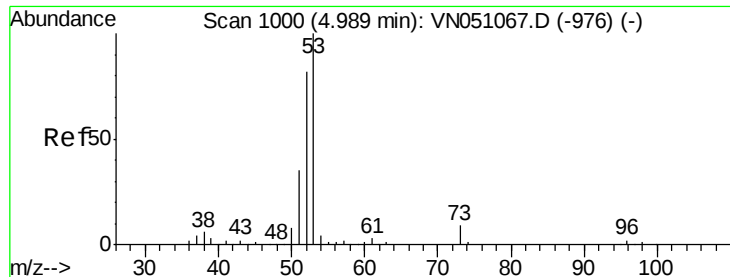
Ion Ratio Lower Upper

41 100

39 61.8 48.8 73.2

76 38.2 30.6 45.8





#15

Acrylonitrile

Concen: 109.84 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

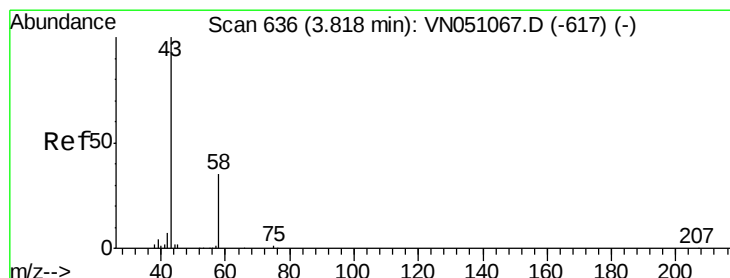
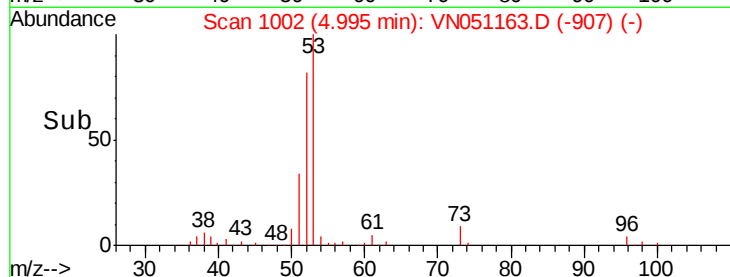
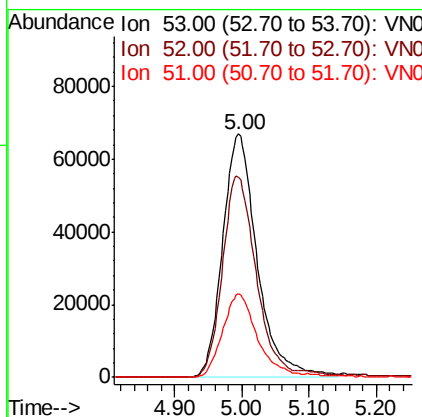
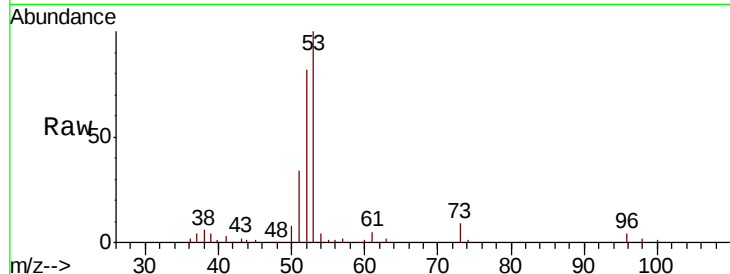
ClientSampleId :

VN0913WBSD01

Tot Ion:	53	Resp:	239174
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.3	97.9
51	34.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 108.54 ug/l

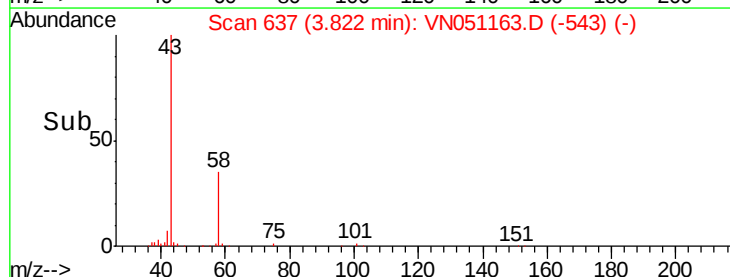
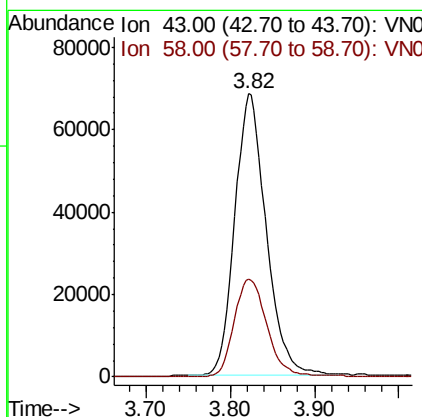
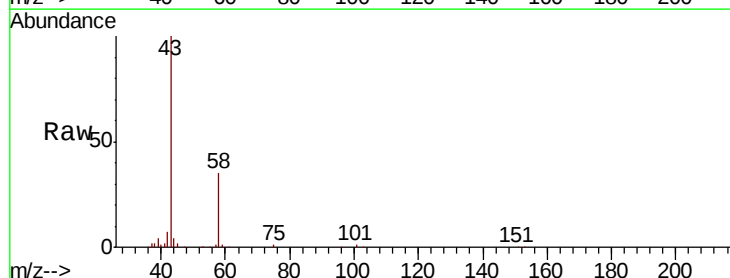
RT: 3.82 min Scan# 637

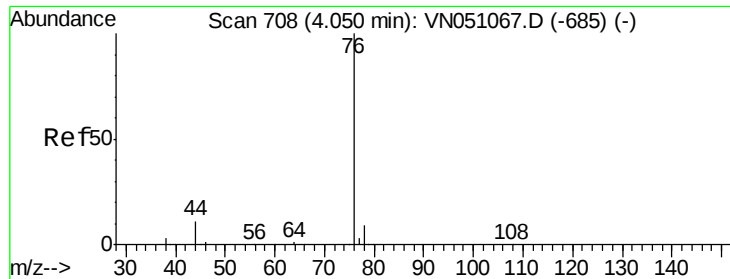
Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion:	43	Resp:	177919
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.6





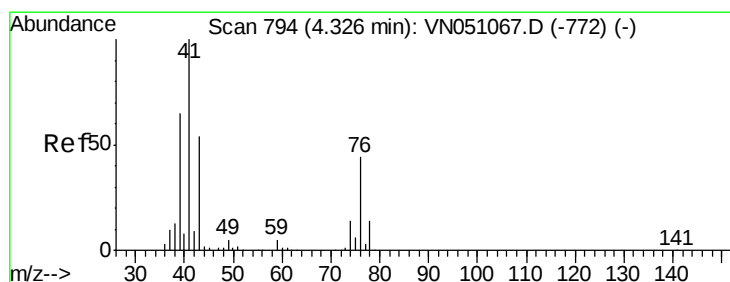
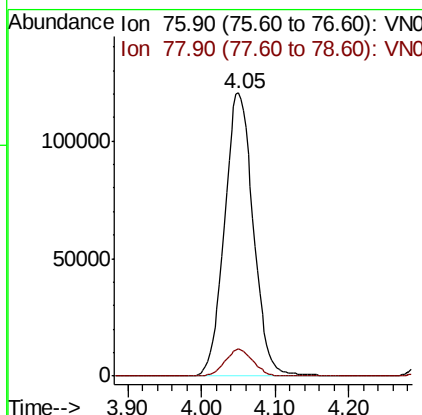
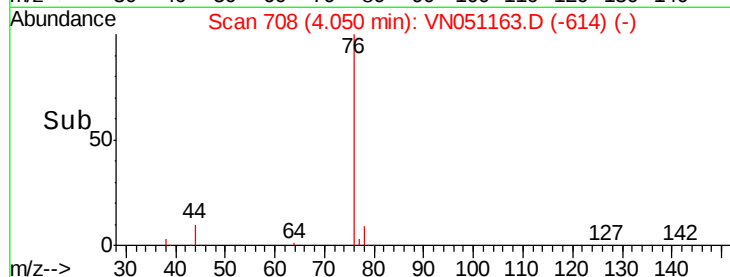
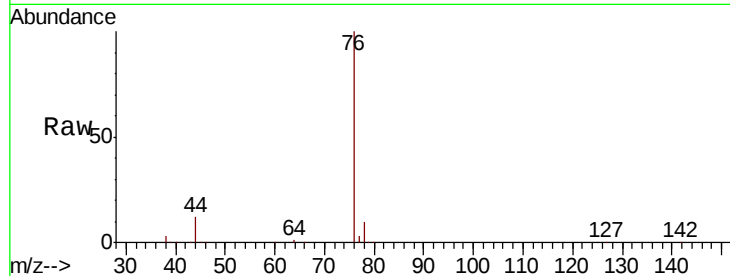
#17
Carbon Disulfide
Concen: 18.03 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6

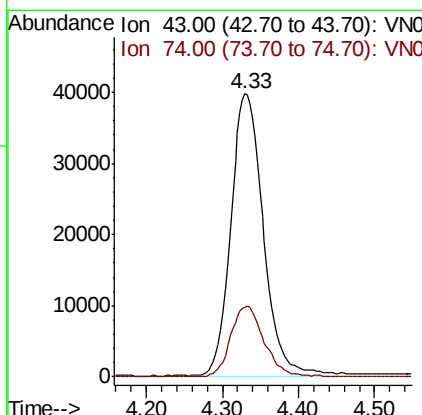
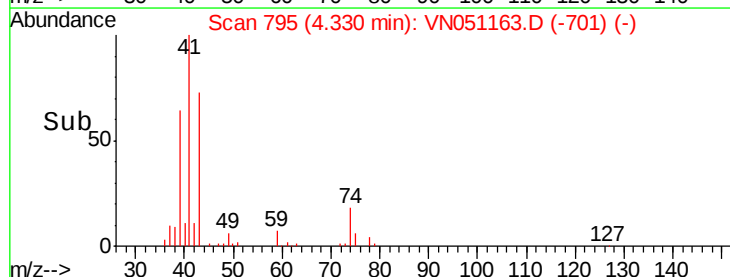
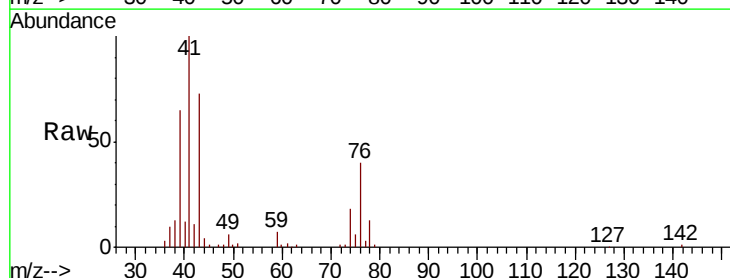
Manual Integrations
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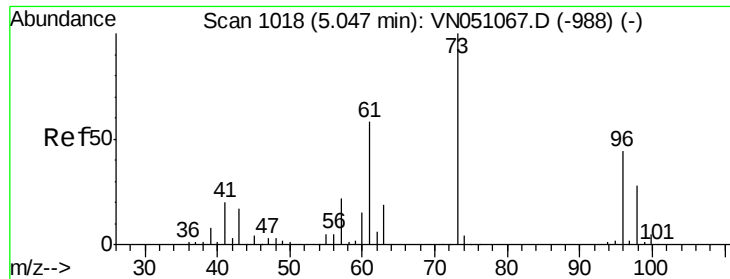
MMDadoda
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#18
Methyl Acetate
Concen: 22.82 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.7	31.1





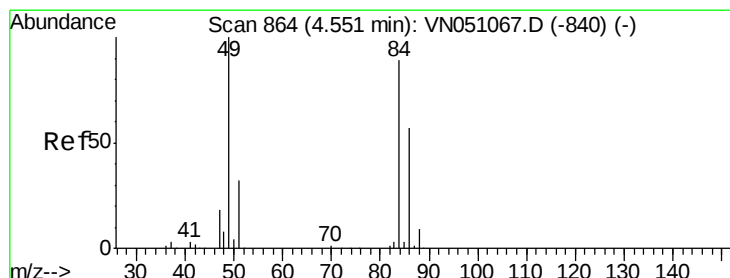
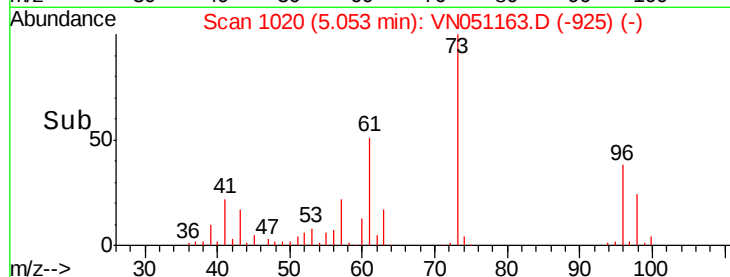
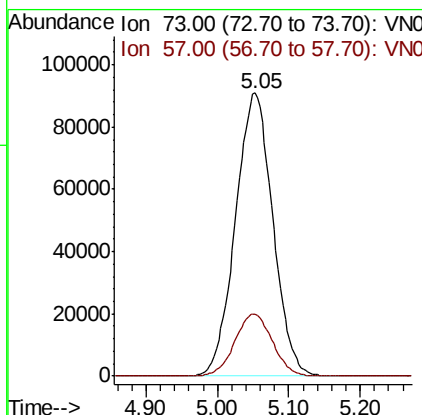
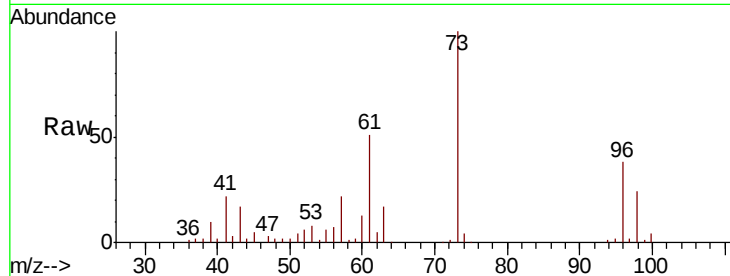
#19
Methvl tert-butvl Ether
Concen: 20.33 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 73 Resp: 331439
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

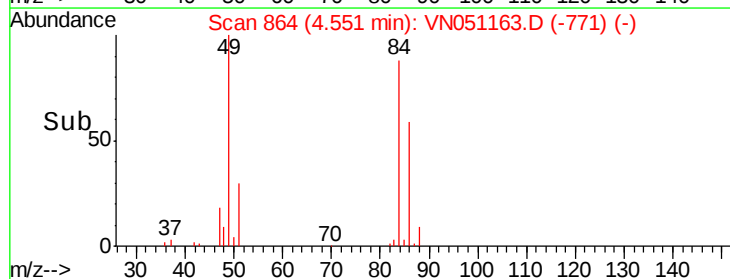
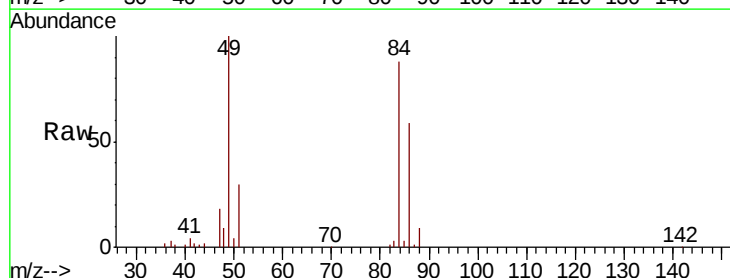
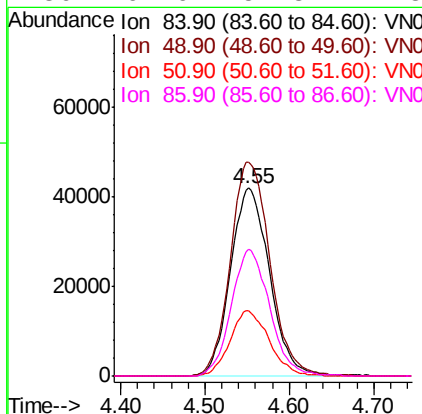
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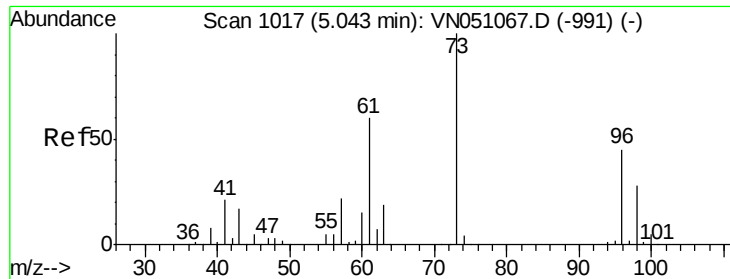
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9/14/2018 11:47:05 AM



#20
Methylene Chloride
Concen: 19.03 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 84 Resp: 135213
Ion Ratio Lower Upper
84 100
49 113.8 90.2 135.2
51 34.6 28.4 42.6
86 67.6 51.8 77.8





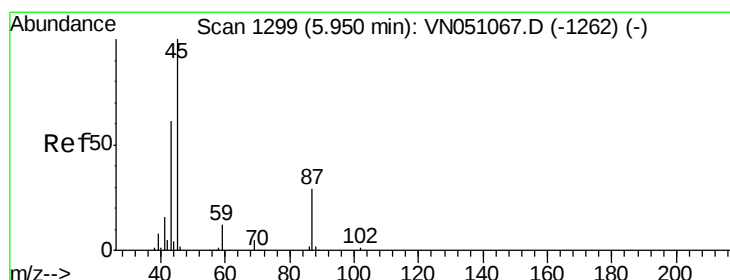
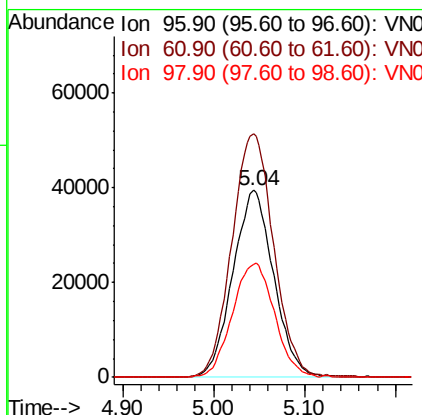
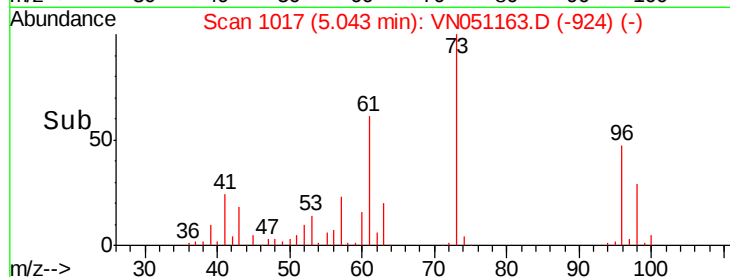
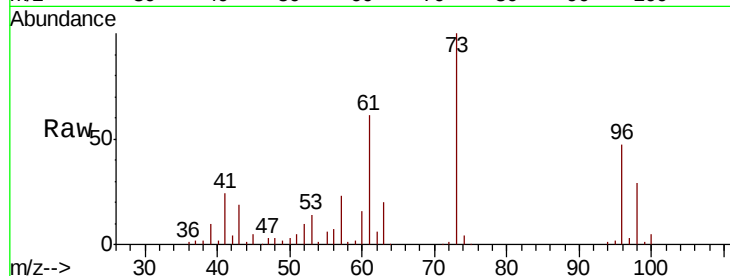
#21
trans-1,2-Dichloroethene
Concen: 18.41 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.7	106.5	159.7
98	60.7	50.4	75.6

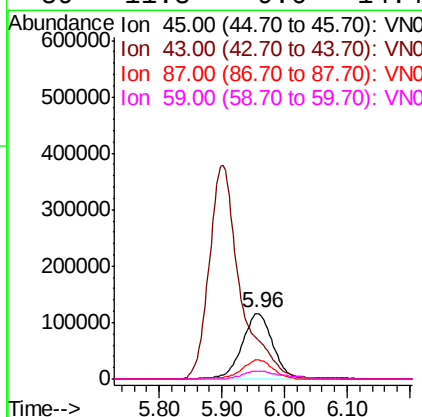
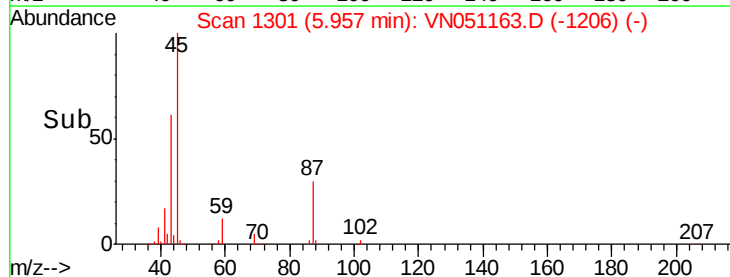
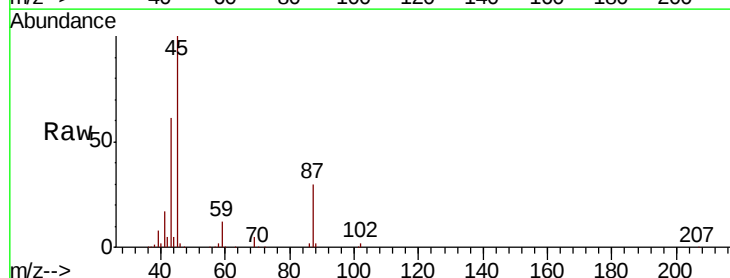
Manual Integrations
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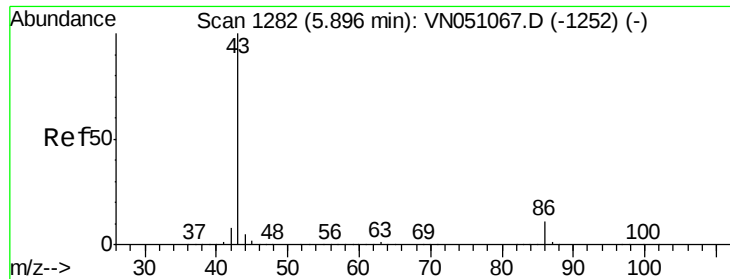
MMDadoda
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#22
Diisopropyl ether
Concen: 21.11 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.0	48.8	73.2
87	29.8	23.8	35.8
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 103.56 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleID :

VN0913WBSD01

Tot Ion: 43 Resp: 1307088

Ion Ratio Lower Upper

43 100

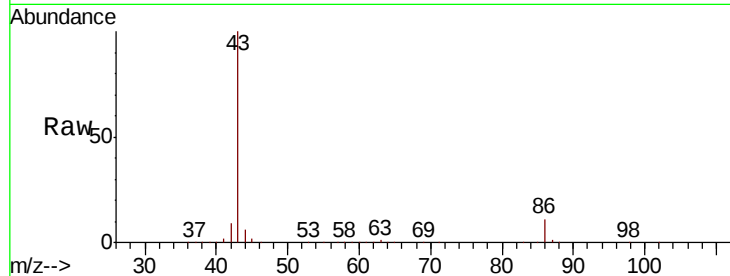
86 11.3 9.2 13.8

Manual Integrations

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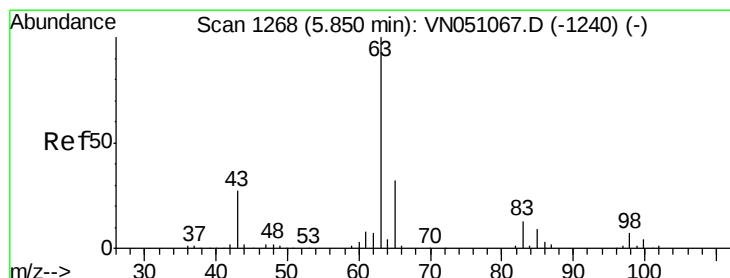
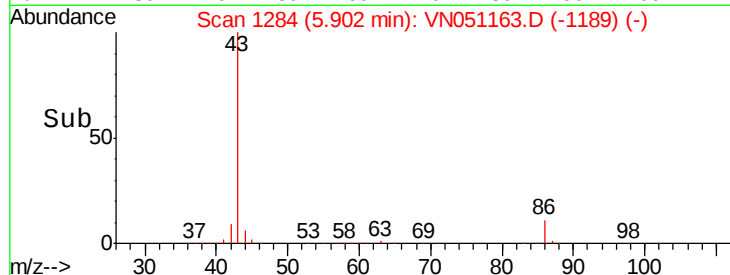
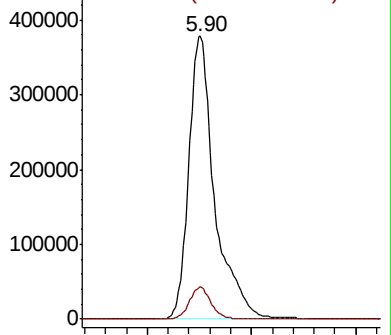
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.77 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

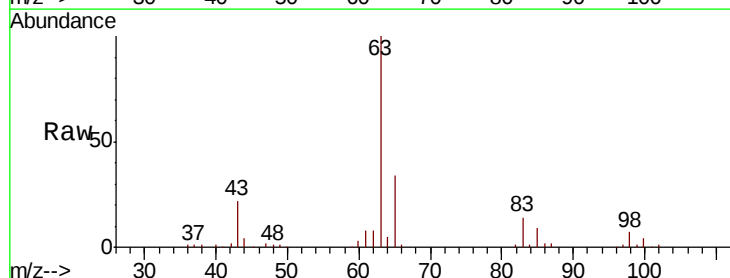
Tgt Ion: 63 Resp: 233902

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

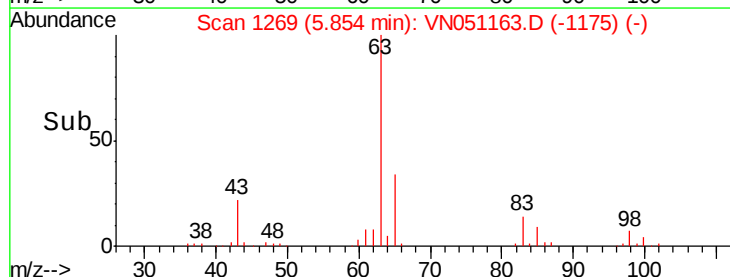
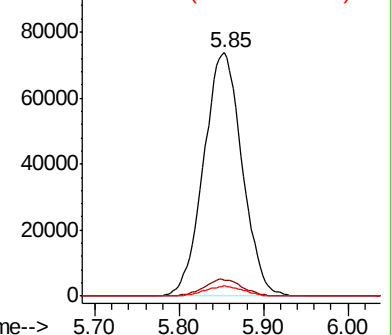
100 4.2 2.1 6.3

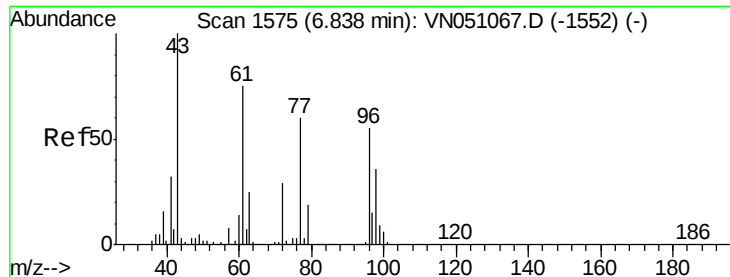


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.41 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

Tot Ion: 43 Resp: 264108

Ion Ratio Lower Upper

43 100

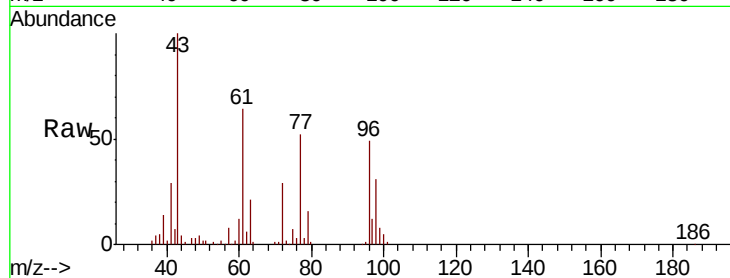
72 28.6 23.0 34.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

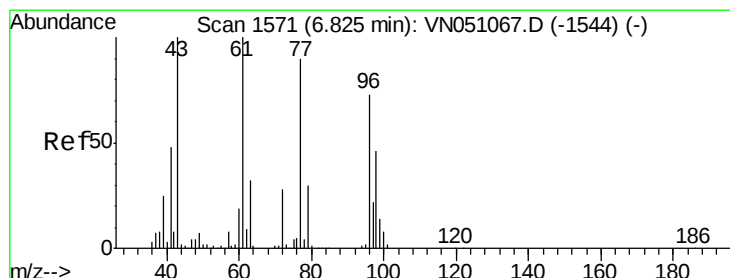
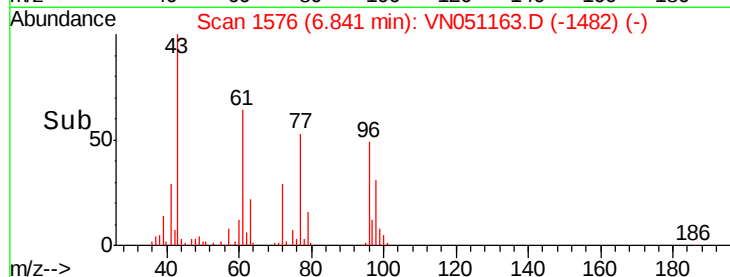
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.88 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051163.D

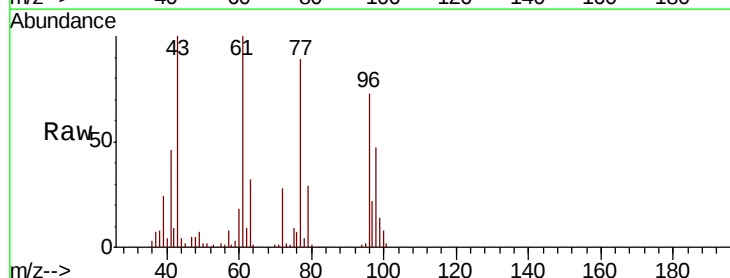
Acq: 13 Sep 2018 11:28

Tgt Ion: 77 Resp: 182876

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

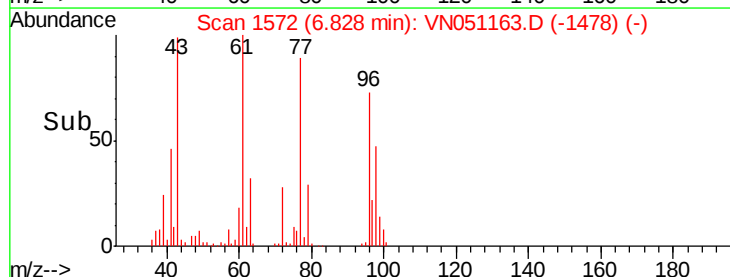
60000

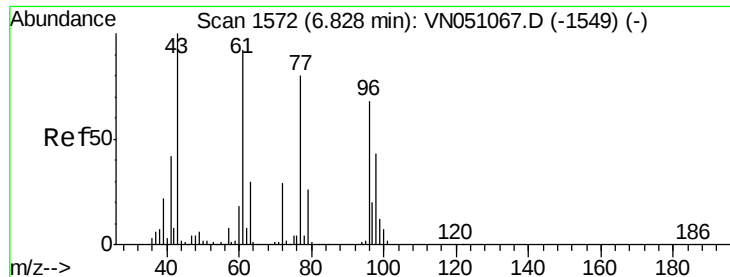
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.22 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

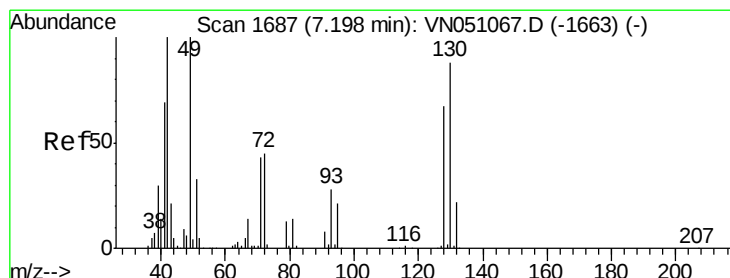
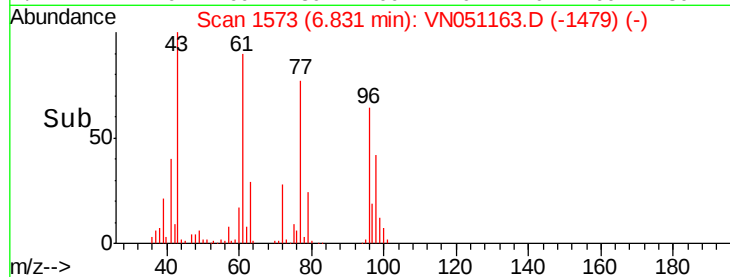
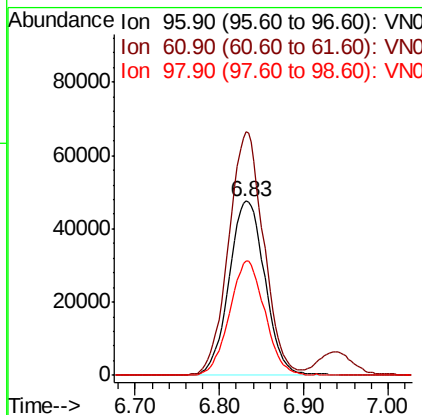
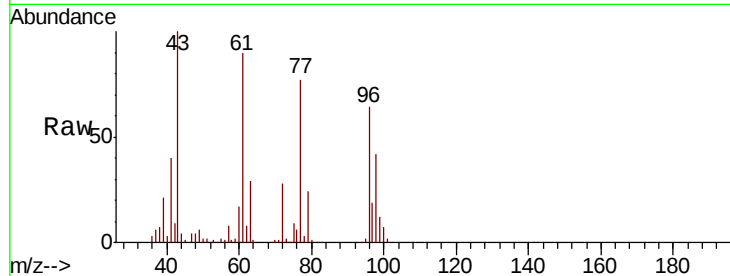
ClientSampleId :

VN0913WBSD01

Tot Ion:	96	Resp:	141010
Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	278.2
98	64.3	0.0	129.4

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#28

Bromochloromethane

Concen: 18.10 ug/l

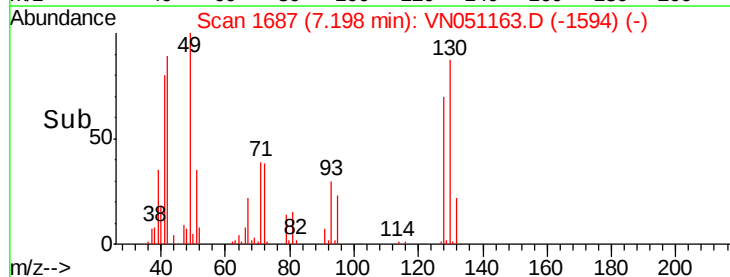
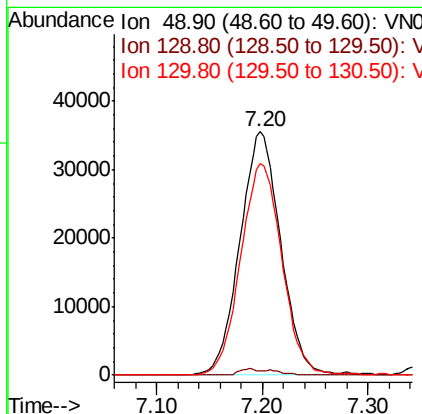
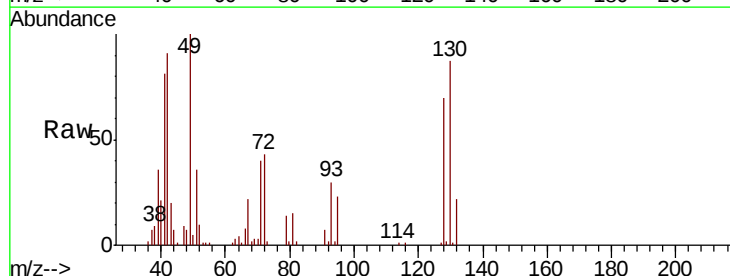
RT: 7.20 min Scan# 1687

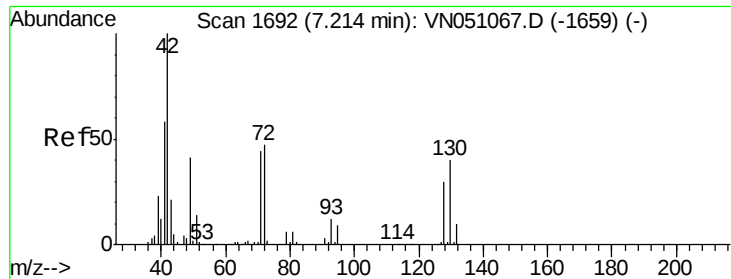
Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion:	49	Resp:	95319
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	87.8	70.7	106.1





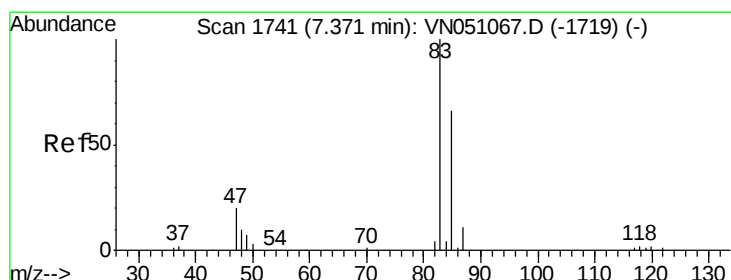
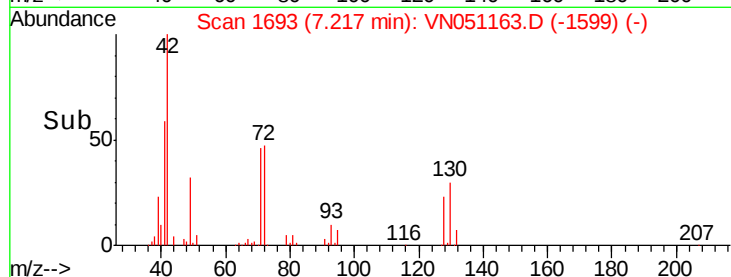
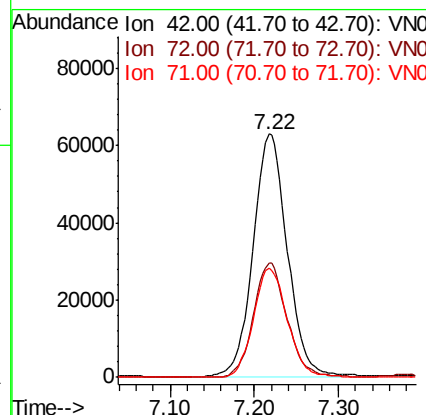
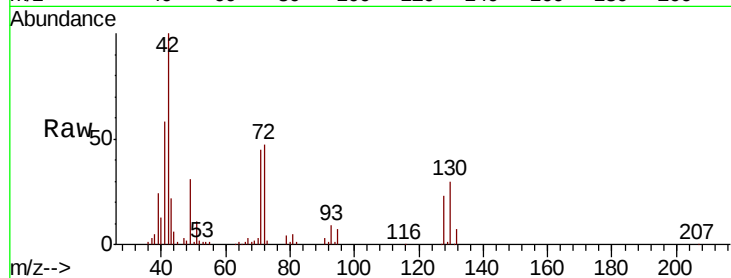
#29
Tetrahydrofuran
Concen: 111.66 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.0
71	44.6	34.7	52.1

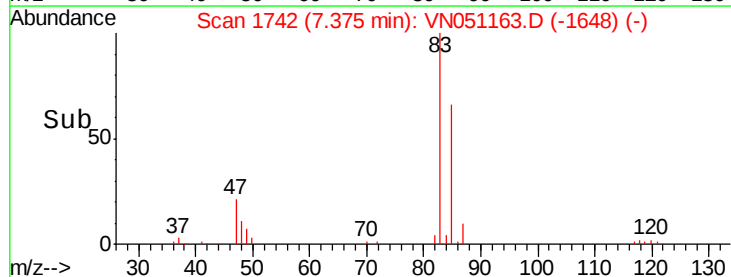
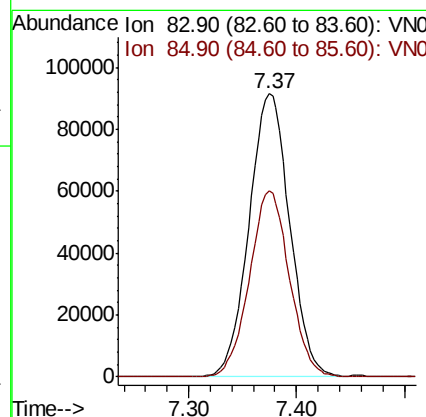
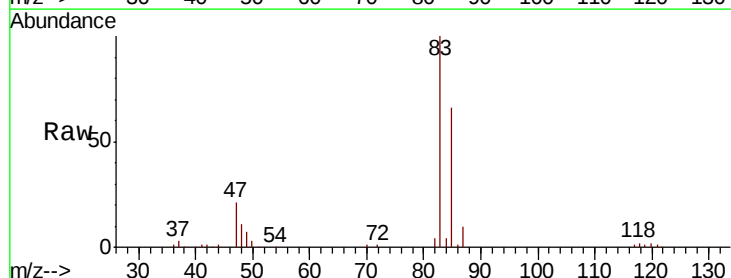
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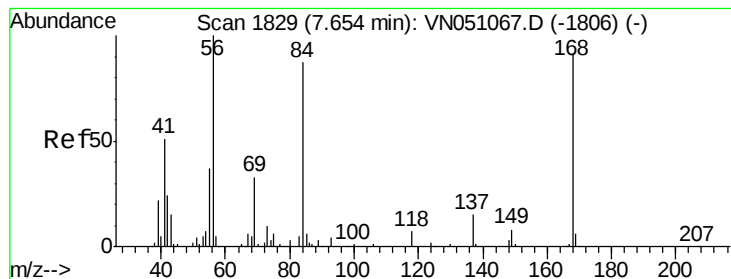
MMDadoda
9/14/2018 11:47:05 AM



#30
Chloroform
Concen: 20.30 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	79.0





#31

Cyclohexane

Concen: 18.77 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

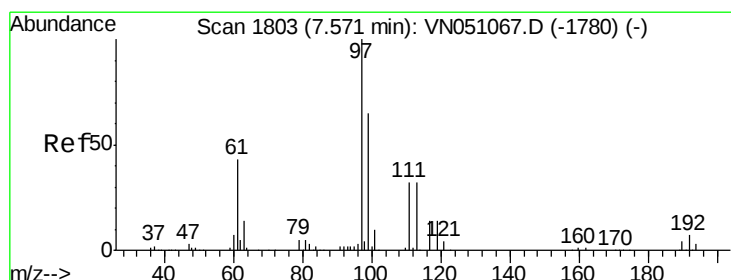
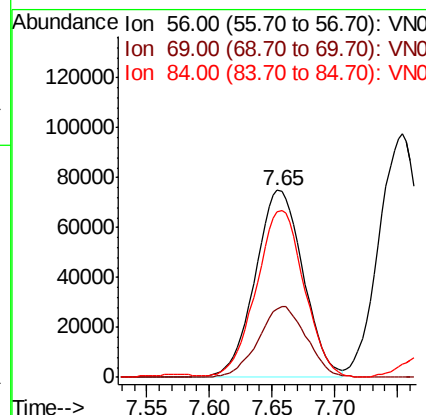
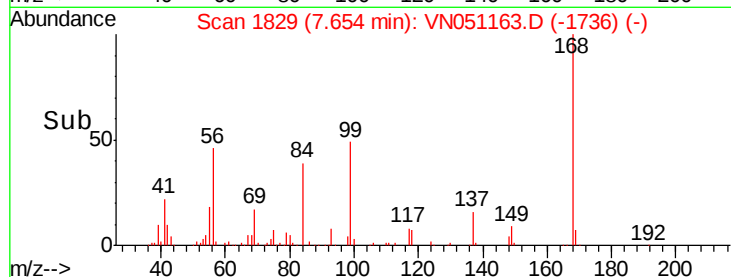
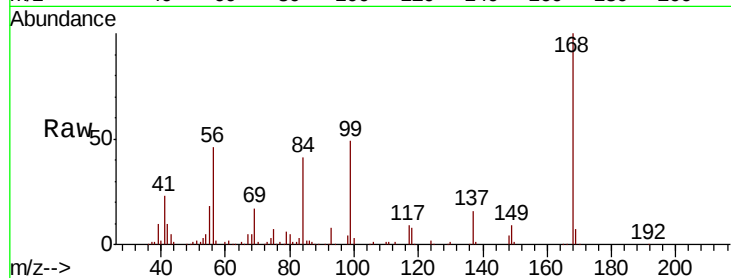
ClientSampleId :

VN0913WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		199517		
69	36.9	26.3	39.5		
84	87.2	69.4	104.0		

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.95 ug/l

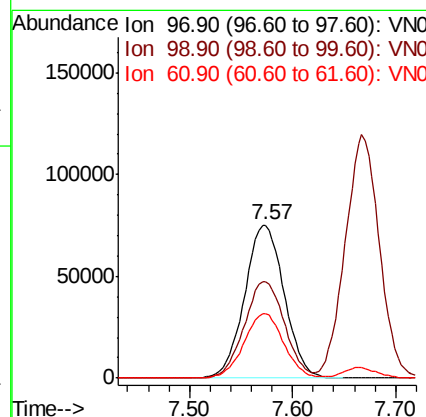
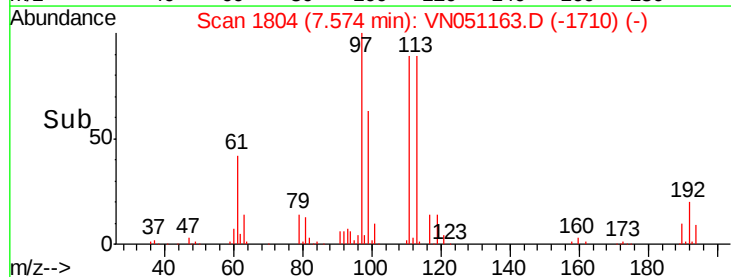
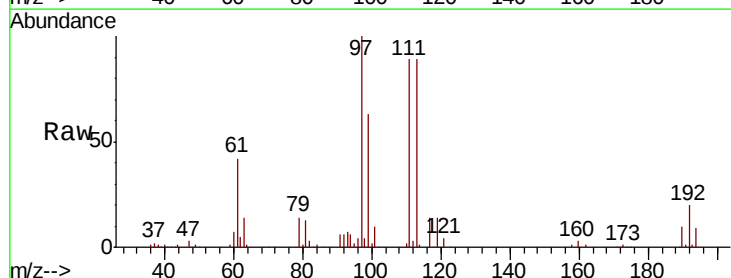
RT: 7.57 min Scan# 1804

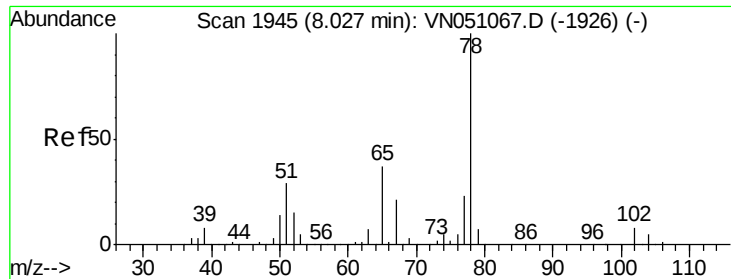
Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		200093		
99	64.2	51.6	77.4		
61	42.3	33.8	50.6		





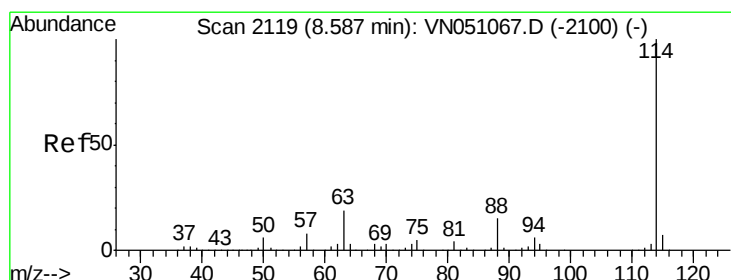
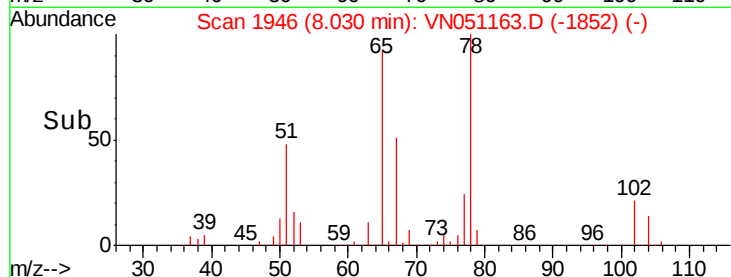
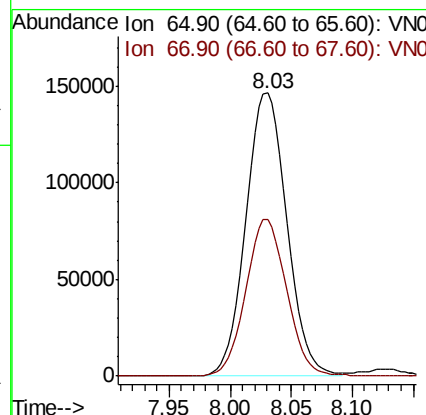
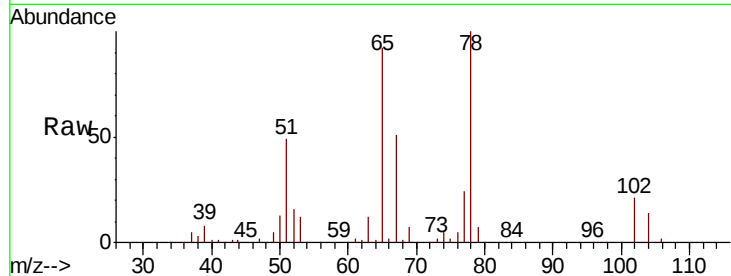
#33
 1,2-Dichloroethane-d4
 Concen: 52.90 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	340320		
67	55.3	0.0	112.0	

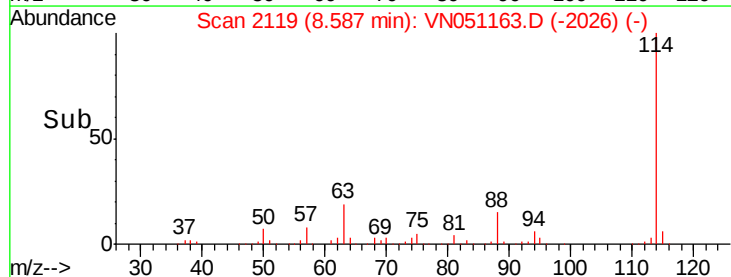
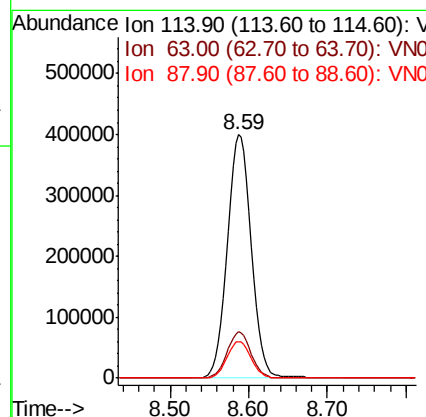
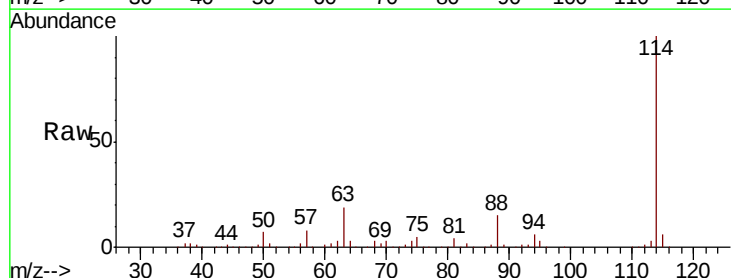
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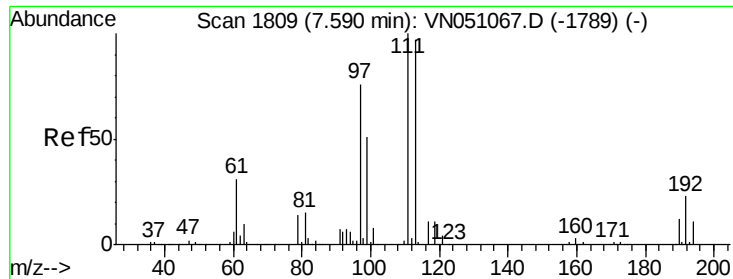
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 9/14/2018 11:47:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	836813		
63	18.9	0.0	37.8	
88	15.1	0.0	30.8	





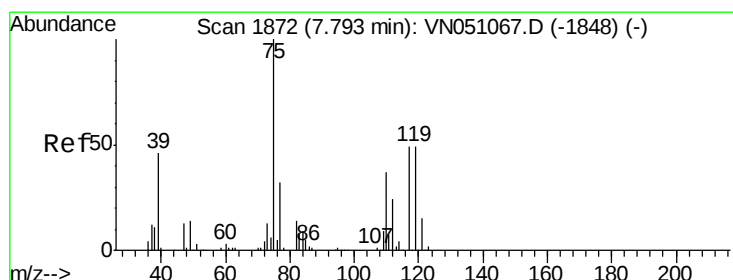
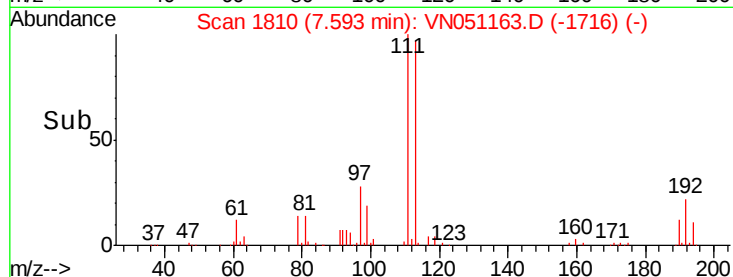
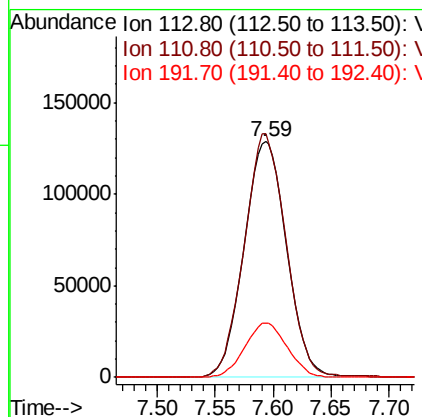
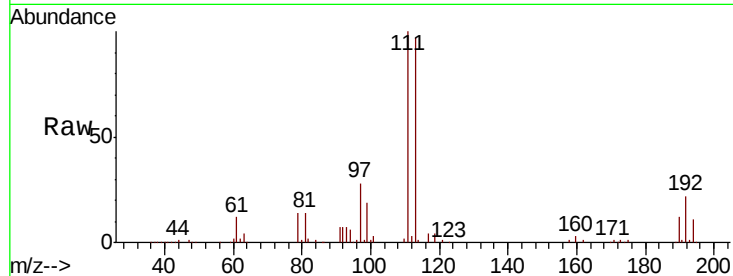
#35
 Dibromofluoromethane
 Concen: 52.33 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	329045		
111	101.9	83.0	124.6	
192	23.1	18.7	28.1	

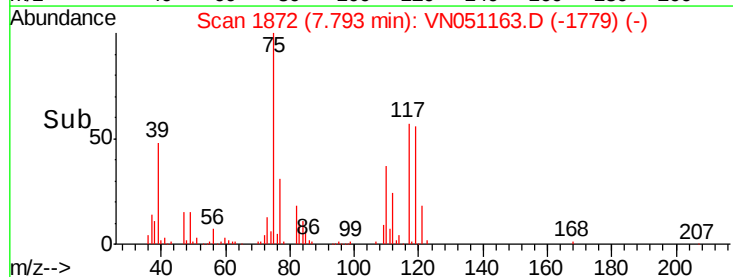
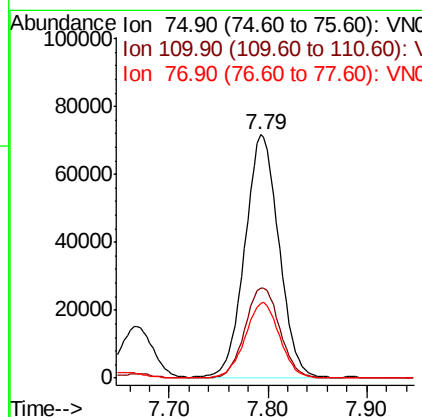
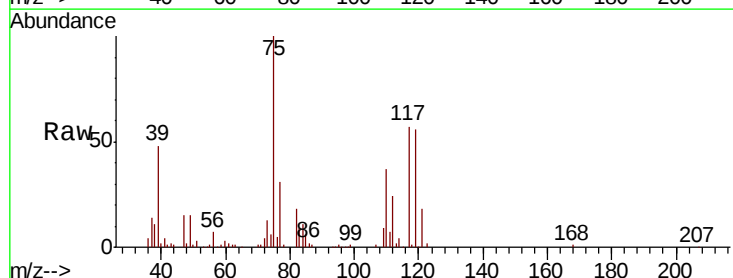
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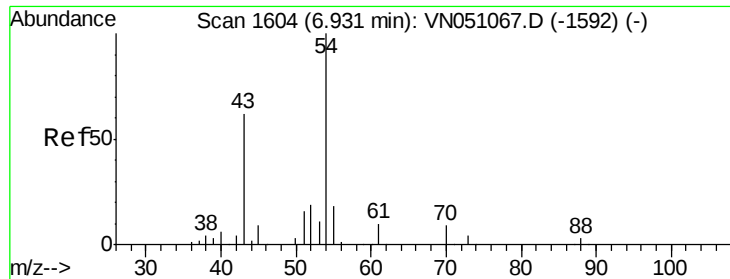
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#36
 1,1-Dichloropropene
 Concen: 18.52 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170116		
110	37.9	18.6	55.8	
77	31.7	25.2	37.8	





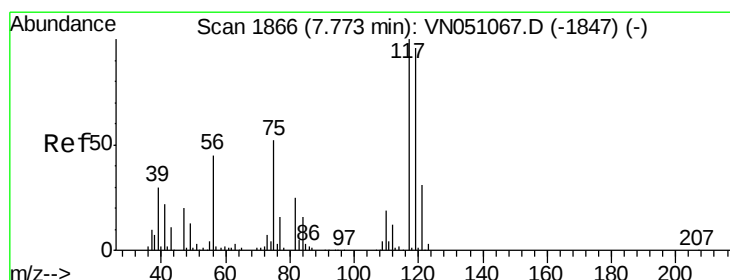
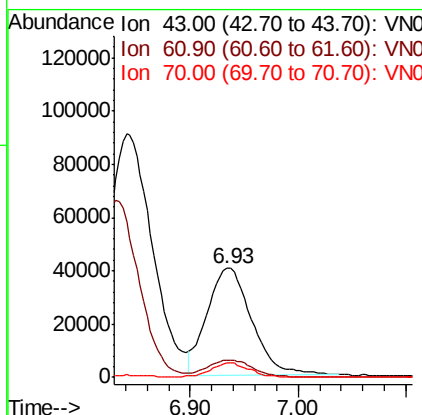
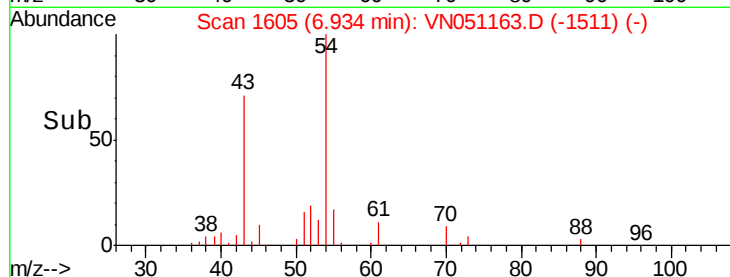
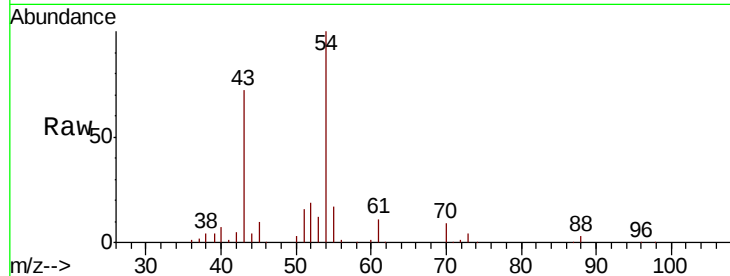
#37
Ethyl Acetate
Concen: 21.93 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.4	18.6
70	10.8	9.3	13.9

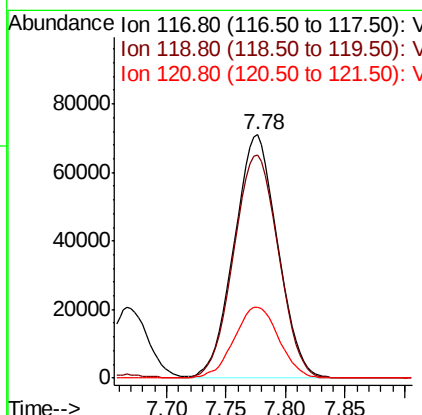
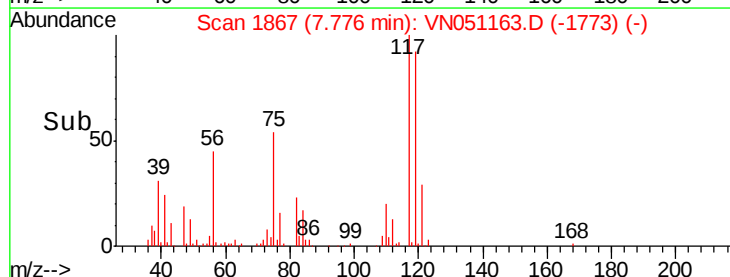
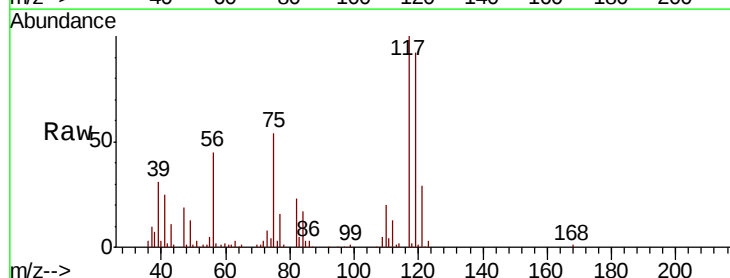
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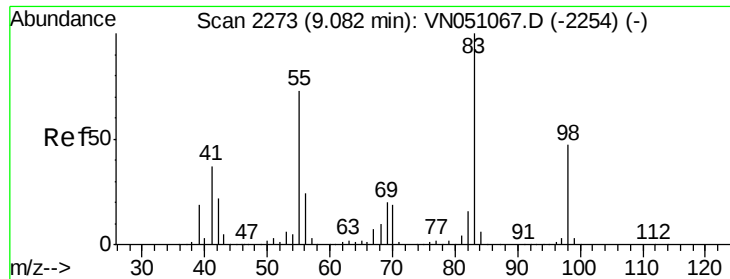
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#38
Carbon Tetrachloride
Concen: 19.92 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.8	115.2
121	29.2	24.6	36.8





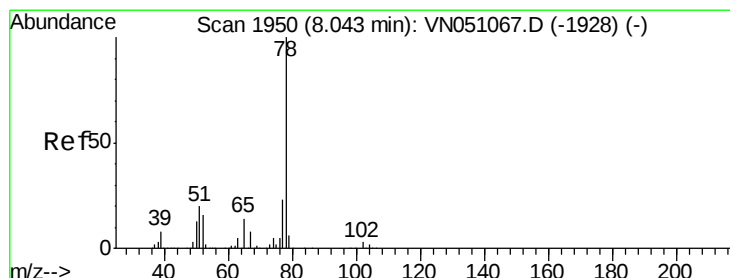
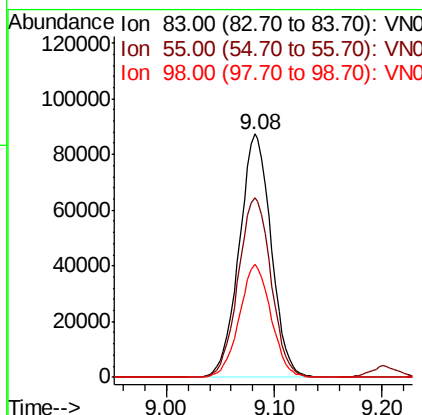
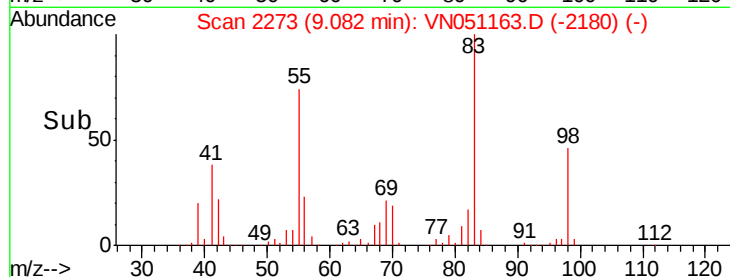
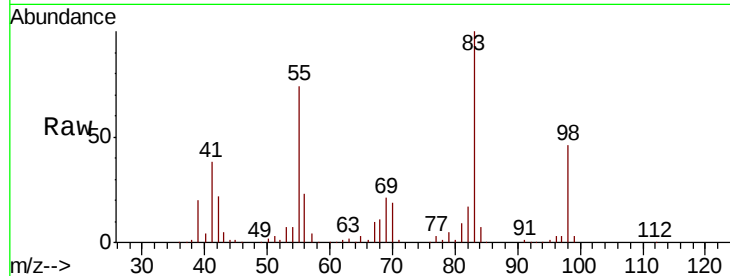
#39
Methvlcvclohexane
Concen: 17.75 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	179954		
55	73.8		58.4	87.6
98	46.3		37.3	55.9

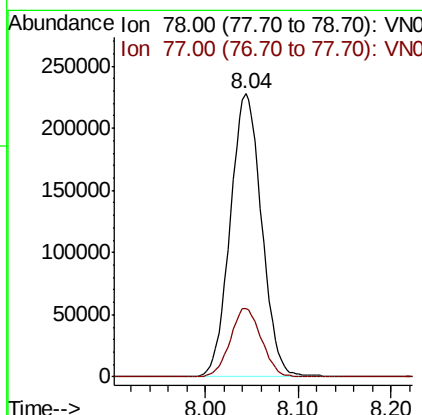
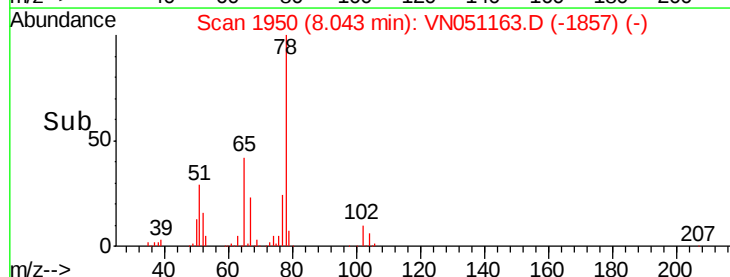
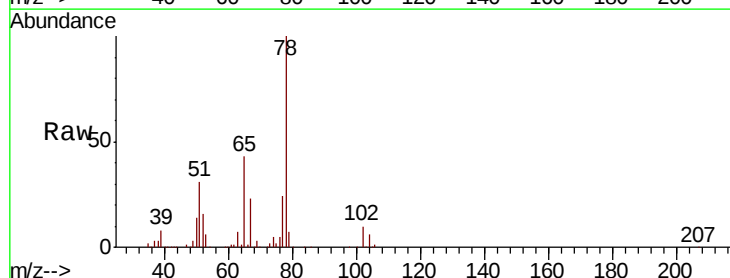
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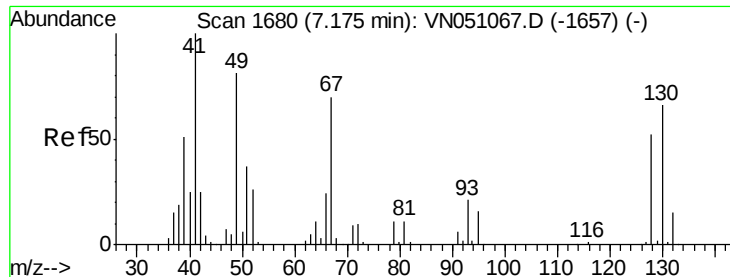
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#40
Benzene
Concen: 19.35 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	535781		
77	24.3		18.6	27.8





#41

Methacrylonitrile

Concen: 21.13 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 41 Resp: 58011

Ion Ratio Lower Upper

41 100

39 60.7 51.3 76.9

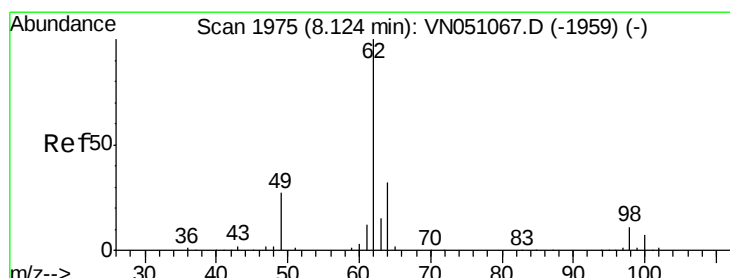
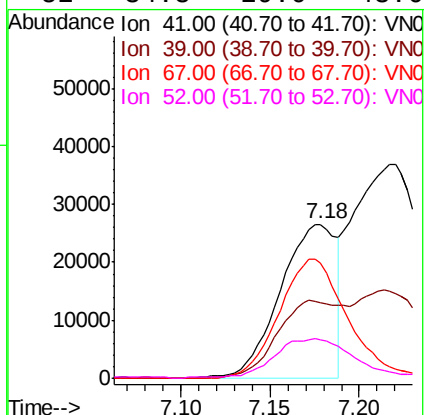
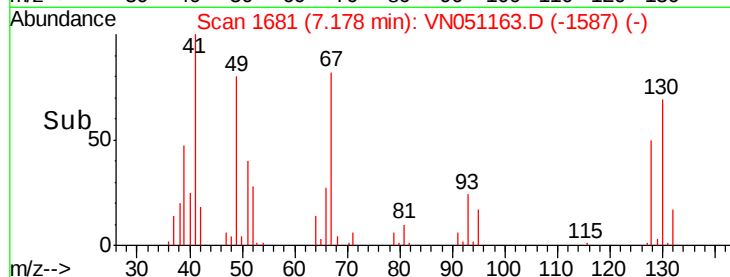
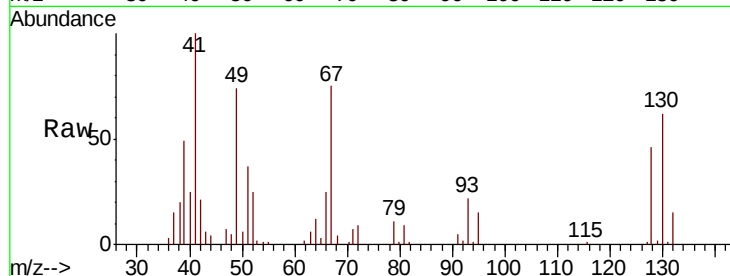
67 94.9 78.5 117.7

52 34.8 29.0 43.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.30 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051163.D

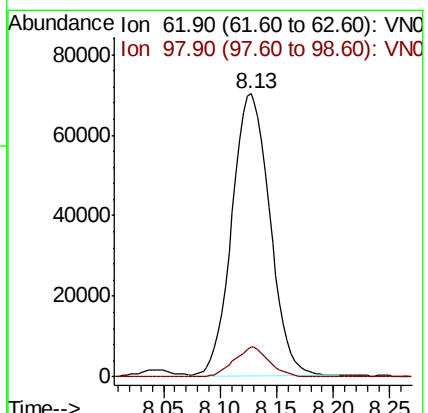
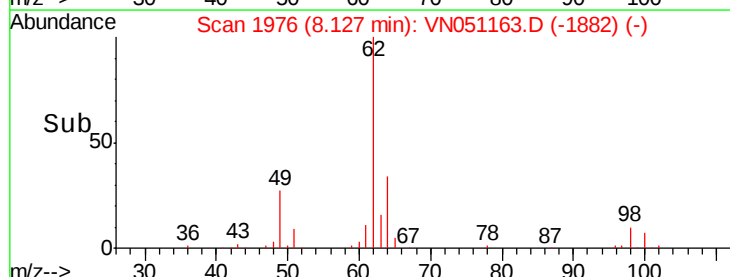
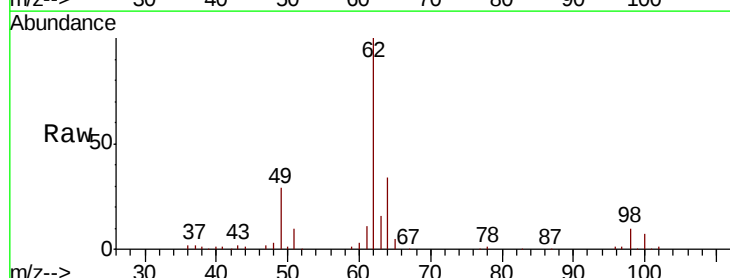
Acq: 13 Sep 2018 11:28

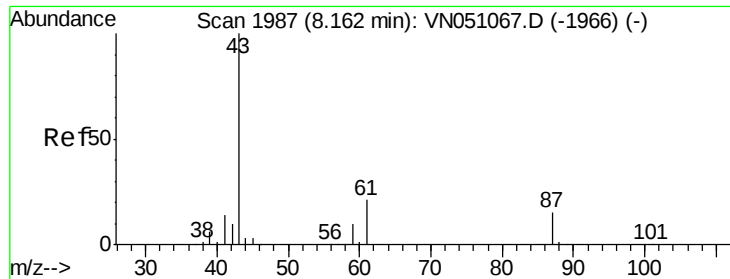
Tgt Ion: 62 Resp: 163837

Ion Ratio Lower Upper

62 100

98 9.9 0.0 21.0





#43

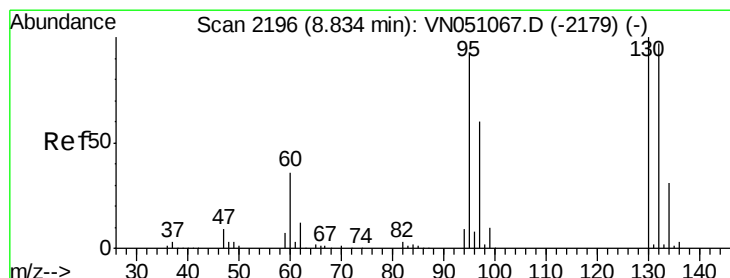
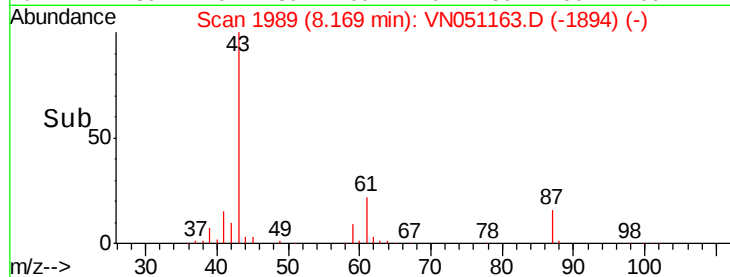
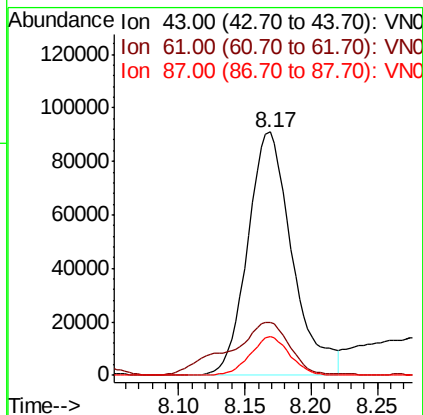
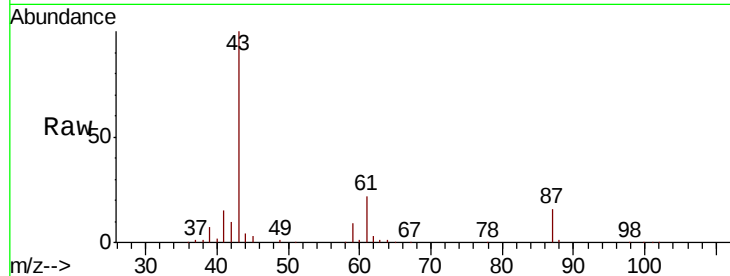
Isopropyl Acetate
 Concen: 22.55 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	25.0	37.6
87	14.2	11.8	17.8

Manual Integrations
 APPROVED

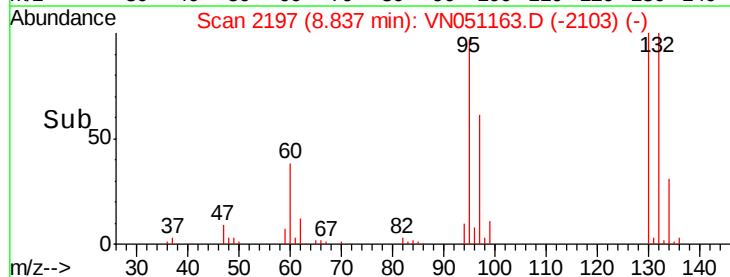
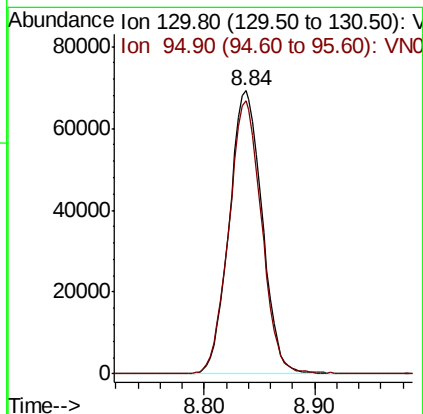
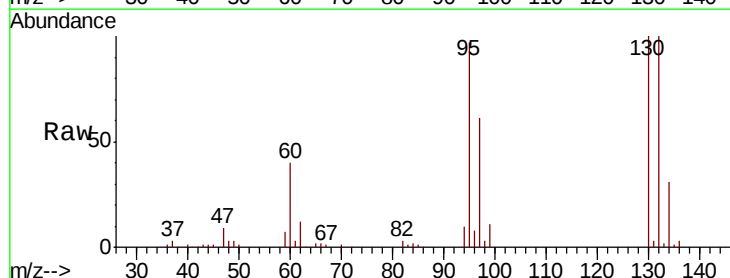
MMDadoda
 9/14/2018 11:47:05 AM

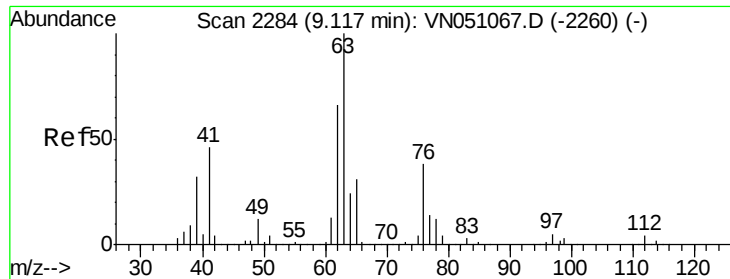


#44

Trichloroethene
 Concen: 18.88 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	186.2





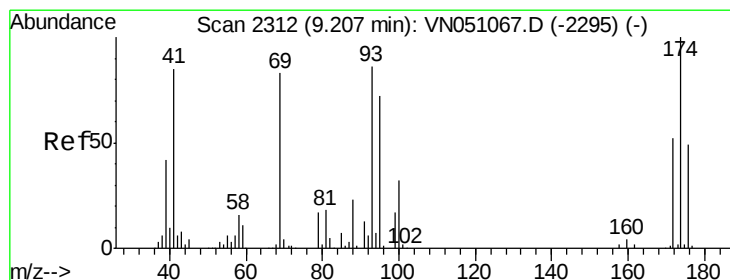
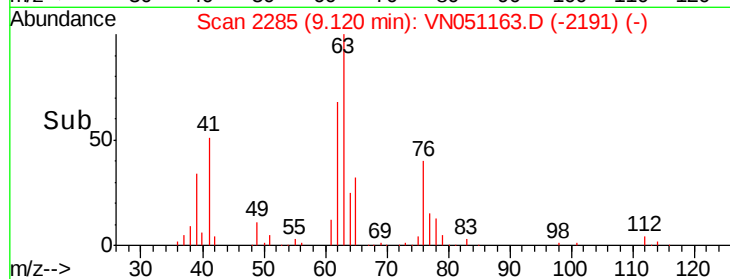
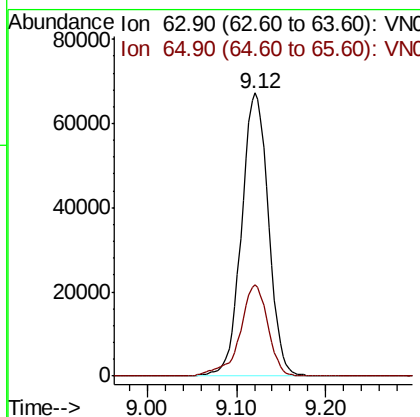
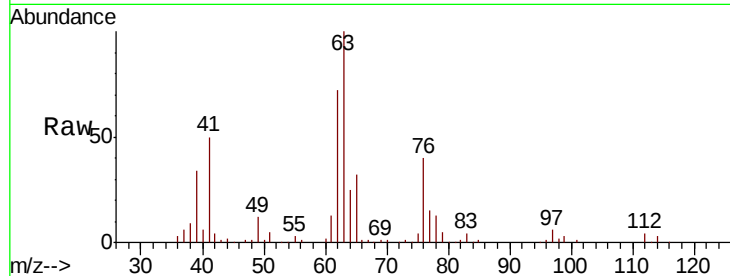
#45
 1,2-Dichloropropane
 Concen: 19.70 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

Tot Ion: 63 Resp: 140958
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.7 37.1

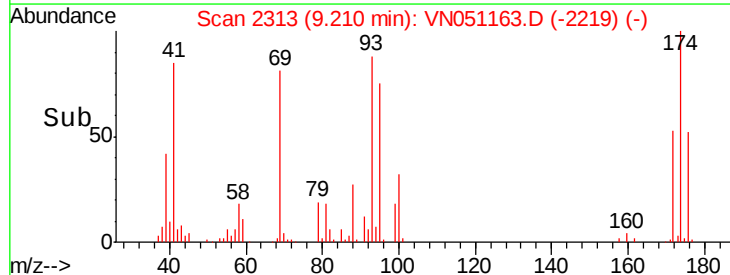
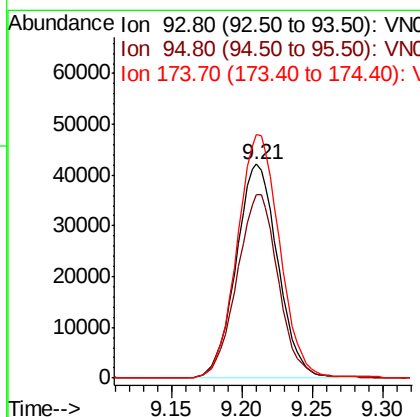
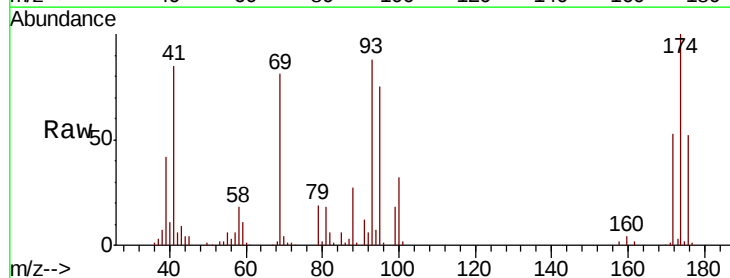
Manual Integrations
 APPROVED

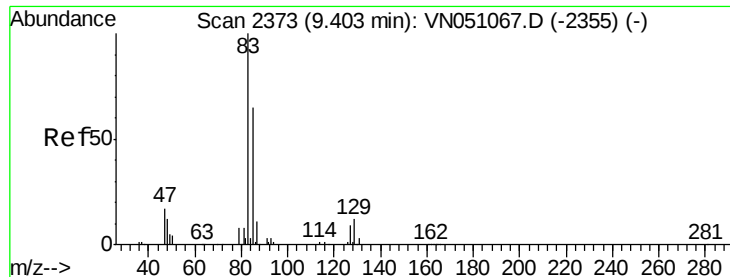
MMDadoda
 9/14/2018 11:47:05 AM



#46
 Dibromomethane
 Concen: 19.96 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion: 93 Resp: 87136
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.8 100.2
 174 116.2 93.3 139.9





#47

Bromodichloromethane

Concen: 20.19 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

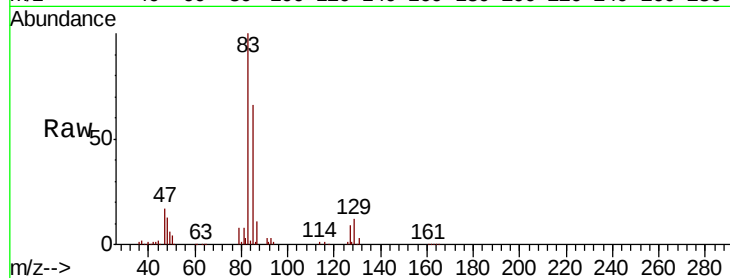
ClientSampleId :

VN0913WBSD01

Tot Ion:	83	Resp:	179160
Ion Ratio	Lower	Upper	
83	100		
85	66.4	52.3	78.5
127	9.2	7.5	11.3

Manual Integrations
APPROVED

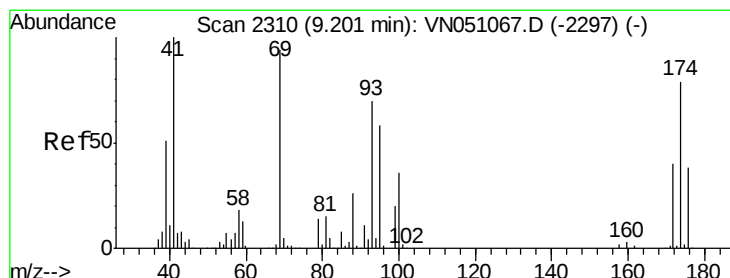
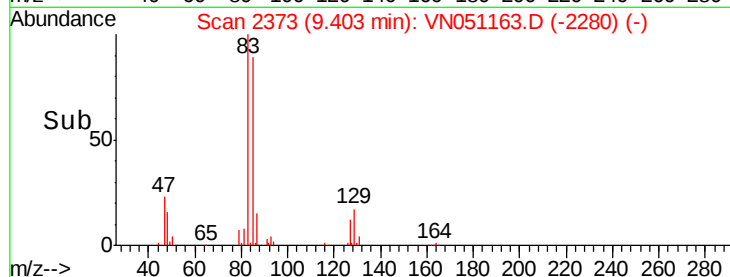
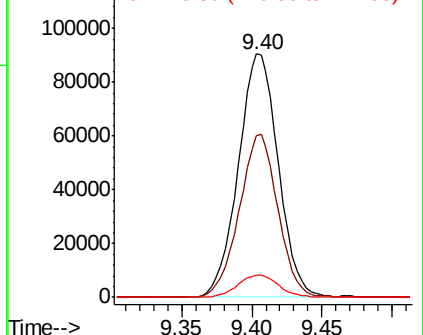
MMDadoda
9/14/2018 11:47:05 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051163.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051163.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051163.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.30 ug/l

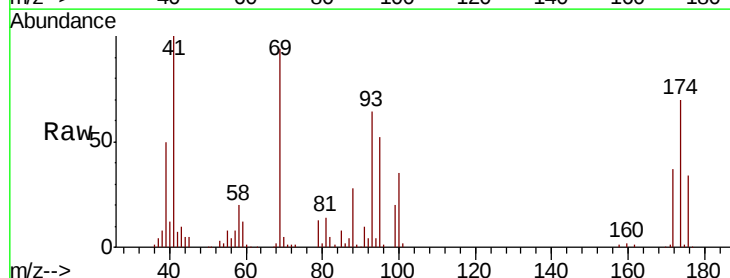
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

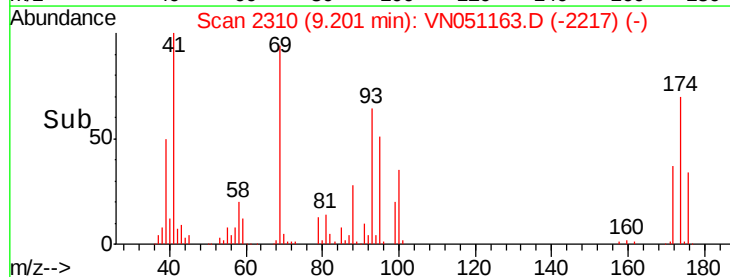
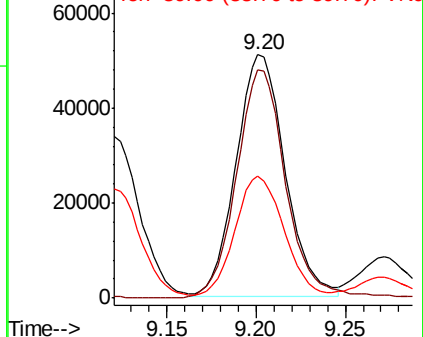
Tgt Ion:	41	Resp:	97454
Ion Ratio	Lower	Upper	
41	100		
69	95.6	77.7	116.5
39	50.9	41.6	62.4

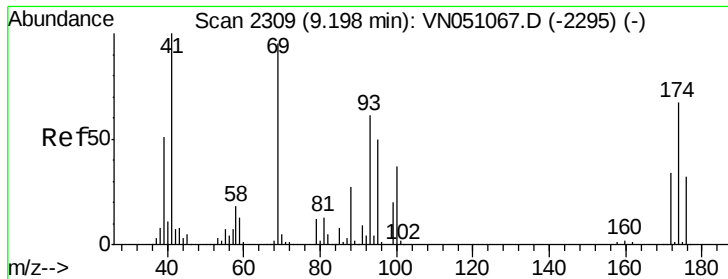


Abundance Ion 41.00 (40.70 to 41.70): VN051163.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051163.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051163.D (-2217) (-)





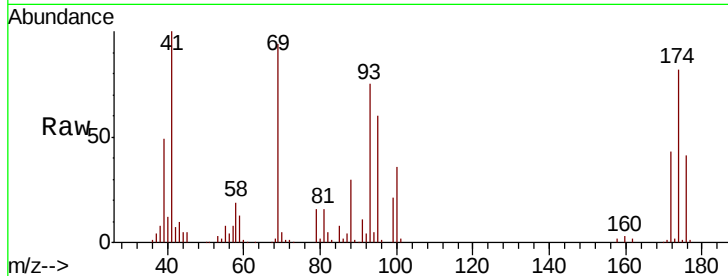
#49
1,4-Dioxane
Concen: 438.56 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

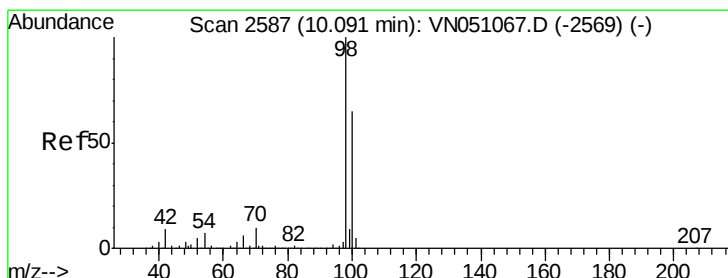
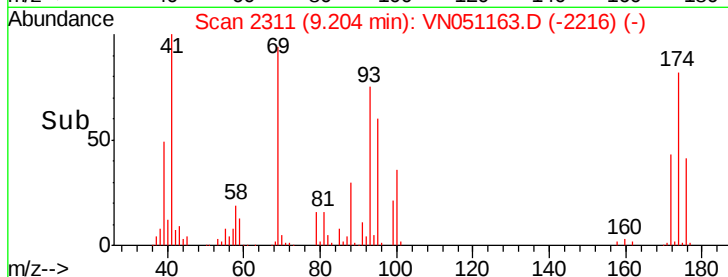
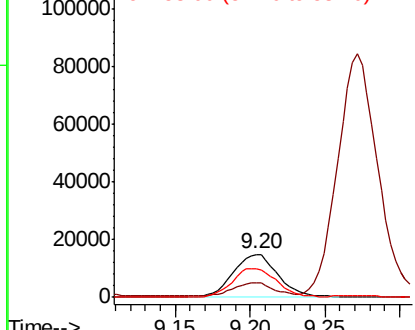
Tot Ion	88	Resp	31466
Ion Ratio	Lower	Upper	
88	100		
43	29.3	23.7	35.5
58	67.3	54.6	82.0

Manual Integrations
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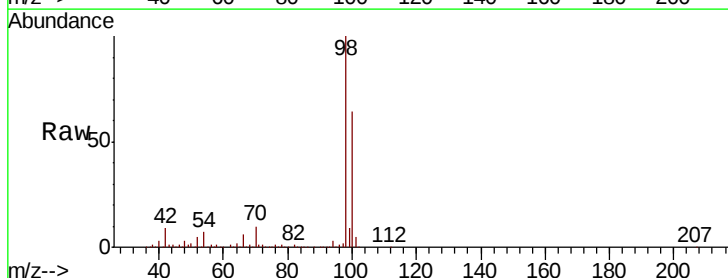


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

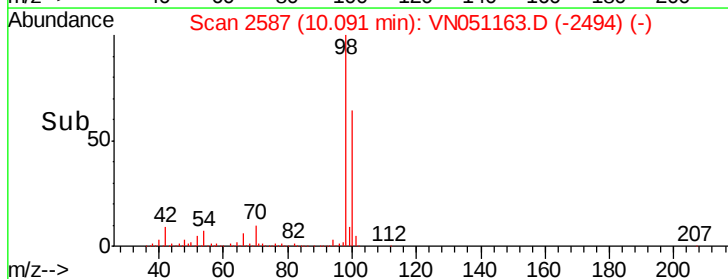
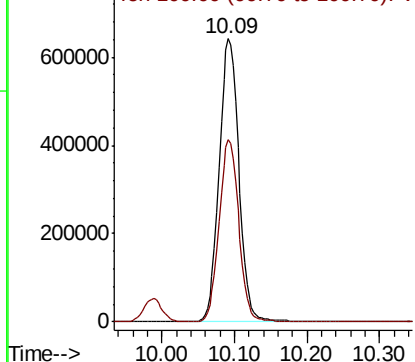


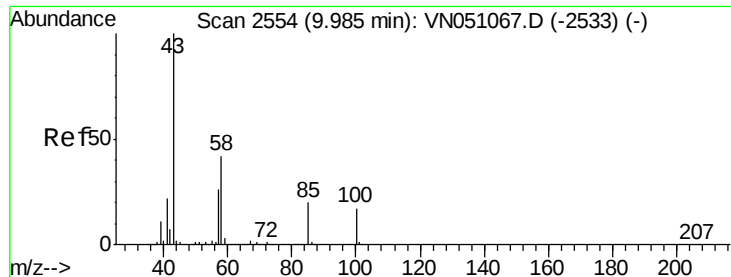
#50
Toluene-d8
Concen: 50.66 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	98	Resp	1208741
Ion Ratio	Lower	Upper	
98	100		
100	64.2	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





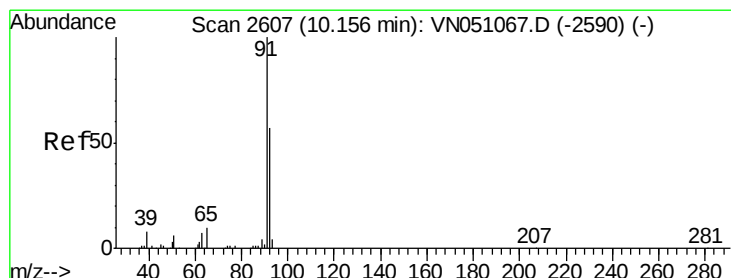
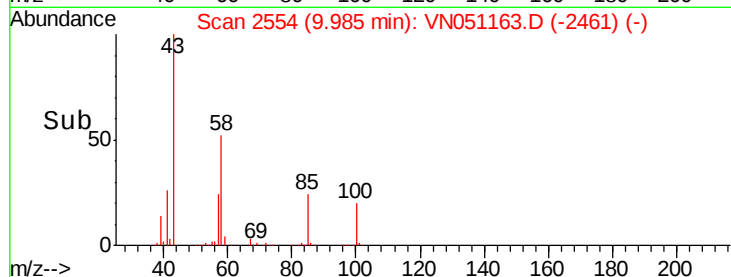
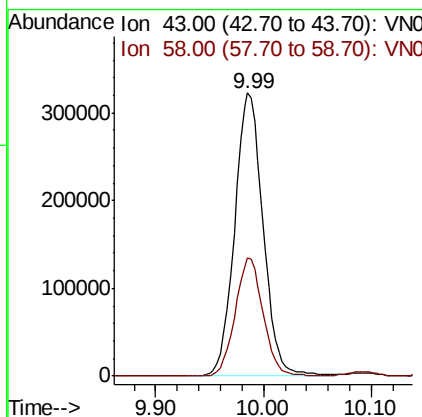
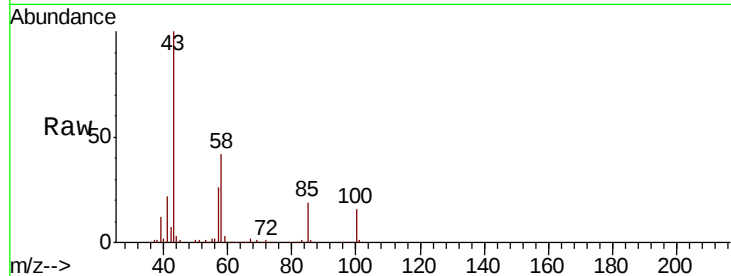
#51
4-Methyl-2-Pentanone
Concen: 113.90 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleID :
VN0913WBSD01

Tot Ion	43	Resp	591357
Ion Ratio	100	Lower	Upper
43	100		
58	41.1	33.5	50.3

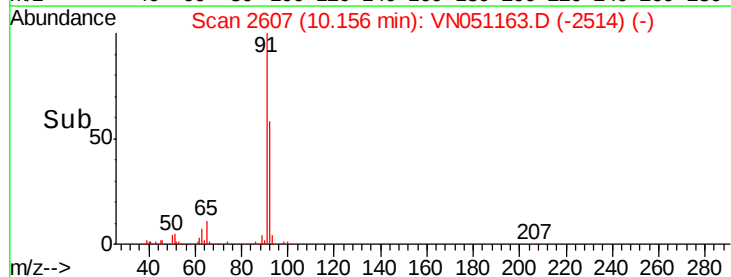
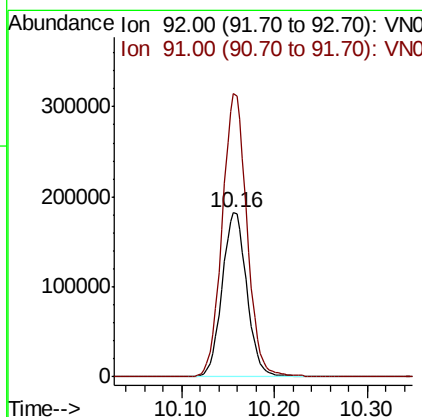
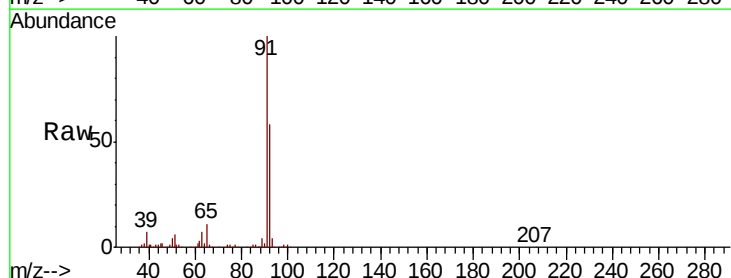
Manual Integrations
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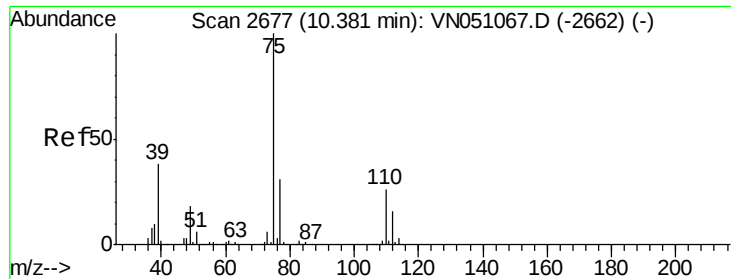
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#52
Toluene
Concen: 19.97 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	92	Resp	337085
Ion Ratio	100	Lower	Upper
92	100		
91	172.4	139.5	209.3





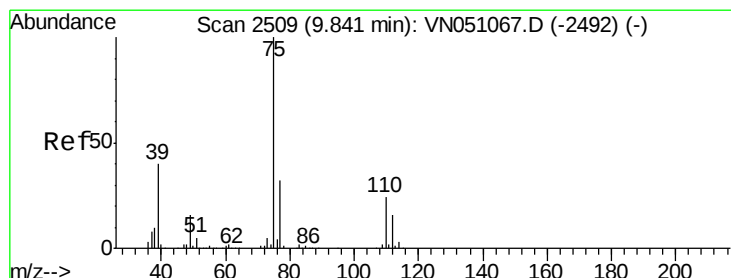
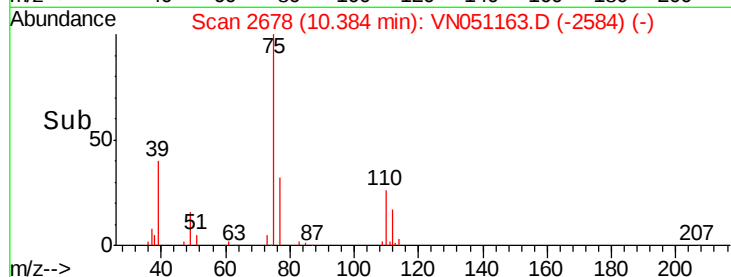
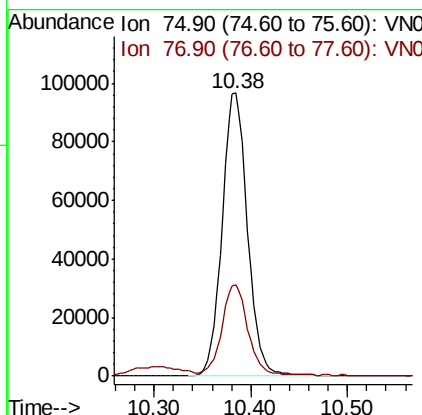
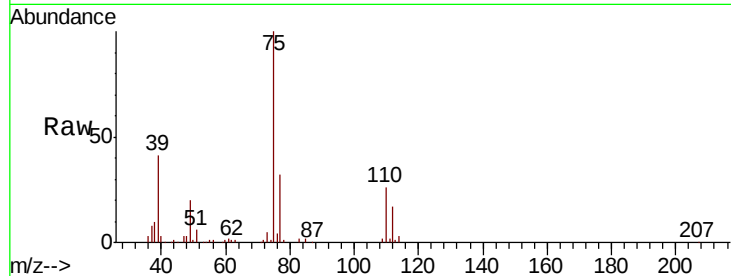
#53
t-1,3-Dichloropropene
Concen: 19.83 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 75 Resp: 176136
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9

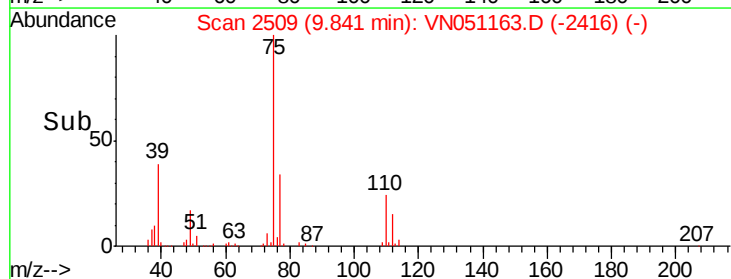
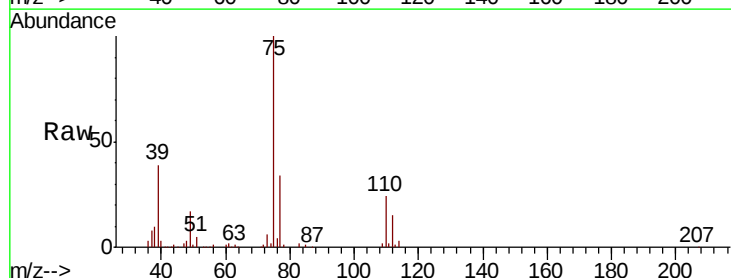
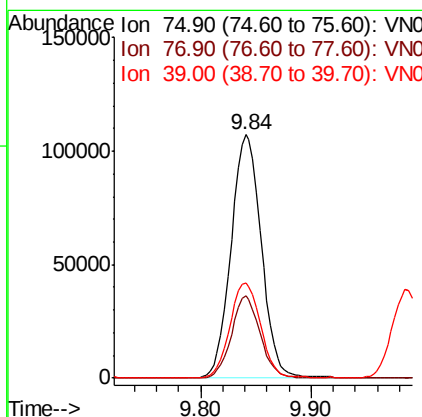
Manual Integrations
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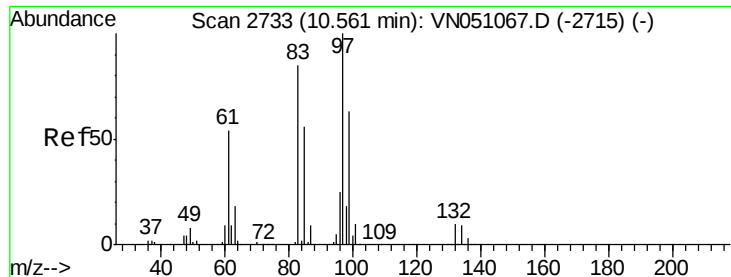
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#54
cis-1,3-Dichloropropene
Concen: 19.62 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 75 Resp: 204294
Ion Ratio Lower Upper
75 100
77 33.9 25.7 38.5
39 39.2 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 21.66 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 97 Resp: 132838

Ion Ratio Lower Upper

97 100

83 83.8 68.2 102.2

85 54.3 44.8 67.2

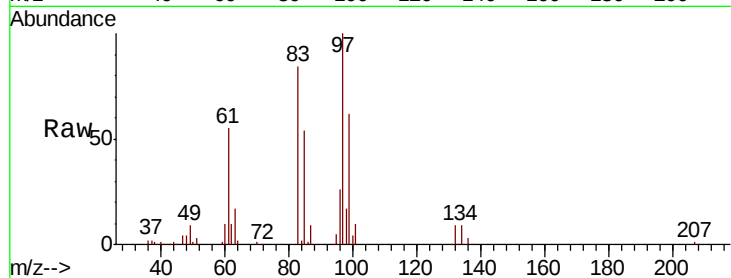
99 61.9 50.2 75.4

Manual Integrations

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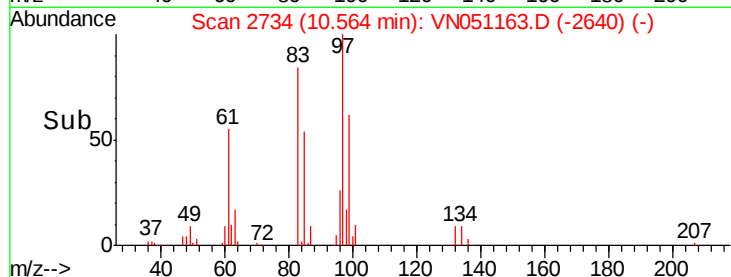
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



Abundance

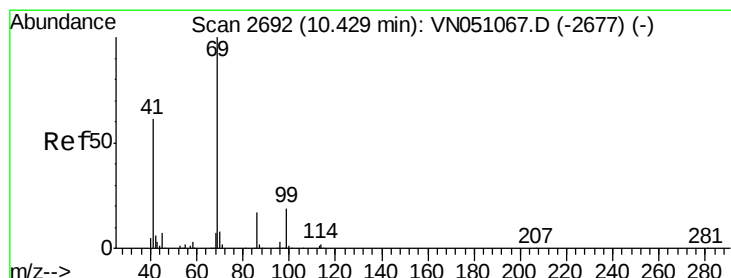
Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



#56

Ethyl methacrylate

Concen: 20.36 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

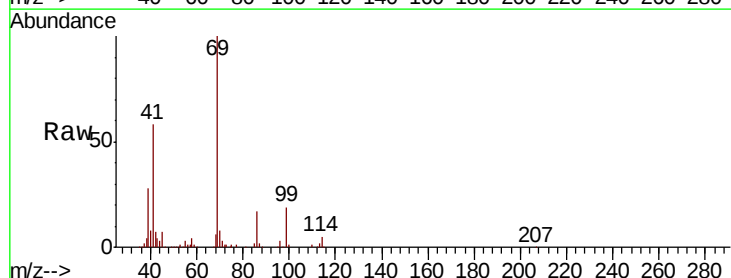
Tgt Ion: 69 Resp: 154917

Ion Ratio Lower Upper

69 100

41 59.0 47.8 71.8

39 28.7 23.0 34.4

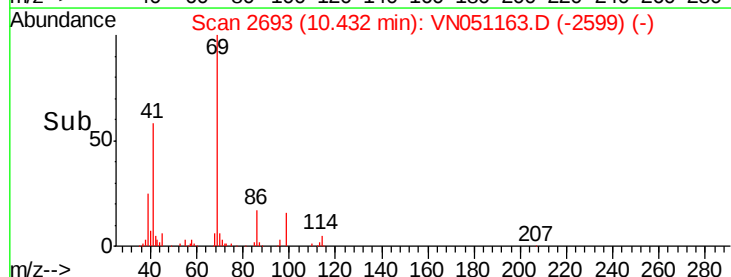


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



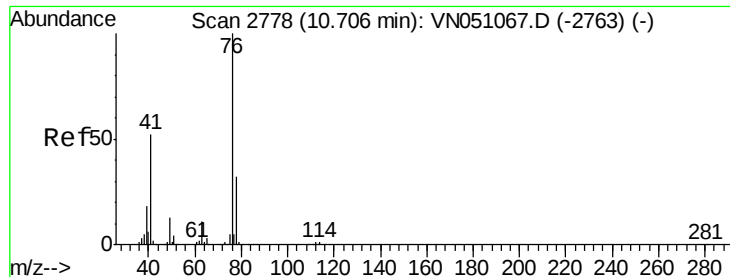
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



#57

1,3-Dichloropropane

Concen: 20.44 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 76 Resp: 207834

Ion Ratio Lower Upper

76 100

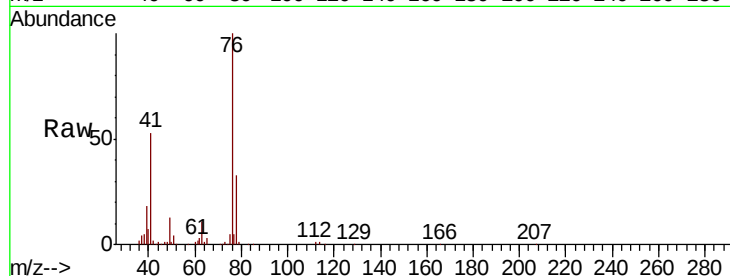
78 32.9 26.1 39.1

Manual Integrations

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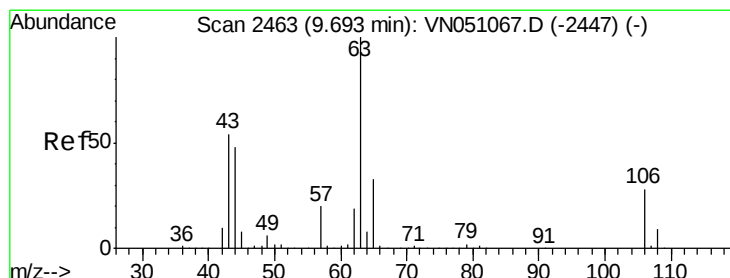
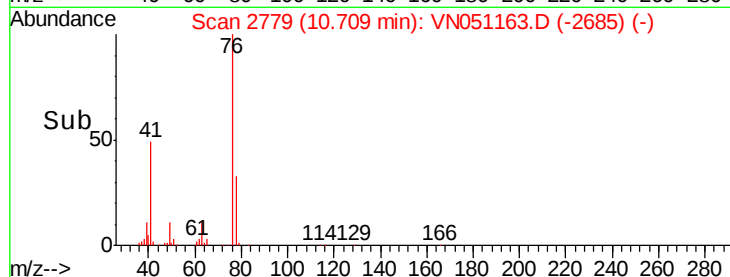
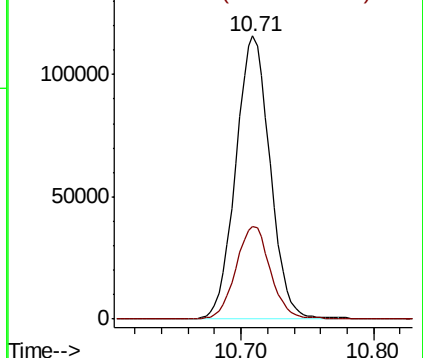
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.20 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051163.D

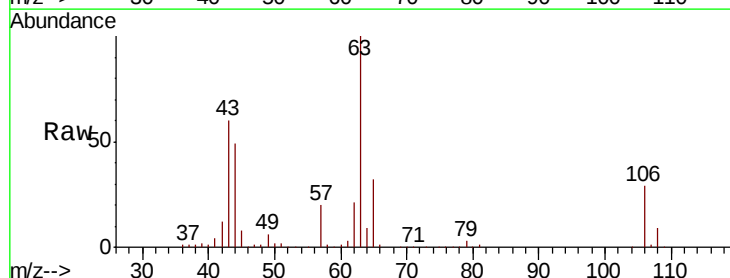
Acq: 13 Sep 2018 11:28

Tgt Ion: 63 Resp: 301987

Ion Ratio Lower Upper

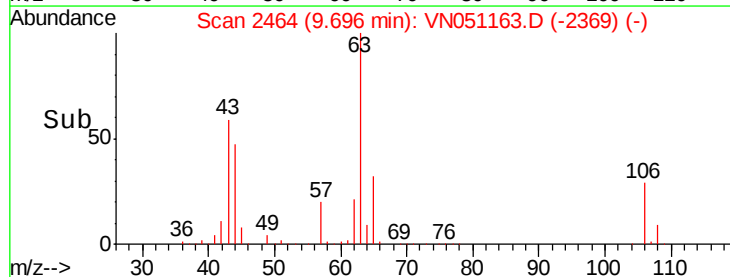
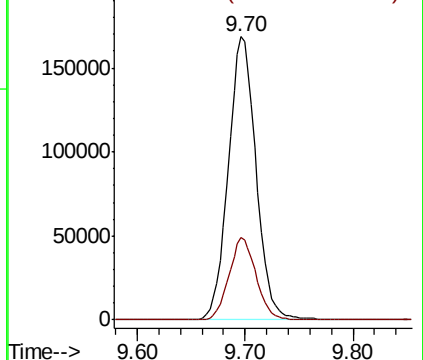
63 100

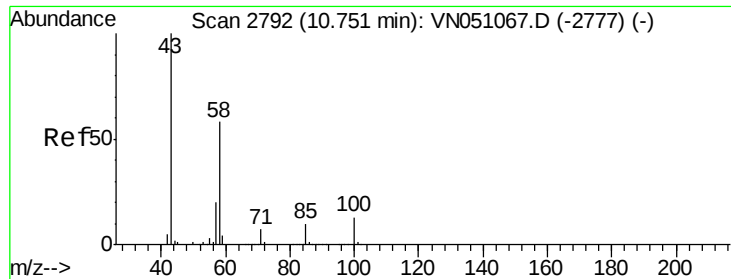
106 28.4 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





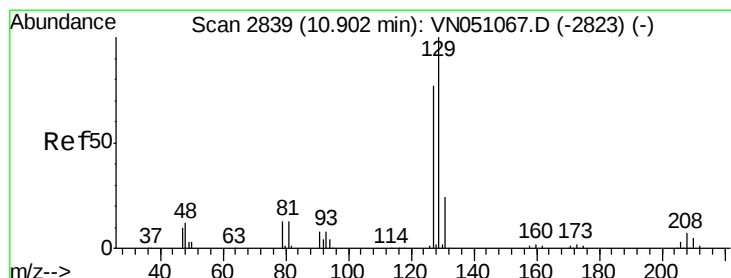
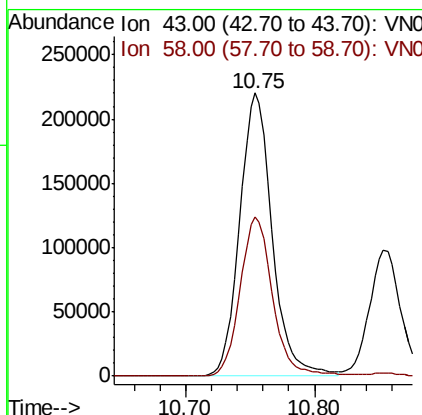
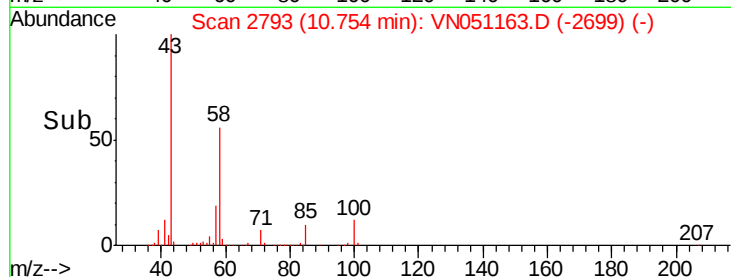
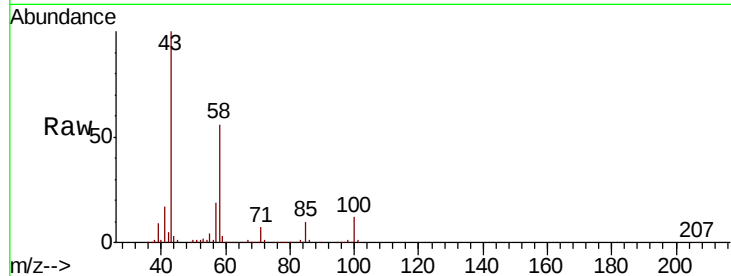
#59
2-Hexanone
Concen: 109.31 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	29.3	88.0

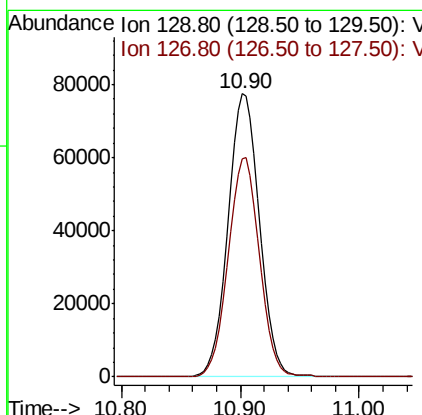
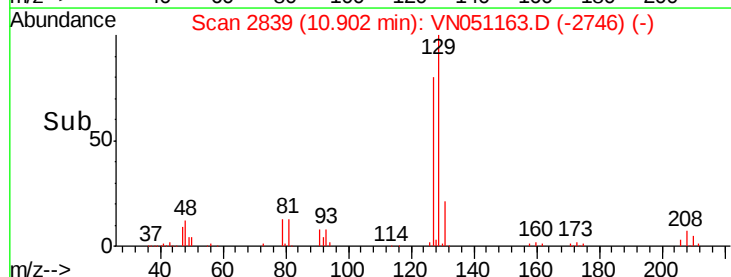
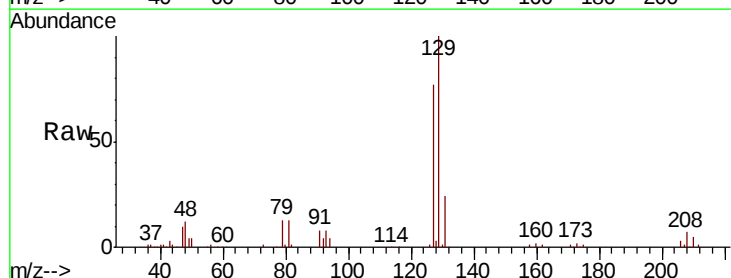
Manual Integrations
APPROVED

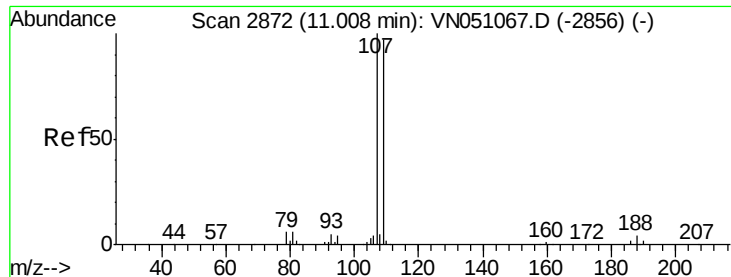
MMDadoda
9/14/2018 11:47:05 AM



#60
Dibromochloromethane
Concen: 20.48 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.34 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion:107 Resp: 121934

Ion Ratio Lower Upper

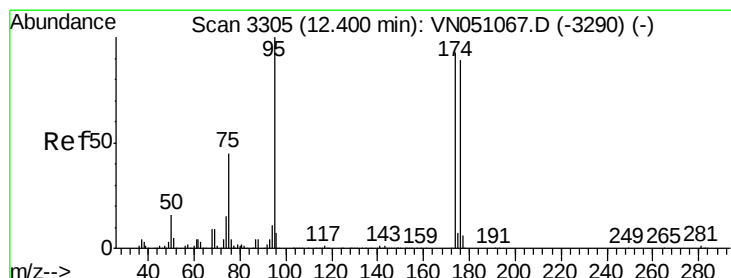
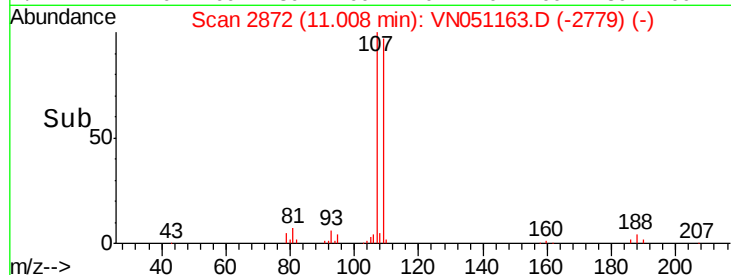
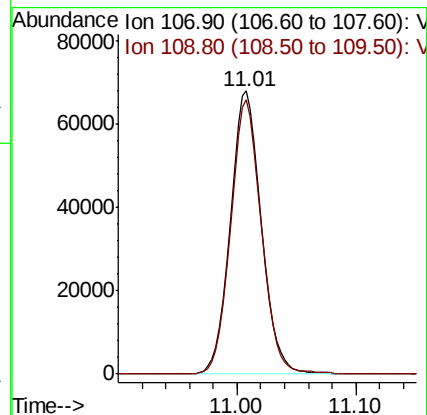
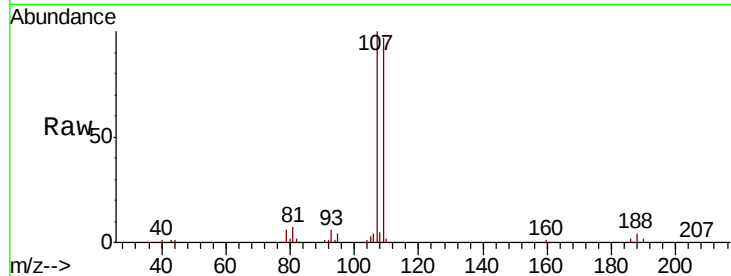
107 100

109 96.5 76.0 114.0

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 48.58 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

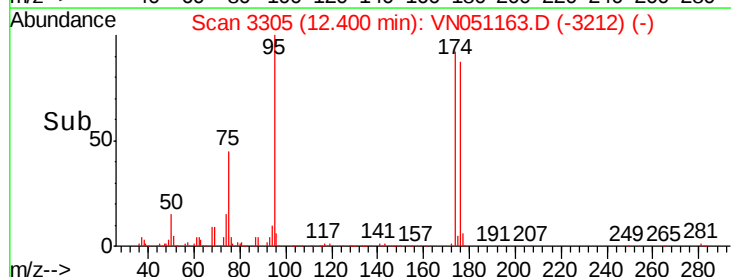
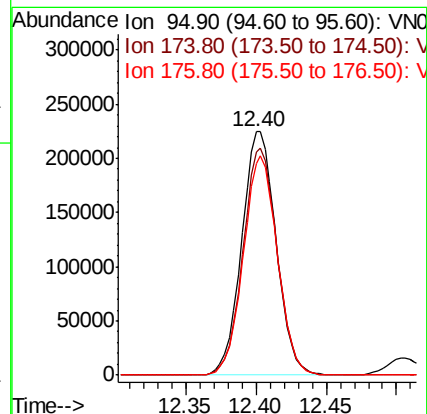
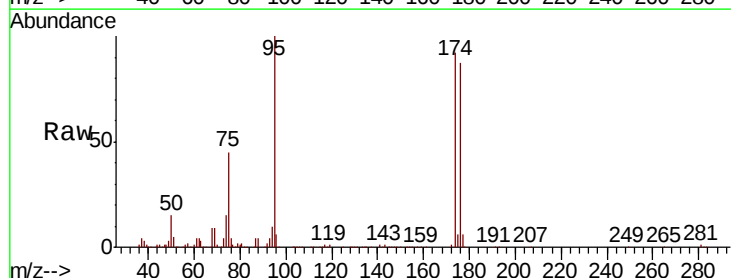
Tgt Ion: 95 Resp: 383470

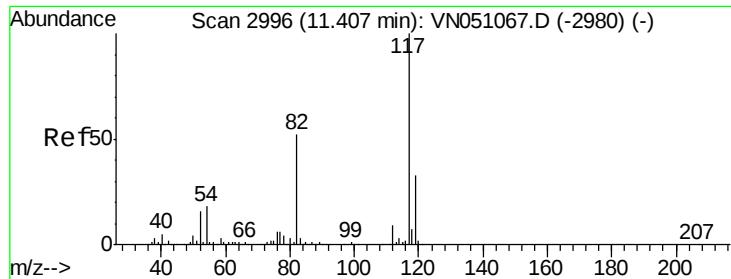
Ion Ratio Lower Upper

95 100

174 92.3 0.0 184.8

176 89.1 0.0 178.6





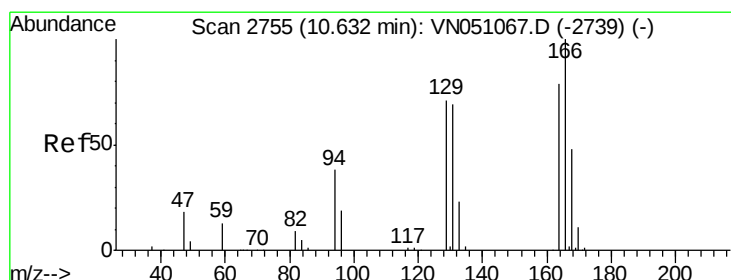
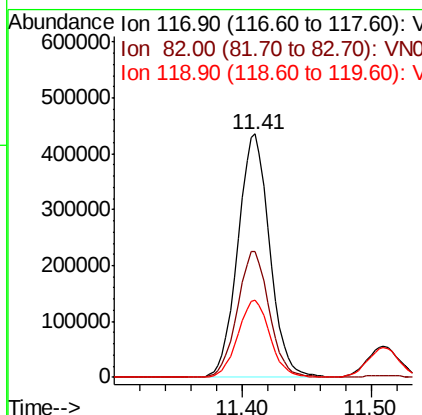
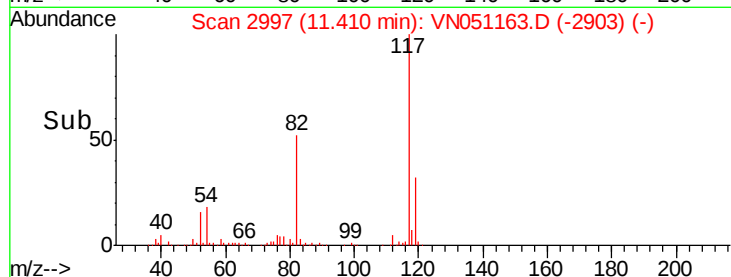
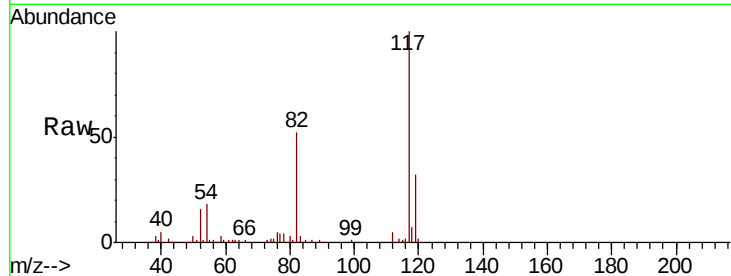
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	746186		
82	51.7		41.8	62.6
119	31.6		26.2	39.2

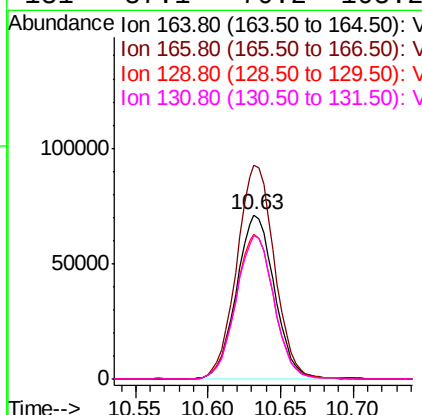
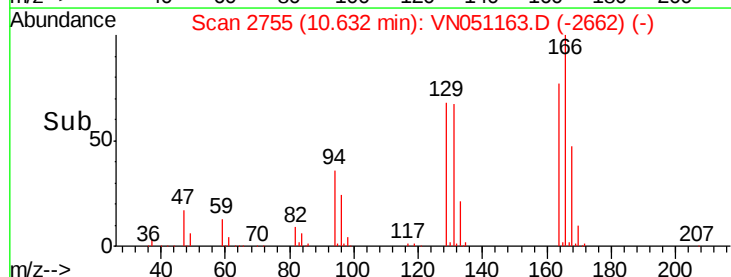
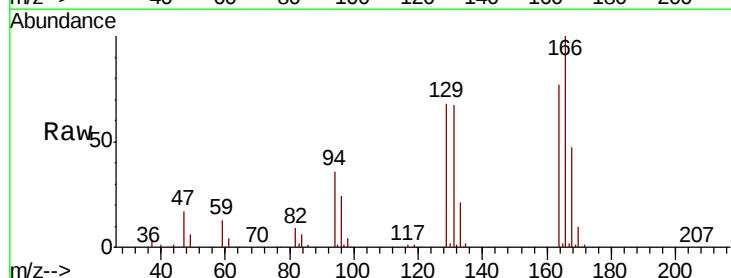
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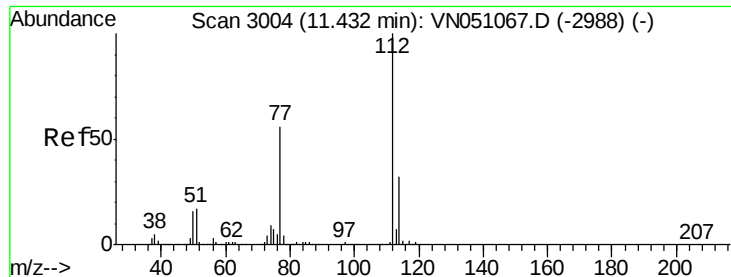
MMDadoda
9/14/2018 11:47:05 AM



#64
Tetrachloroethene
Concen: 18.99 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129323		
166	130.0		101.3	151.9
129	87.9		72.2	108.2
131	87.1		70.2	105.2





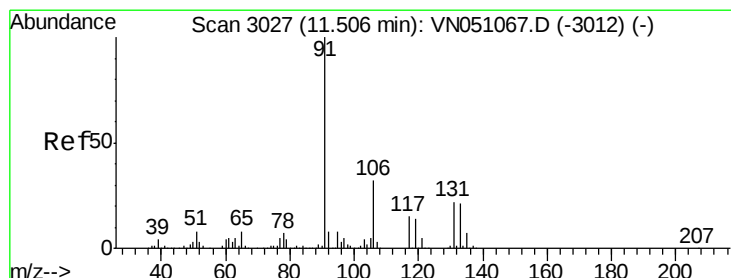
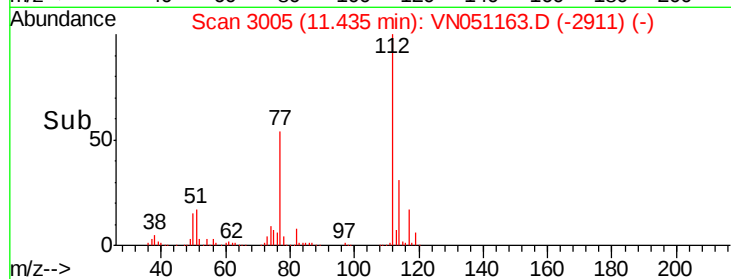
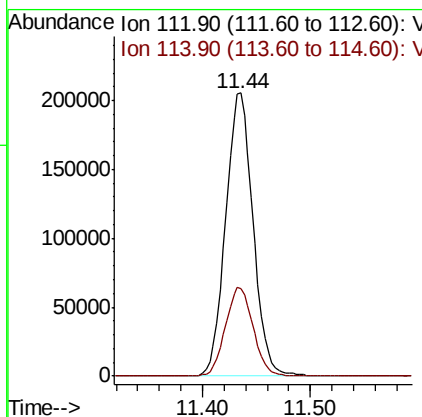
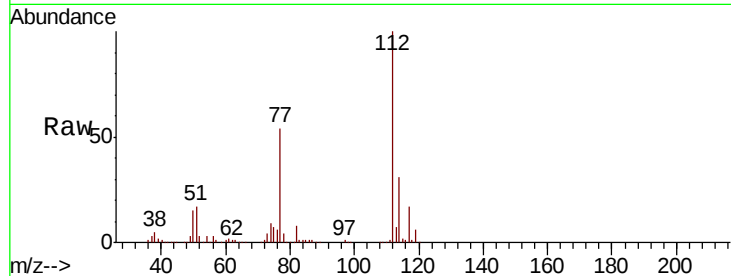
#65
Chlorobenzene
Concen: 19.32 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.8	38.6

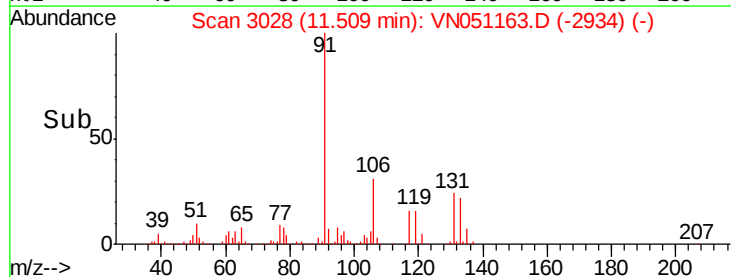
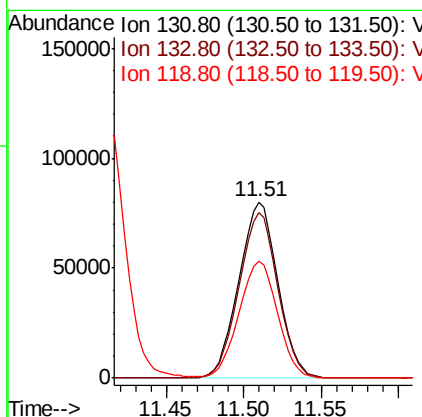
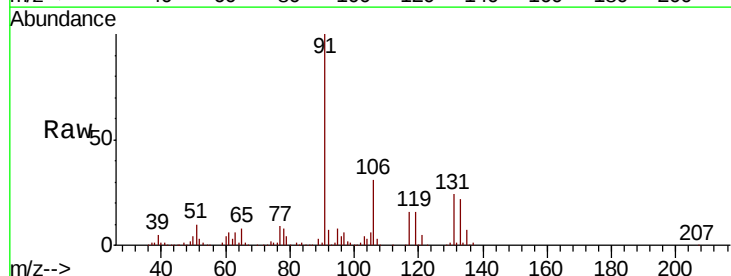
Manual Integrations
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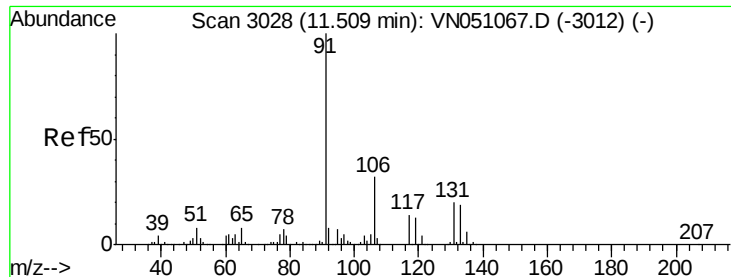
MMDadoda
9/14/2018 11:47:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.65 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.5	142.6
119	66.0	33.2	99.6





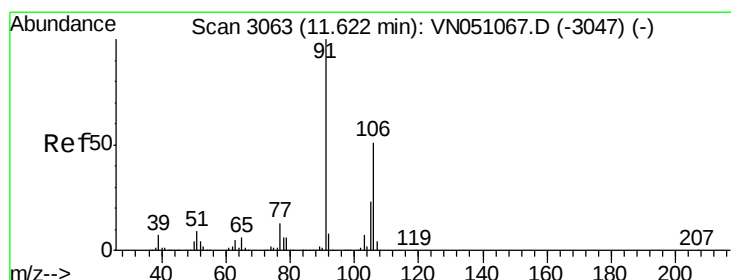
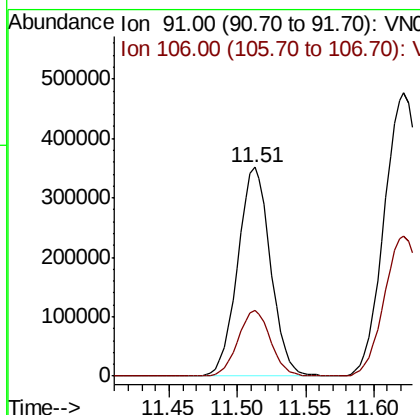
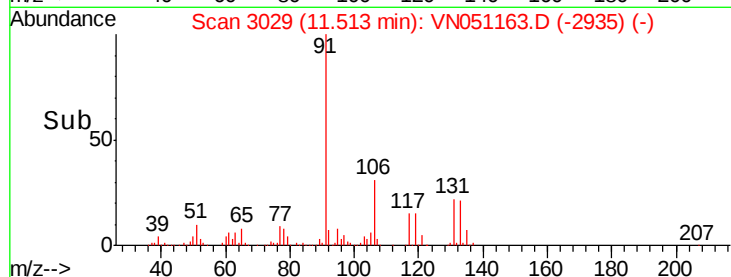
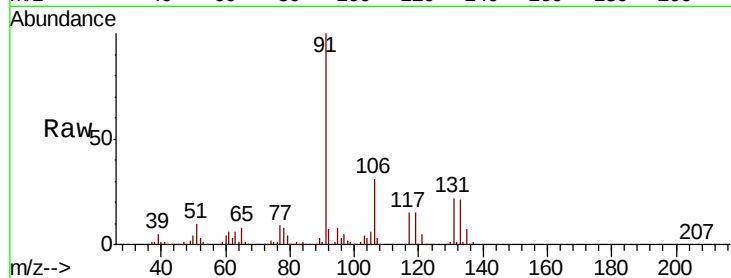
#67
Ethyl Benzene
Concen: 19.28 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion: 91 Resp: 587399
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

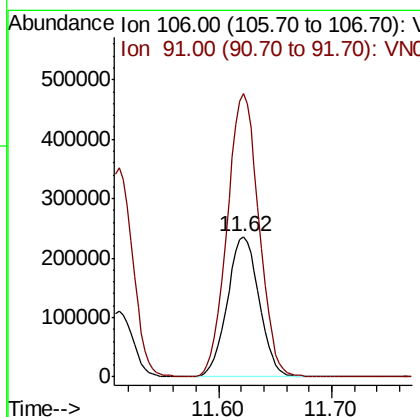
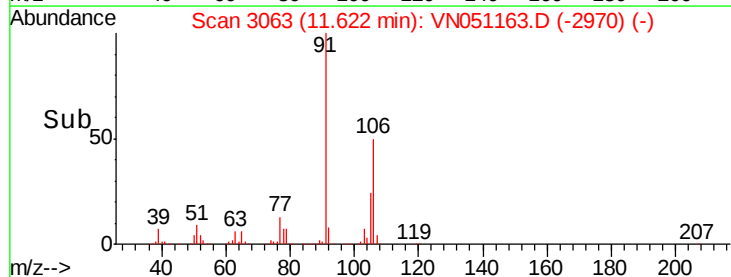
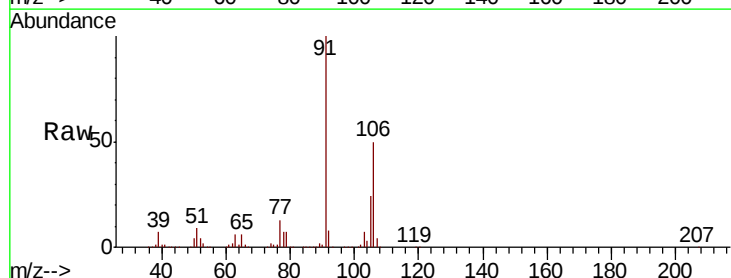
Manual Integrations
APPROVED

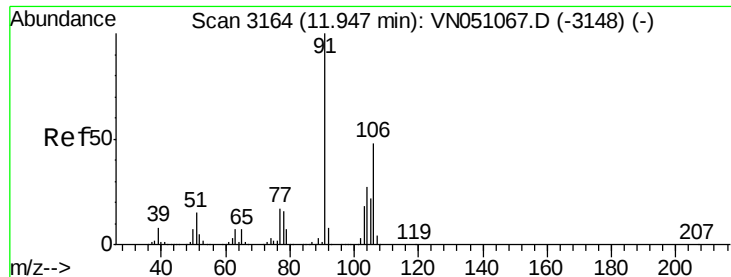
MMDadoda
9/14/2018 11:47:05 AM



#68
m/p-Xylenes
Concen: 39.43 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion: 106 Resp: 461431
Ion Ratio Lower Upper
106 100
91 201.3 159.8 239.6





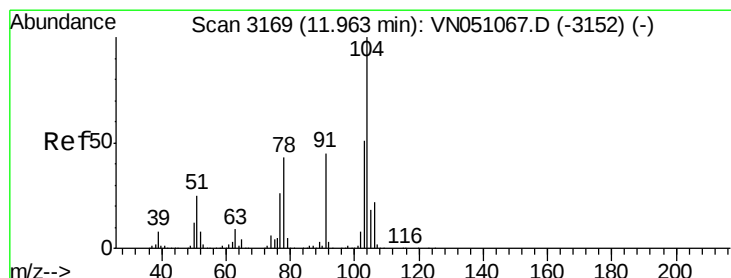
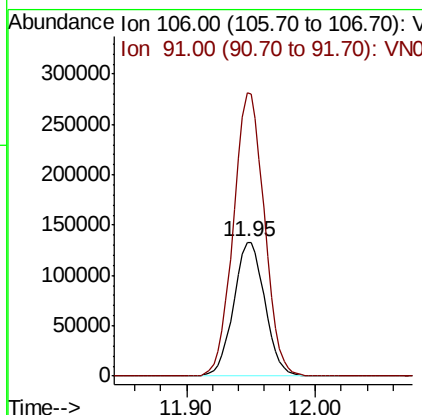
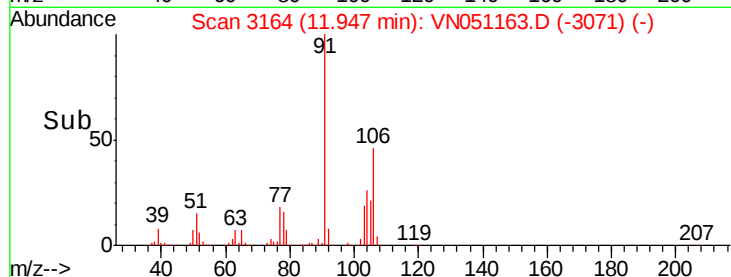
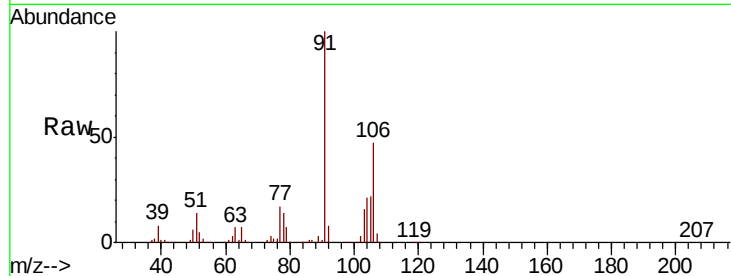
#69
o-Xylene
Concen: 19.70 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	223235		
91	91	210.1	105.1	315.1	

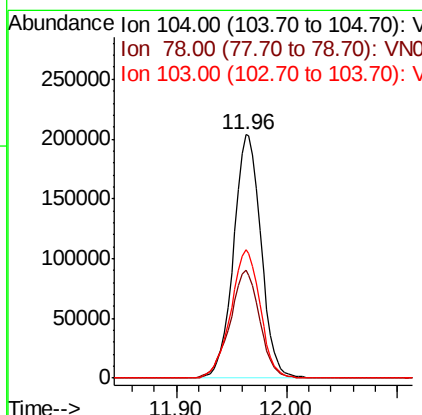
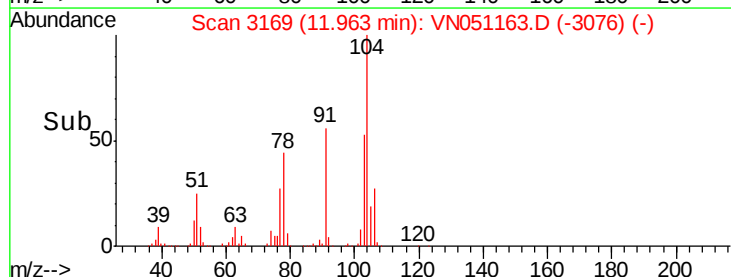
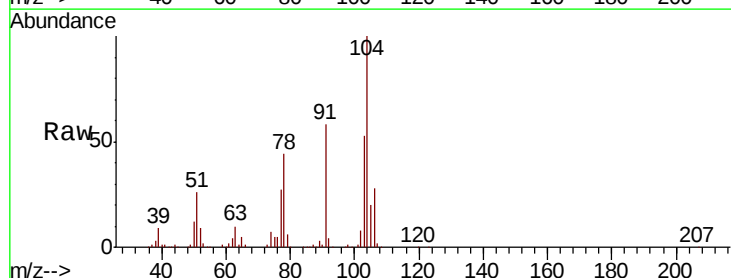
Manual Integrations
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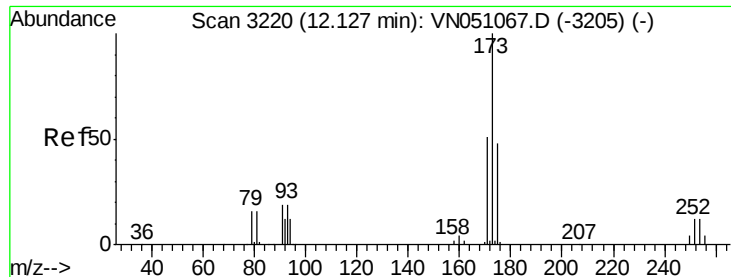
MMDadoda
9/14/2018 11:47:05 AM



#70
Styrene
Concen: 19.98 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	351322		
78	78	48.2	37.7	56.5	
103	103	56.5	44.6	67.0	





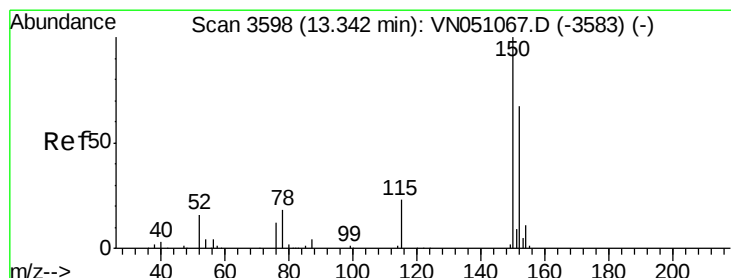
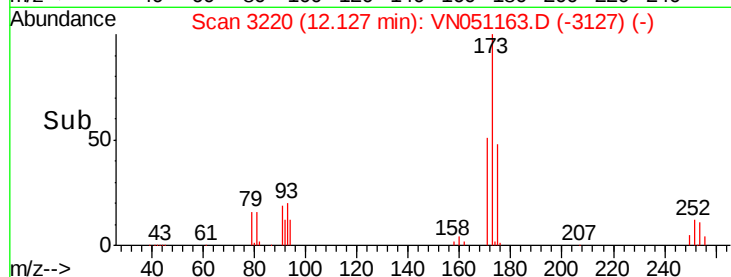
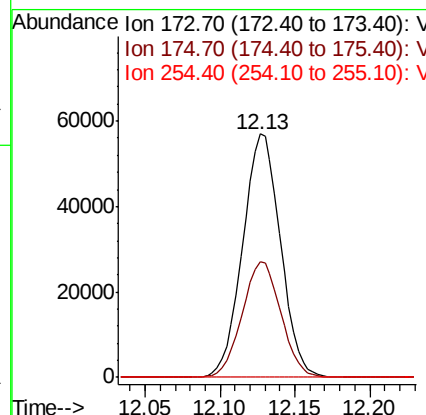
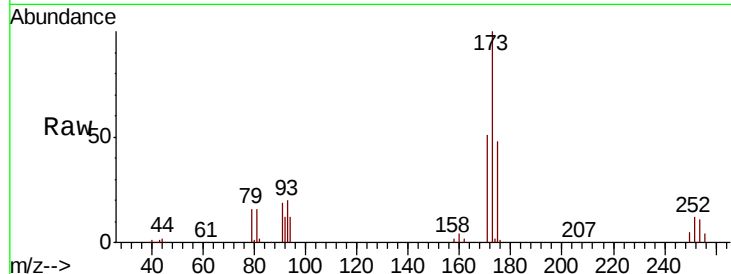
#71
Bromoform
Concen: 21.01 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.0	0.0	0.0

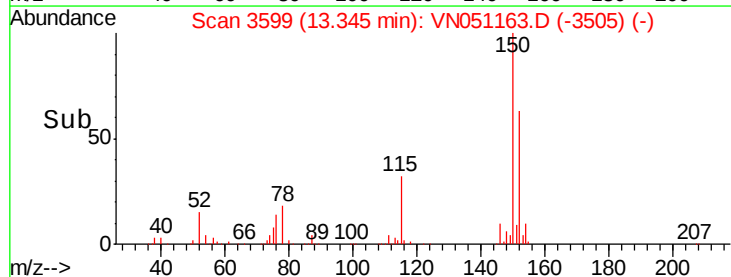
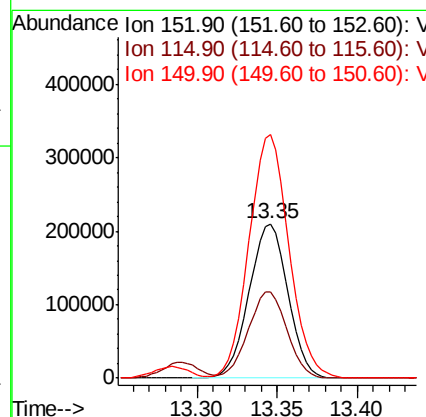
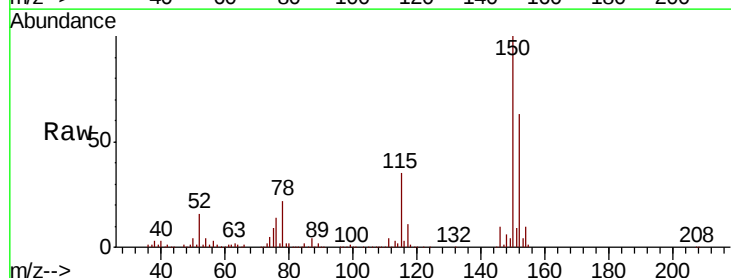
Manual Integrations
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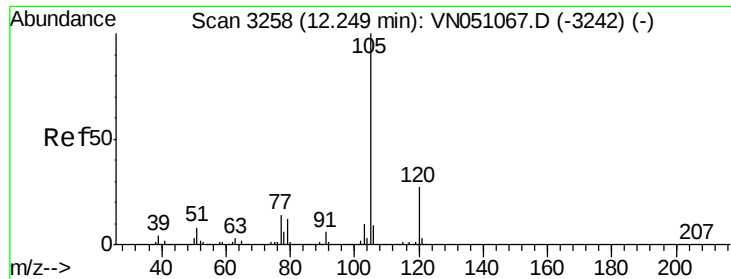
MMDadoda
9/14/2018 11:47:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.7
150	162.5	0.0	349.0





#73

Isopropylbenzene

Concen: 20.03 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 105 Resp: 586953

Ion Ratio Lower Upper

105 100

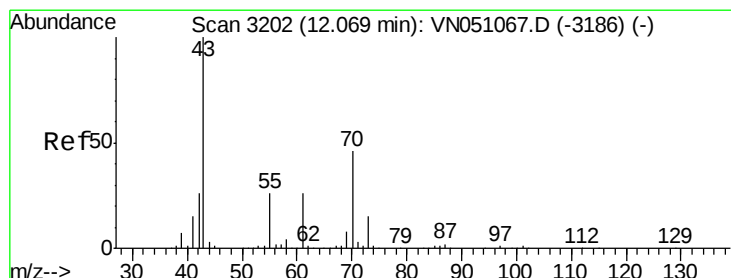
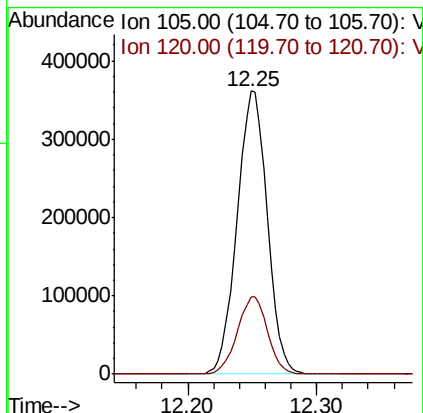
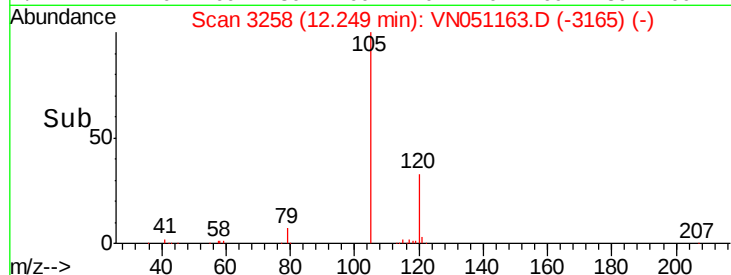
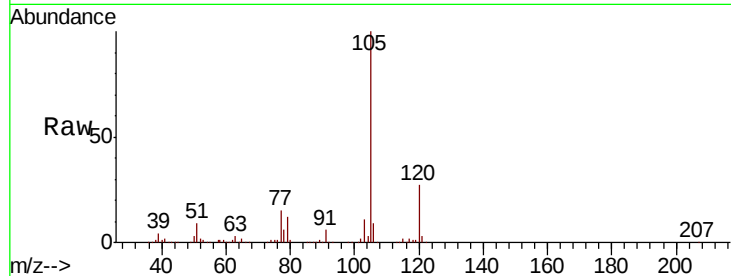
120 27.3 13.6 40.7

Manual Integrations

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MMDadoda

9/14/2018 11:47:05 AM



#74

N-ethyl acetate

Concen: 20.29 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion: 43 Resp: 149645

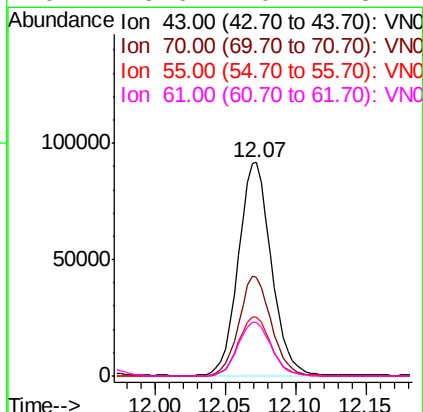
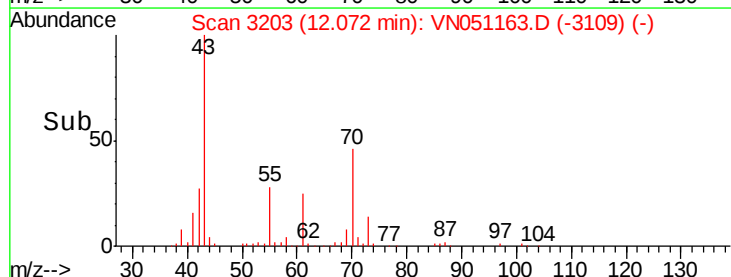
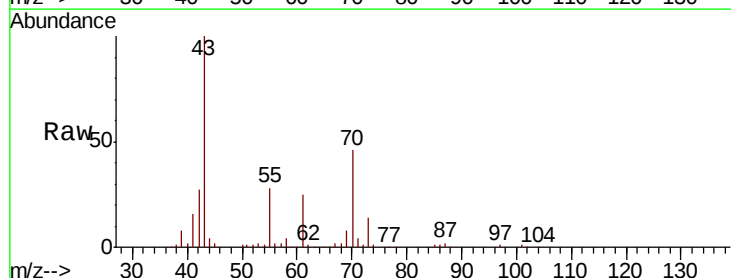
Ion Ratio Lower Upper

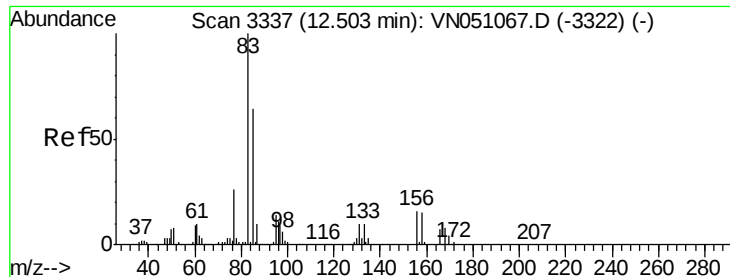
43 100

70 46.1 37.0 55.4

55 27.7 21.3 31.9

61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.92 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

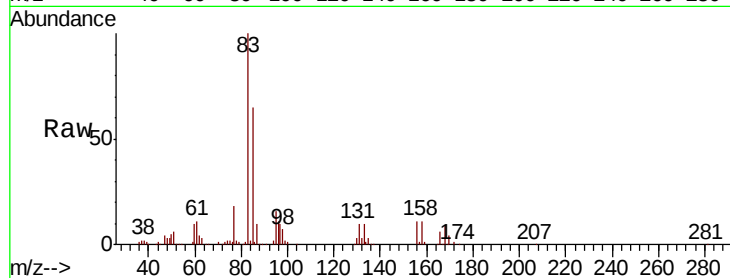
ClientSampleId :

VN0913WBSD01

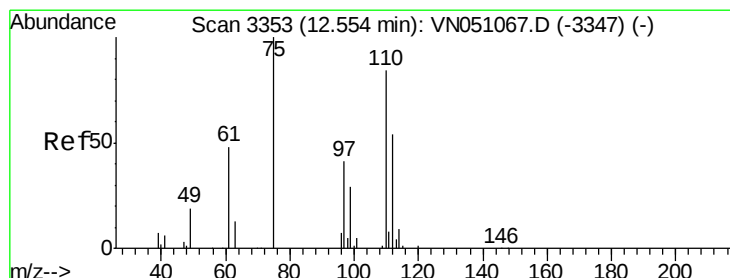
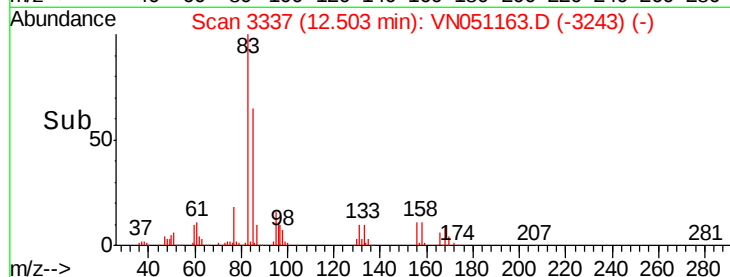
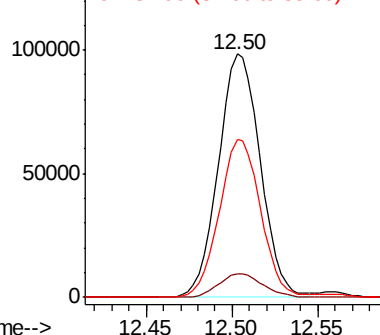
Tot Ion:	83	Resp:	166463
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	64.1	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN051163.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 25.16 ug/l m

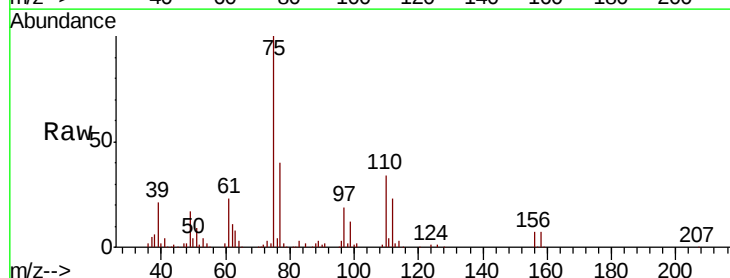
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

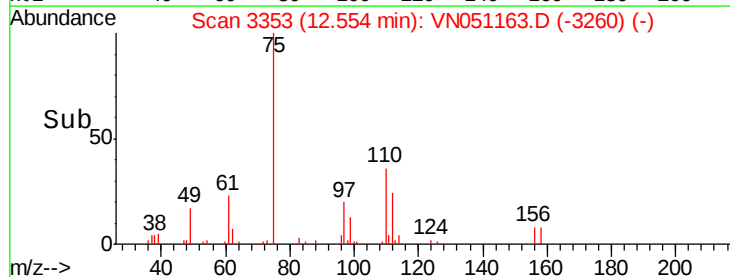
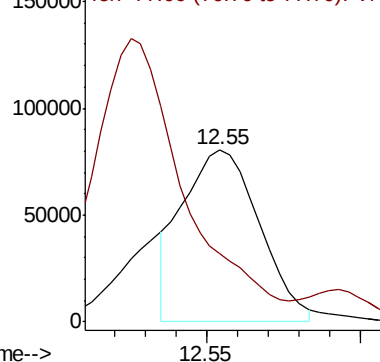
Lab File: VN051163.D

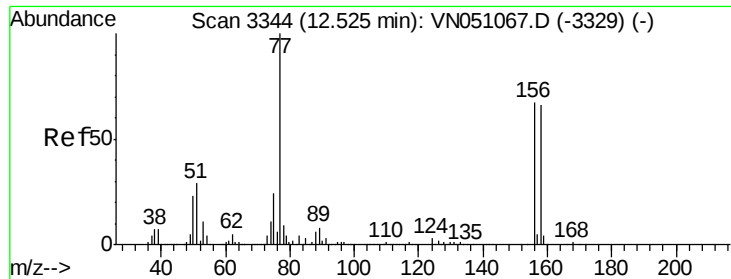
Acq: 13 Sep 2018 11:28

Tgt Ion:	75	Resp:	140324
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051163.D (-3260) (-)





#77

Bromobenzene

Concen: 19.41 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

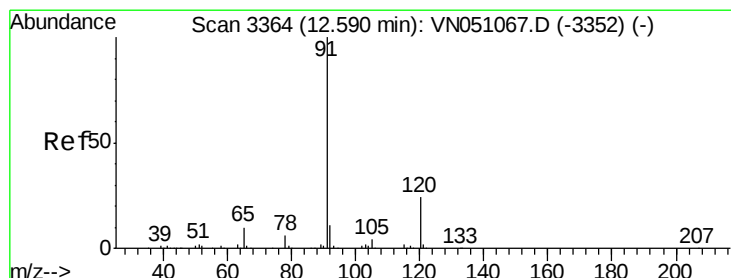
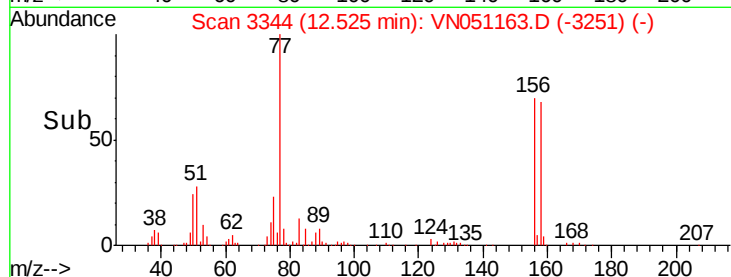
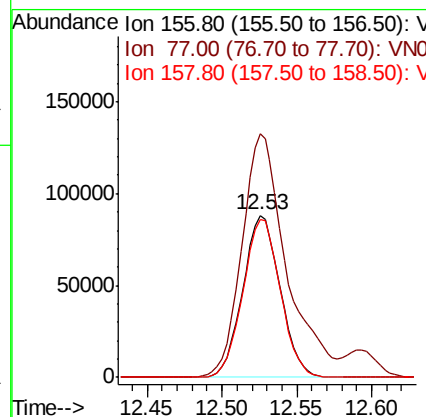
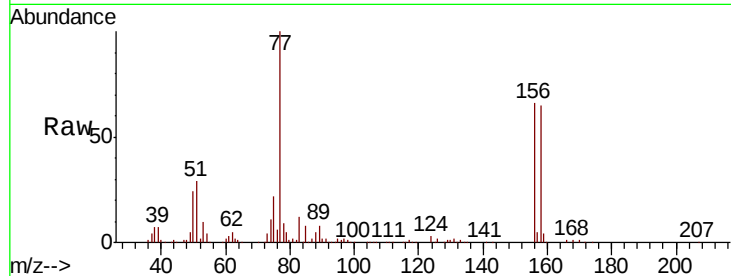
ClientSampleId :

VN0913WBSD01

Tot Ion:	156	Resp:	152831
Ion Ratio	Lower	Upper	
156	100		
77	179.2	87.5	262.6
158	97.7	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.72 ug/l

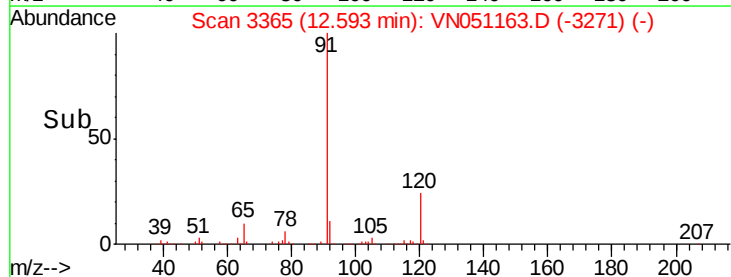
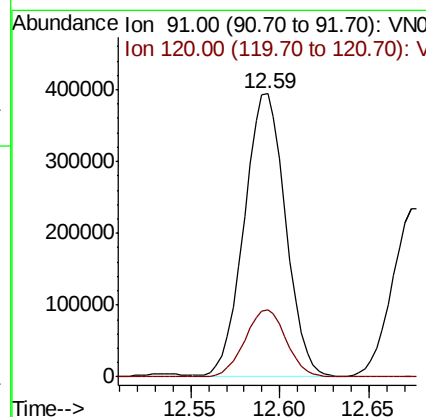
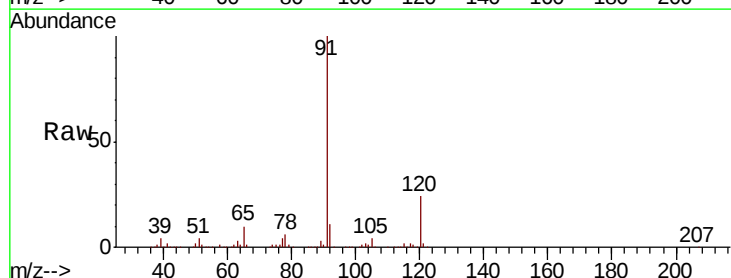
RT: 12.59 min Scan# 3365

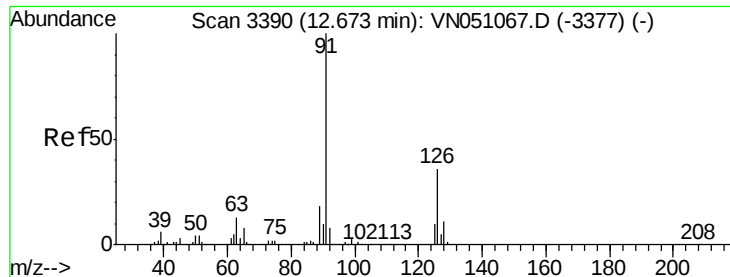
Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion:	91	Resp:	635373
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





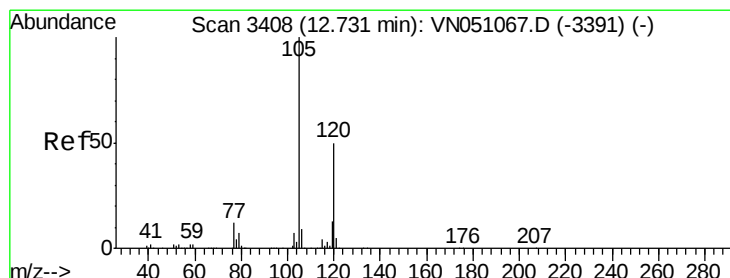
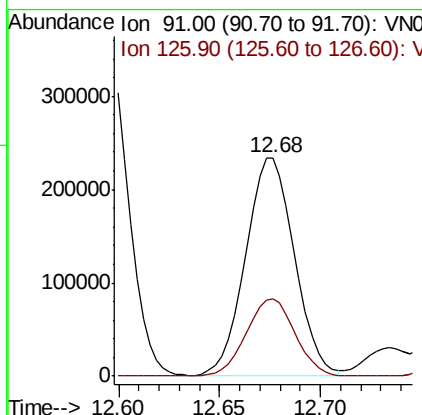
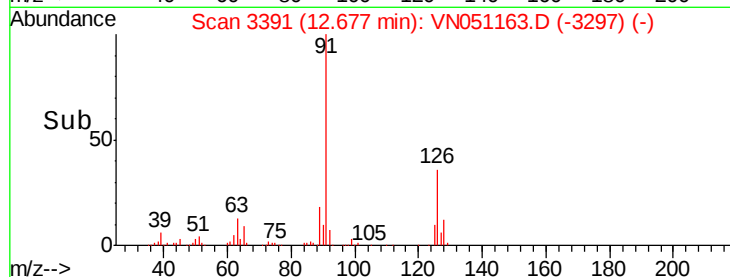
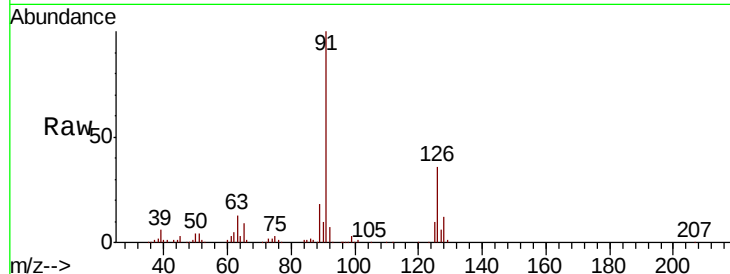
#79
 2-Chlorotoluene
 Concen: 19.58 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7

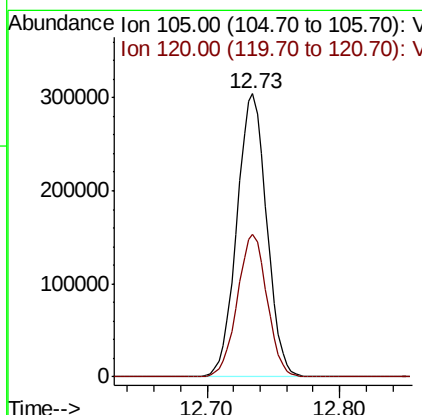
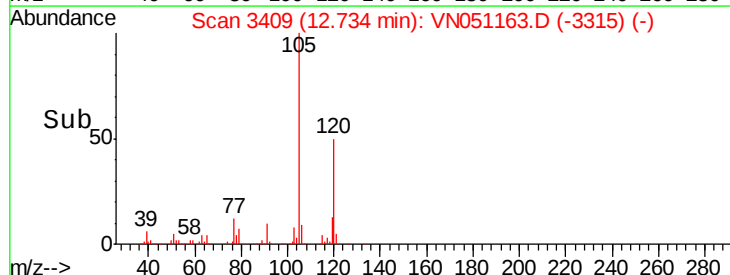
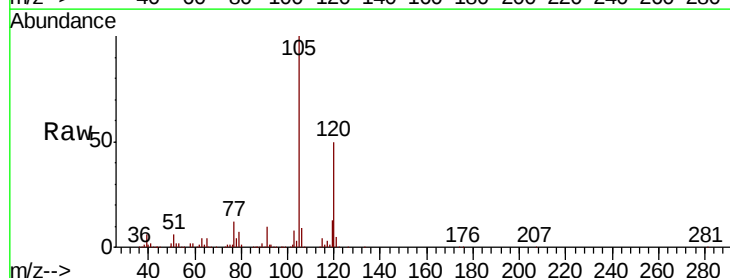
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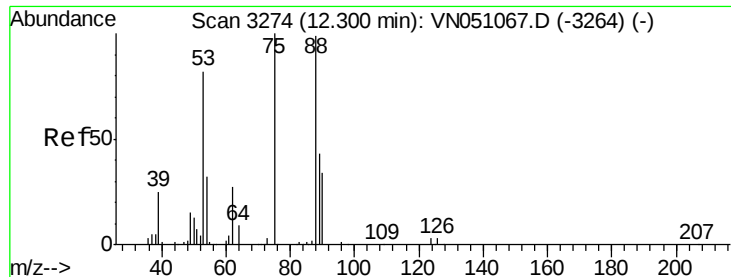
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.02 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.07 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tot Ion: 75 Resp: 36936

Ion Ratio Lower Upper

75 100

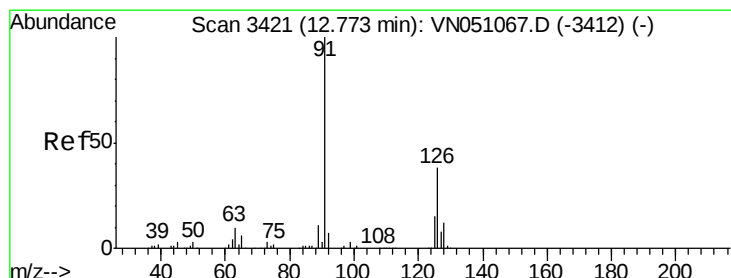
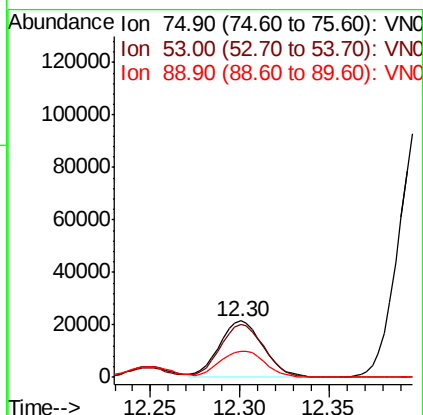
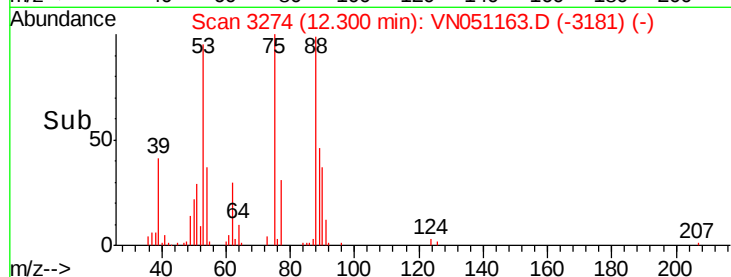
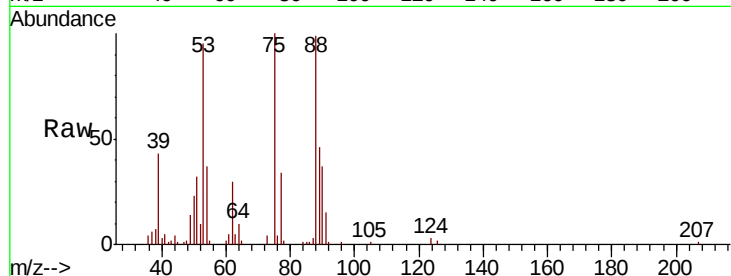
53 94.0 67.8 101.8

89 47.4 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.18 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051163.D

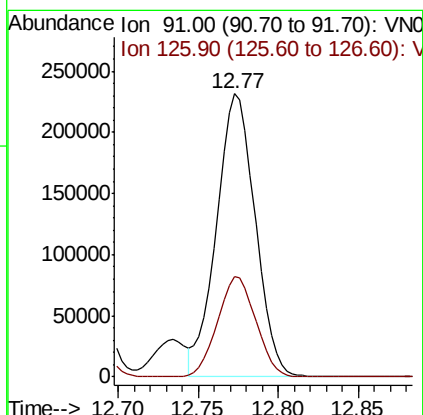
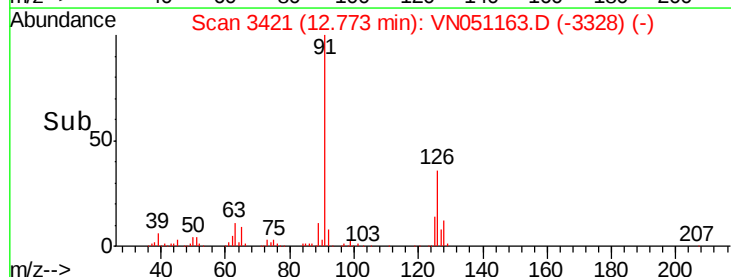
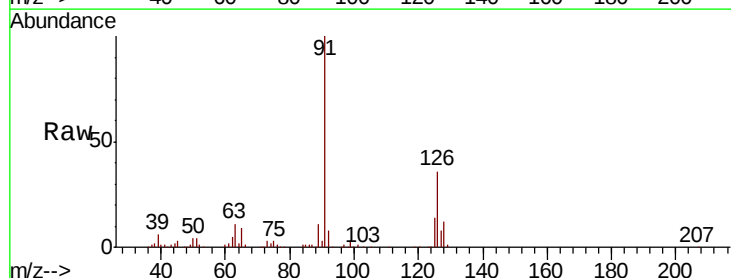
Acq: 13 Sep 2018 11:28

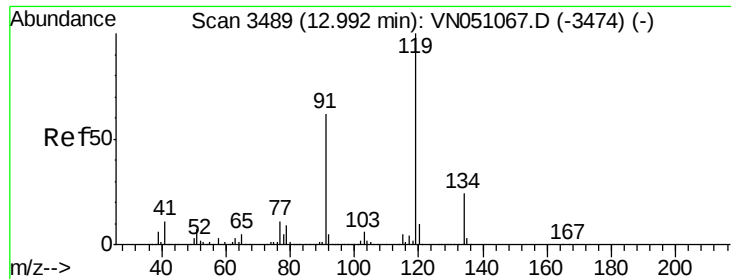
Tgt Ion: 91 Resp: 383401

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8





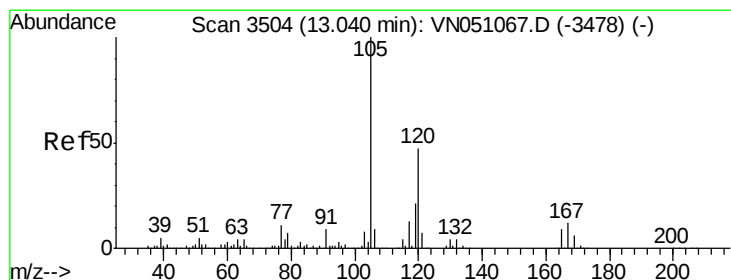
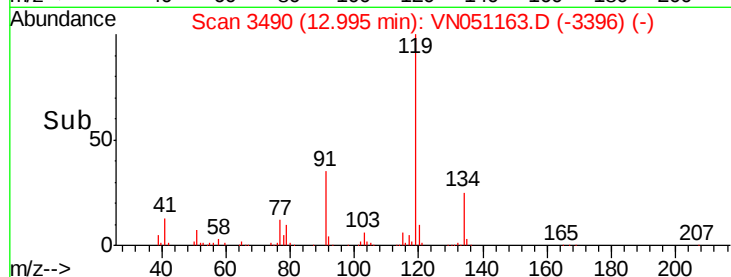
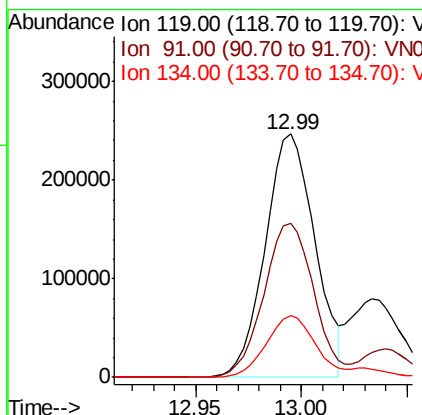
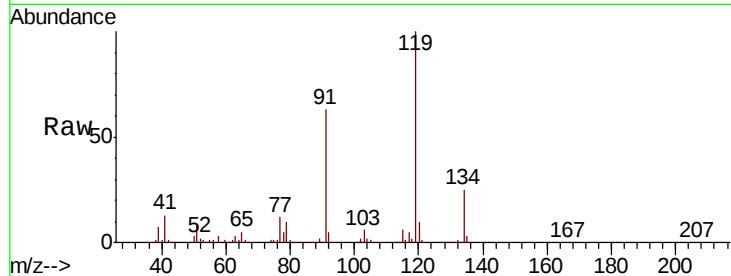
#83
tert-Butylbenzene
Concen: 19.36 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	405108		
91	64.1	30.8	92.3	
134	25.3	13.2	39.6	

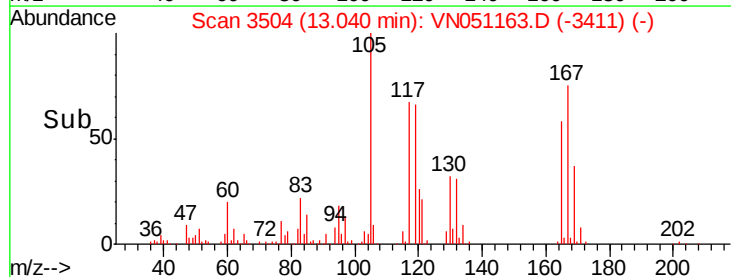
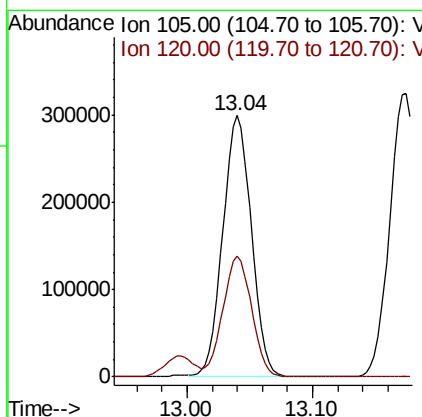
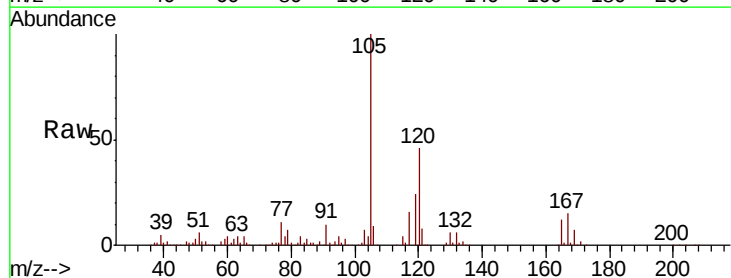
Manual Integrations
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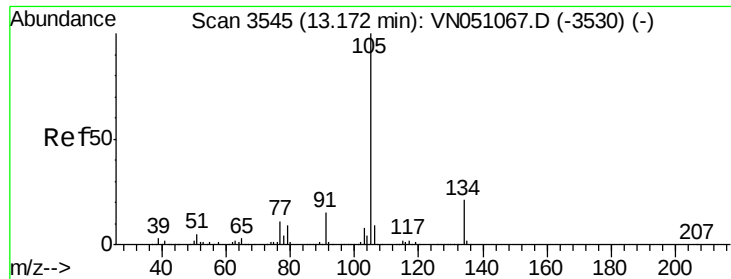
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.25 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	471775		
120	46.7	23.3	69.8	





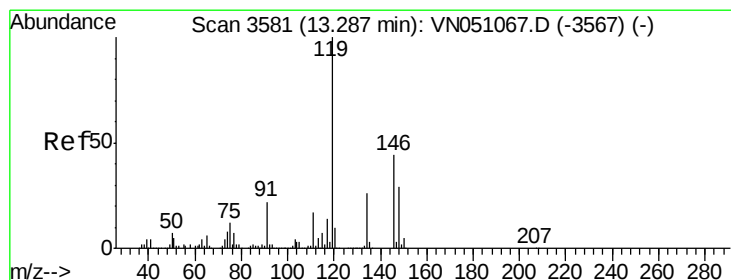
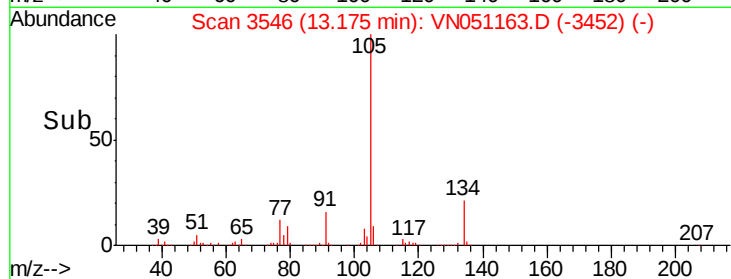
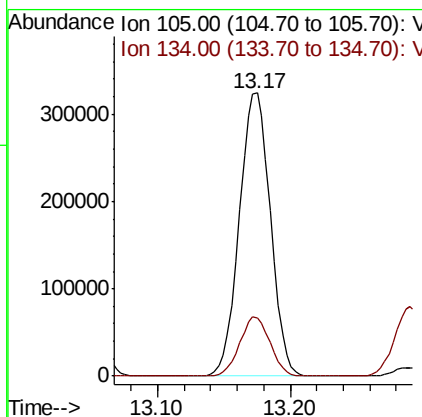
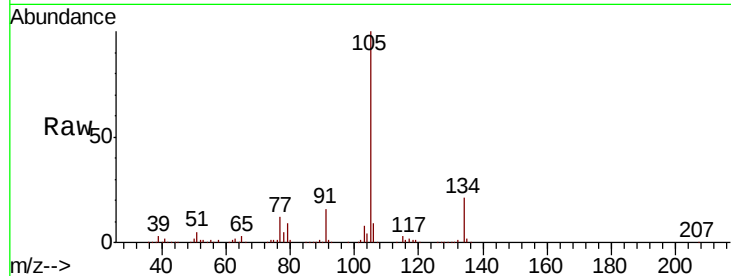
#85
 sec-Butylbenzene
 Concen: 19.62 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.4

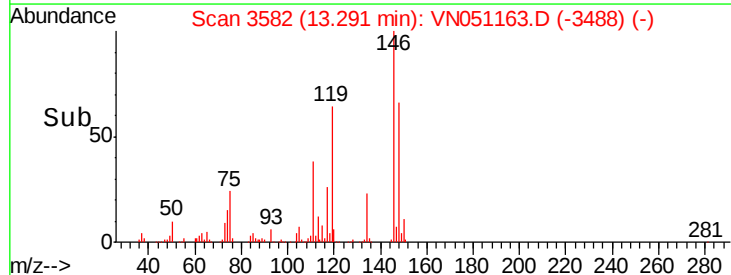
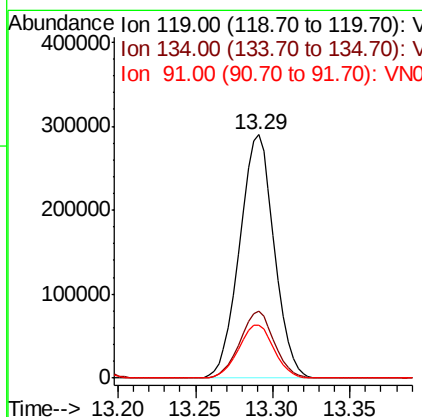
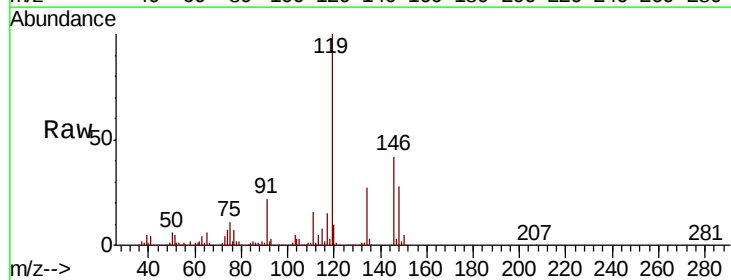
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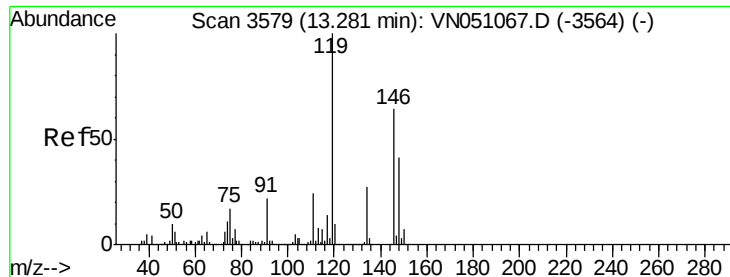
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#86
 p-Isopropyltoluene
 Concen: 19.76 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.4
91	22.3	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 18.36 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

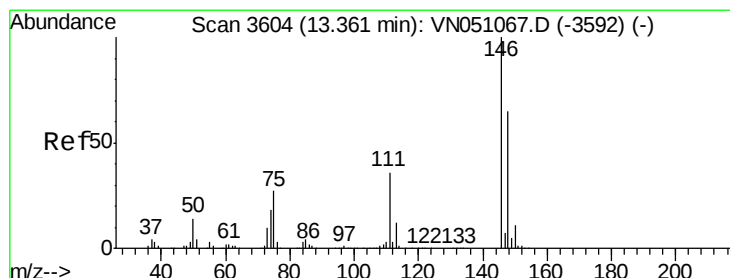
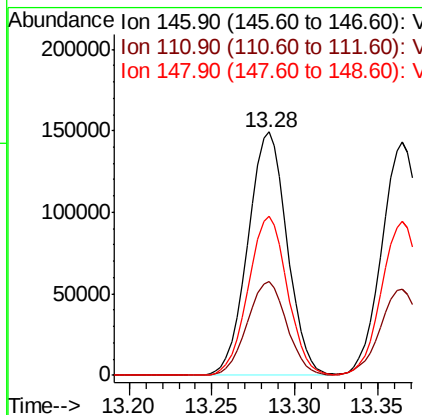
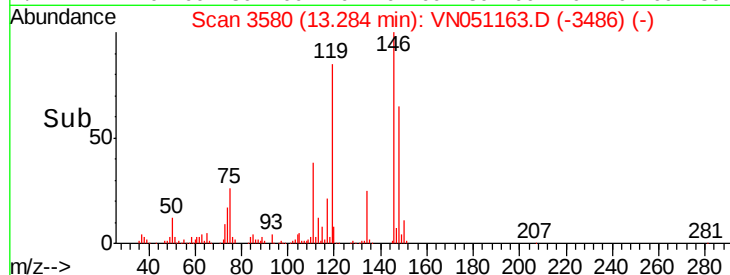
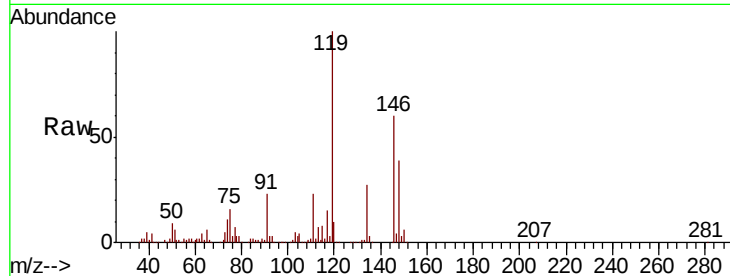
ClientSampleId :

VN0913WBSD01

Tot Ion:	146	Resp:	245181
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.1
148	65.3	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.38 ug/l

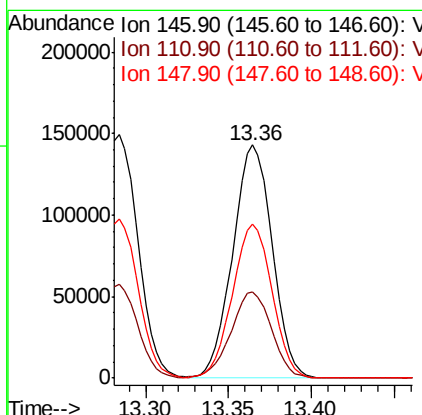
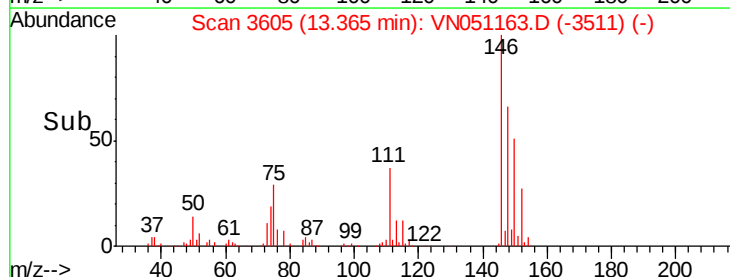
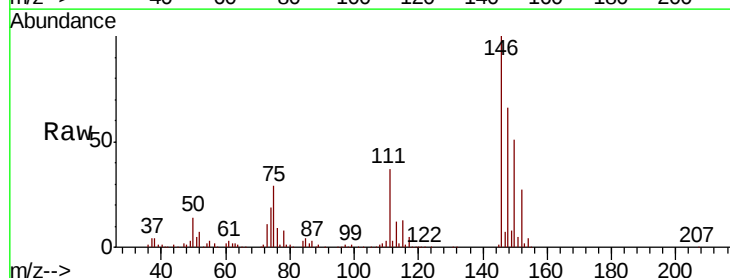
RT: 13.36 min Scan# 3605

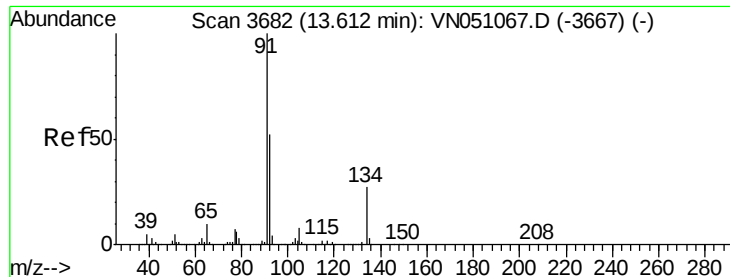
Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion:	146	Resp:	237543
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.4	55.0
148	66.0	32.2	96.6





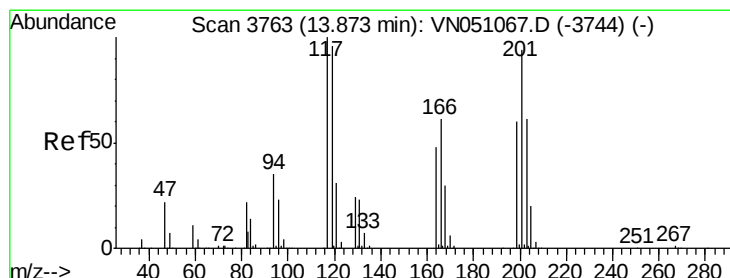
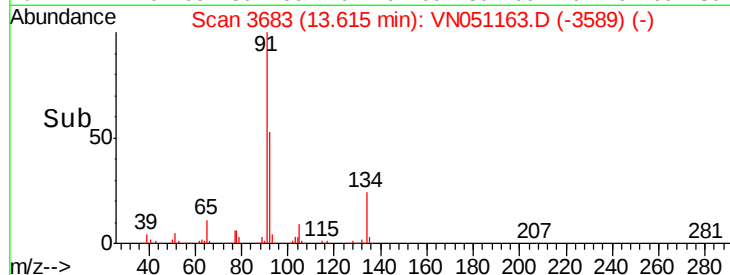
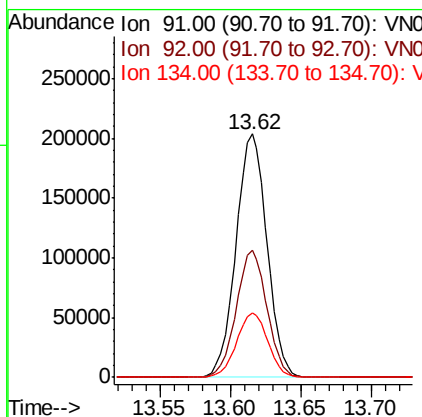
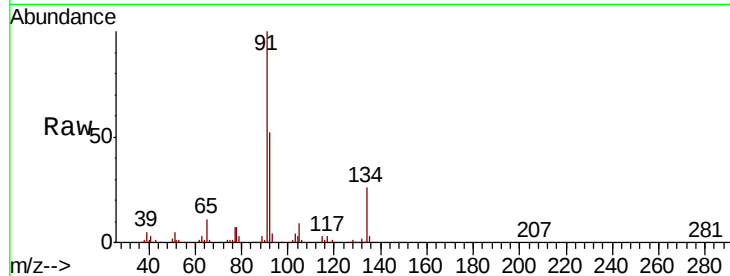
#89
n-Butylbenzene
Concen: 17.73 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.6
134	26.7	13.7	41.1

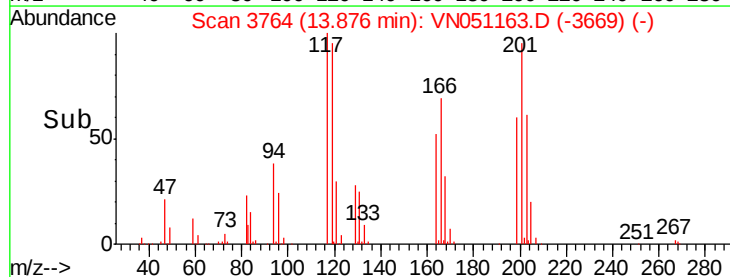
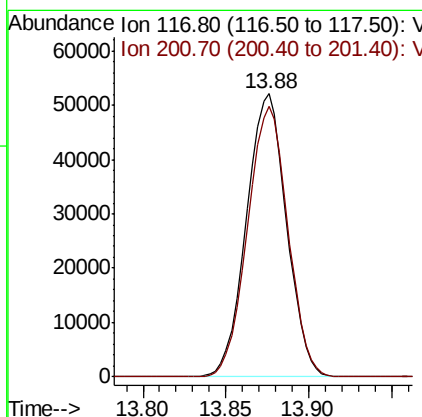
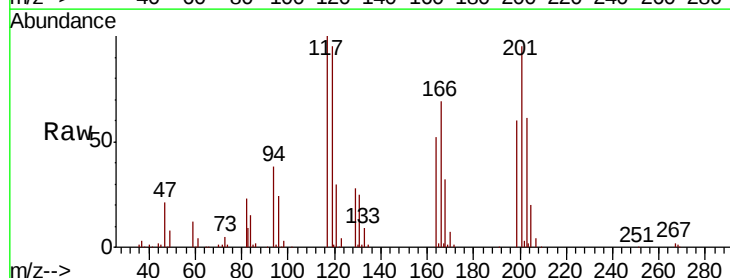
Manual Integrations
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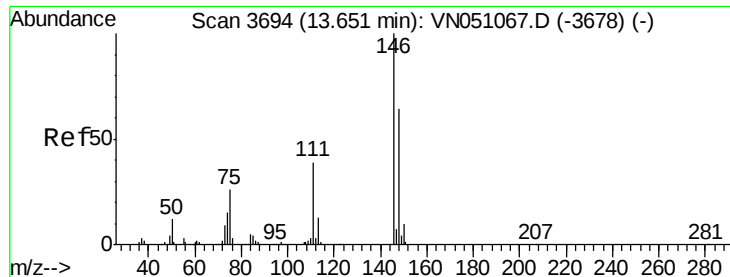
MMDadoda
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#90
Hexachloroethane
Concen: 20.79 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051163.D
Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.8	47.3	142.0





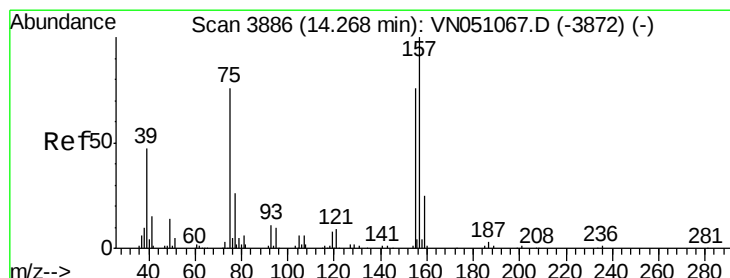
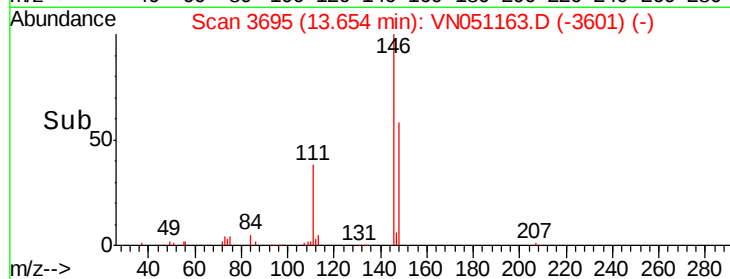
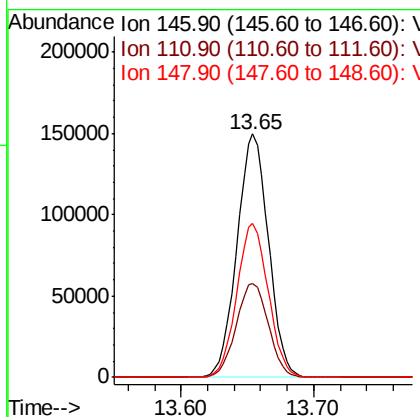
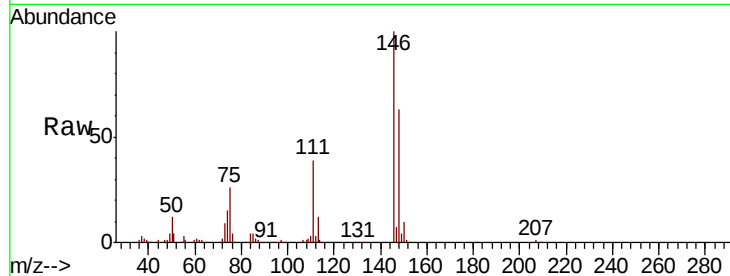
#91
 1,2-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.2	32.1	96.3

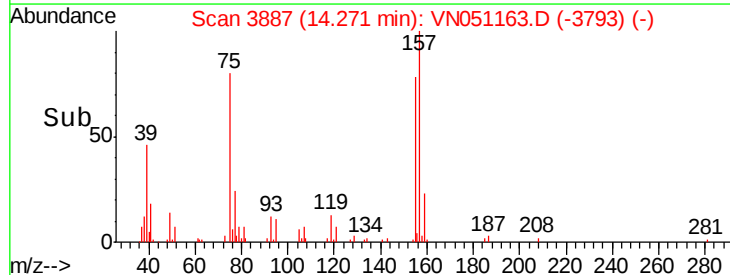
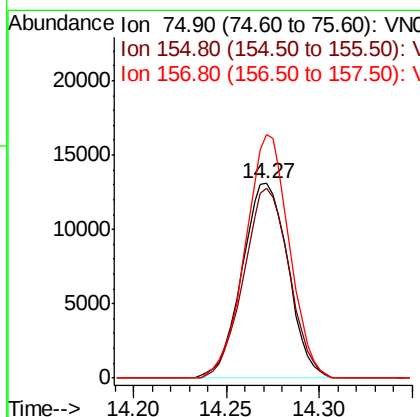
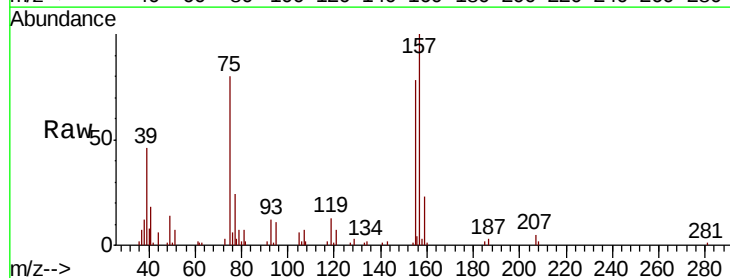
Manual Integrations
 APPROVED

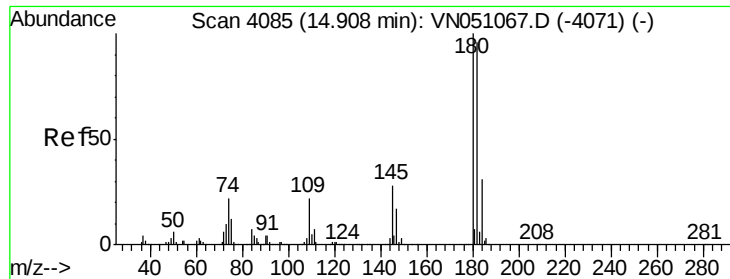
MMDadoda
 9/14/2018 11:47:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.90 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.7	146.1
157	119.4	63.6	190.9





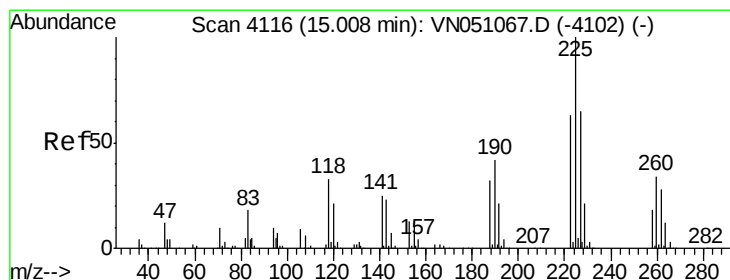
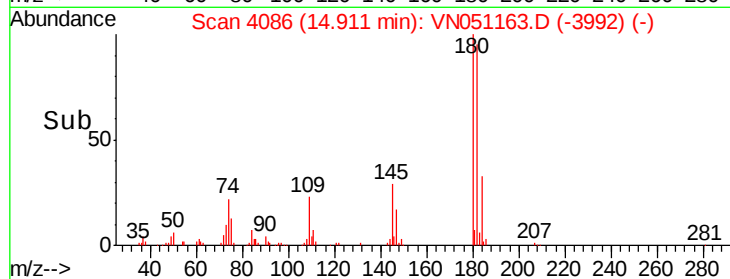
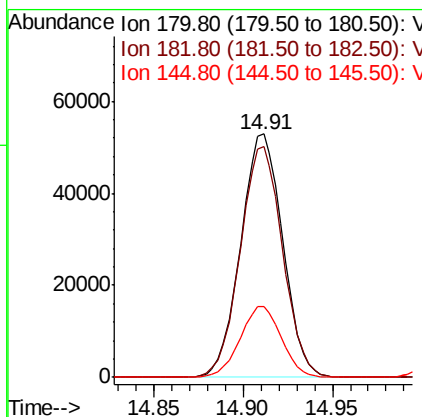
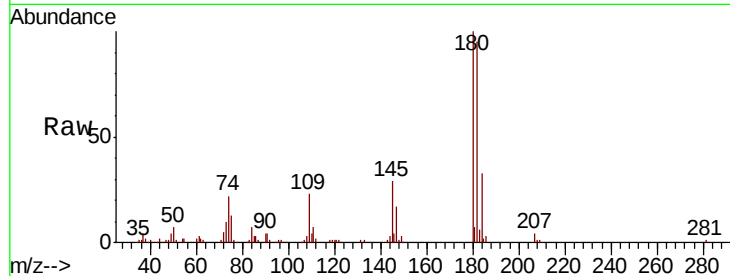
#93
 1,2,4-Trichlorobenzene
 Concen: 16.71 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87005		
182	95.4		47.3	141.8
145	28.5		14.2	42.6

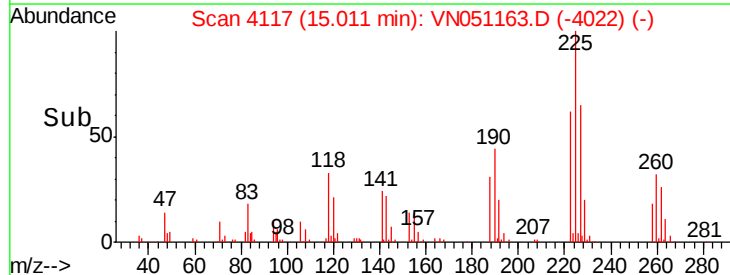
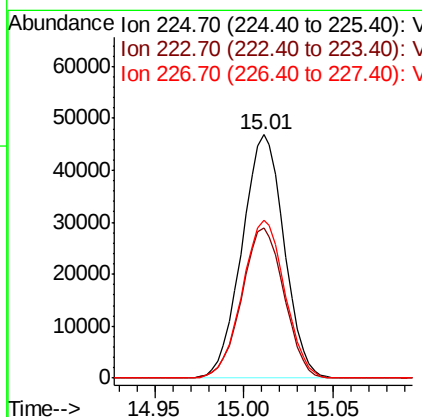
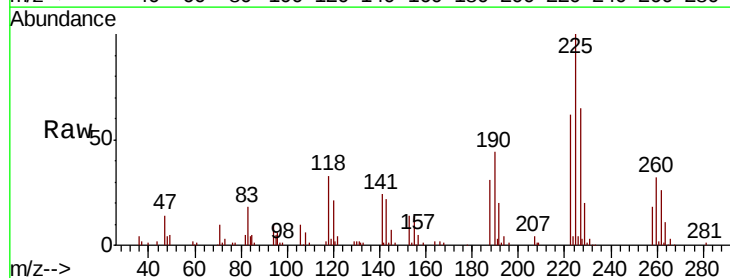
Manual Integrations
 APPROVED

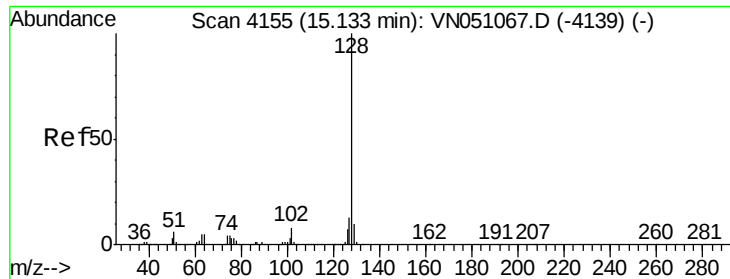
MMDadoda
 9/14/2018 11:47:05 AM



#94
 Hexachlorobutadiene
 Concen: 19.26 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051163.D
 Acq: 13 Sep 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77130		
223	61.8		31.4	94.0
227	65.8		32.1	96.3





#95

Naphthalene

Concen: 17.34 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Instrument :

MSVOA_N

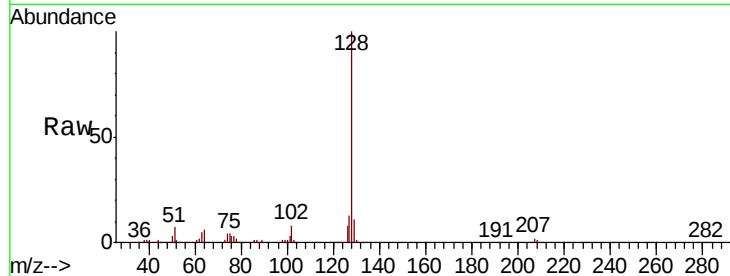
ClientSampleId :

VN0913WBSD01

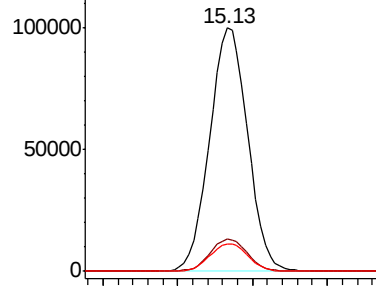
Tot Ion:	128	Resp:	176608
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.4	8.6	12.8

Manual Integrations
APPROVED

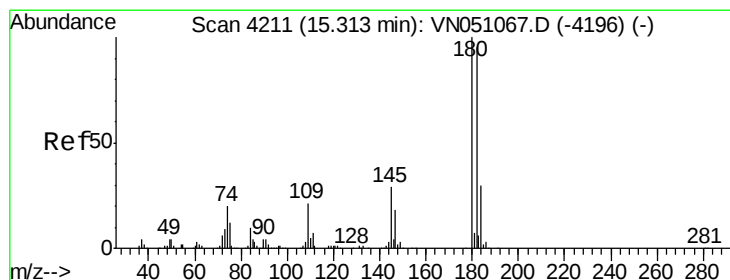
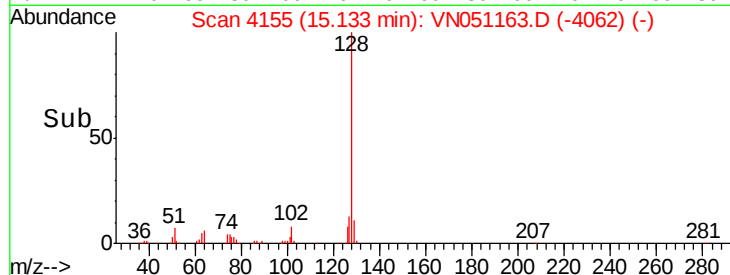
MMDadoda
9/14/2018 11:47:05 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 17.80 ug/l

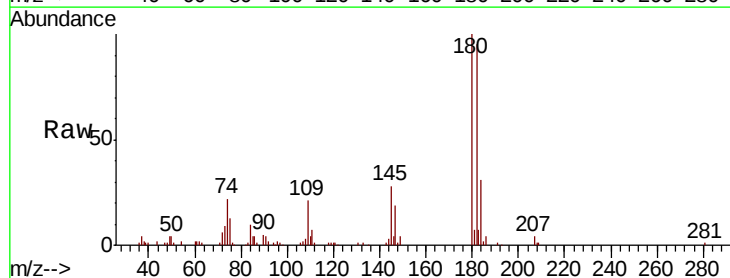
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

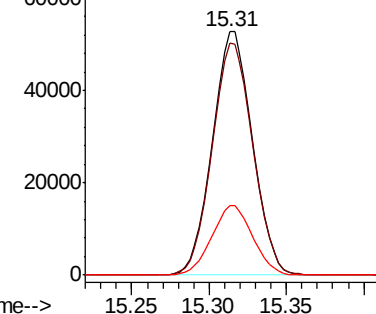
Lab File: VN051163.D

Acq: 13 Sep 2018 11:28

Tgt Ion:	180	Resp:	94823
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.8	143.3
145	29.0	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

