

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063832.D
 Acq On : 2 Oct 2020 19:32
 Operator : JC/MD
 Sample : PB132030ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#11

Quant Time: Oct 05 04:18:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	211736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	423165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169211	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	190773	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	7.55	113	135892	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	10.06	98	518312	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.38	95	204981	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

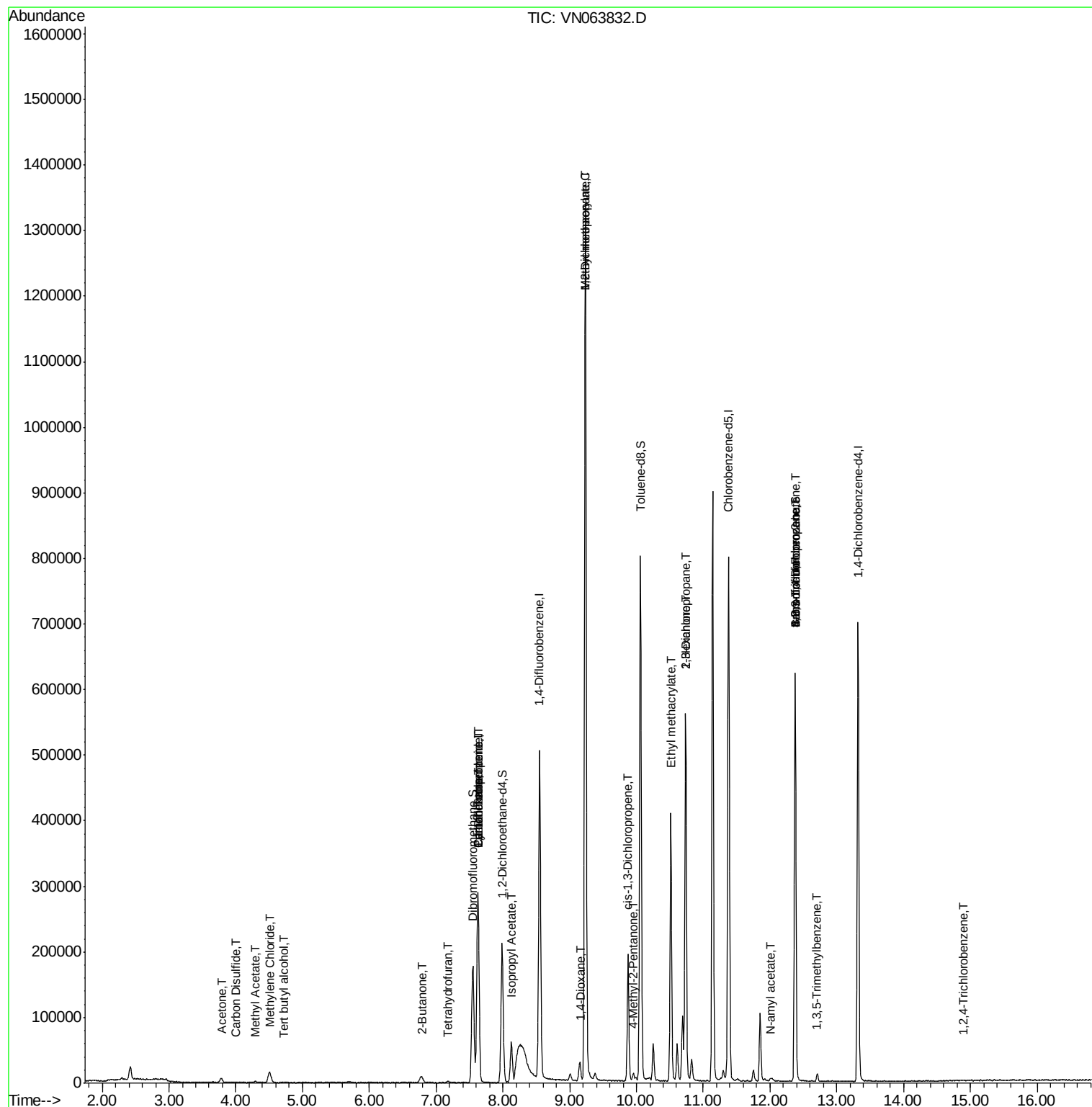
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	203	0.526	ug/l #	71
16) Acetone	3.78	43	11335	10.527	ug/l #	87
17) Carbon Disulfide	4.00	76	37	0.707	ug/l #	76
18) Methyl Acetate	4.28	43	3739	1.337	ug/l #	71
20) Methylene Chloride	4.50	84	4676	1.990	ug/l	95
25) 2-Butanone	6.80	43	3942	2.582	ug/l #	80
29) Tetrahydrofuran	7.18	42	994	0.971	ug/l #	72
31) Cyclohexane	7.63	56	5952	1.466	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	20146	4.884	ug/l #	51
38) Carbon Tetrachloride	7.63	117	23999	5.189	ug/l #	16
43) Isopropyl Acetate	8.13	43	74096	10.963	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1470	0.462	ug/l #	44
48) Methyl methacrylate	9.23	41	141364	42.332	ug/l #	46
49) 1,4-Dioxane	9.17	88	31	0.653	ug/l #	20
51) 4-Methyl-2-Pentanone	9.96	43	8614	2.172	ug/l	89
54) cis-1,3-Dichloropropene	9.87	75	29828	5.882	ug/l #	66
56) Ethyl methacrylate	10.51	69	2049	0.495	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	5486	1.110	ug/l #	43
59) 2-Hexanone	10.74	43	88741	30.117	ug/l #	53
71) Bromoform	12.37	173	783	0.308	ug/l #	1
74) N-amyl acetate	12.01	43	3027	2.720	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	115651	31.005	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6392	0.617	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	115651	89.299	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	30	1.746	ug/l #	12

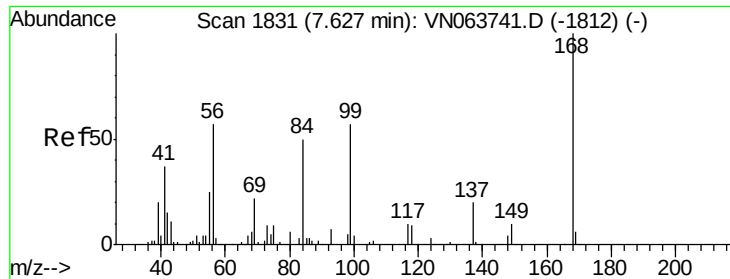
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

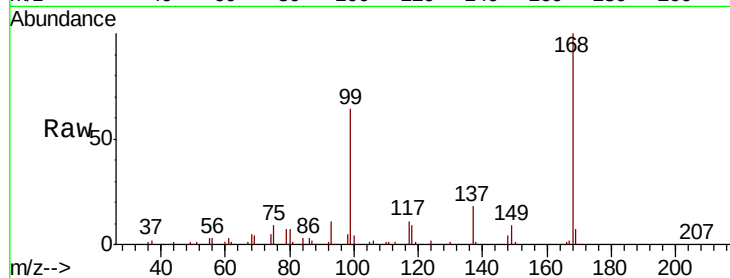
PB132030ZHE#11

Tot Ion:168 Resp: 211736

Ion Ratio Lower Upper

168 100

99 64.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

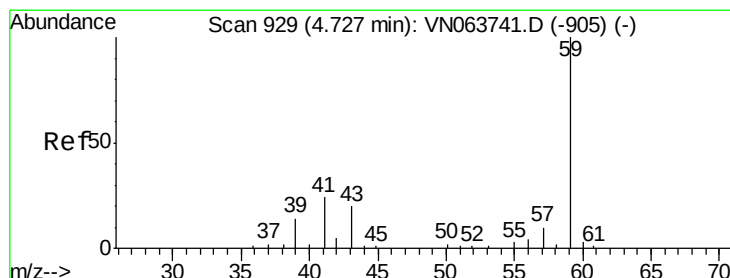
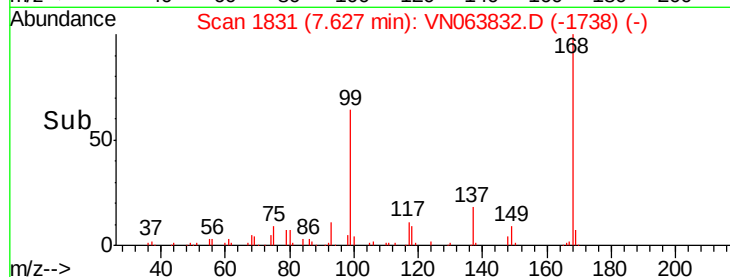
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.526 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063832.D

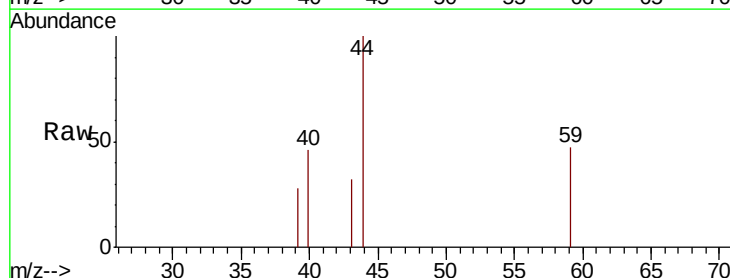
Acq: 2 Oct 2020 19:32

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

300

250

200

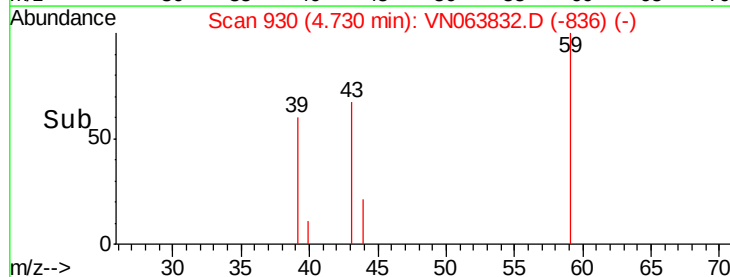
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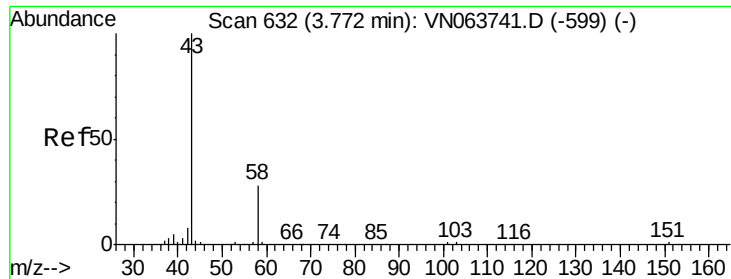
100

50

0

Time-->





#16

Acetone

Concen: 10.527 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

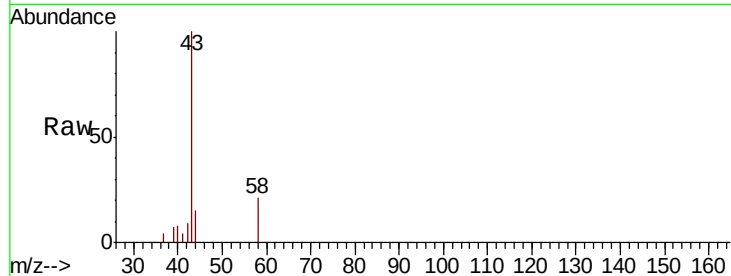
PB132030ZHE#11

Tot Ion: 43 Resp: 11335

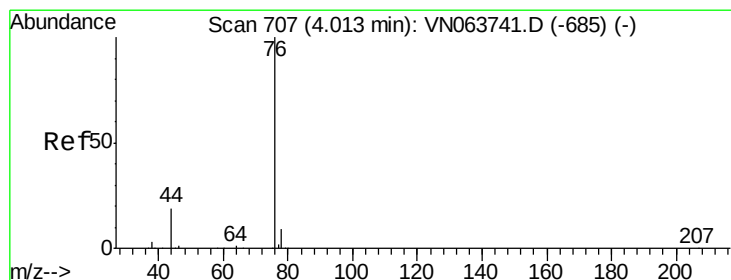
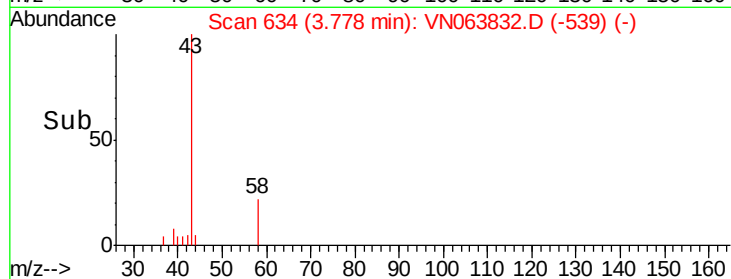
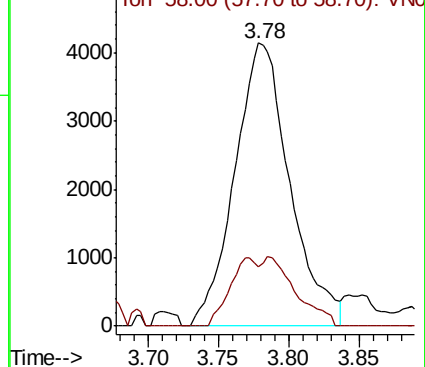
Ion Ratio Lower Upper

43 100

58 21.1 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063832.D (-634) (-)



#17

Carbon Disulfide

Concen: 0.707 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063832.D

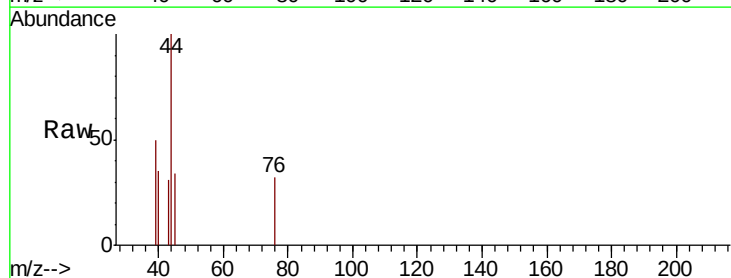
Acq: 2 Oct 2020 19:32

Tgt Ion: 76 Resp: 37

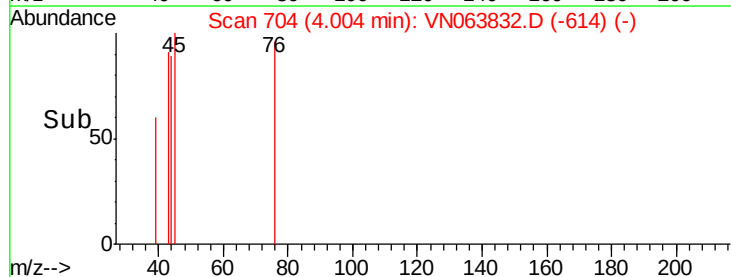
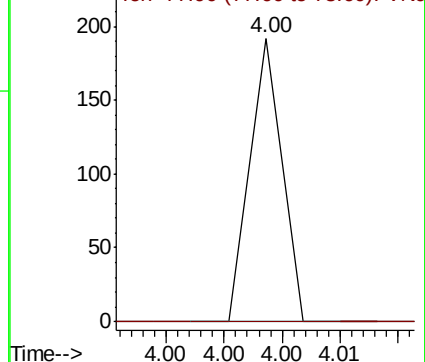
Ion Ratio Lower Upper

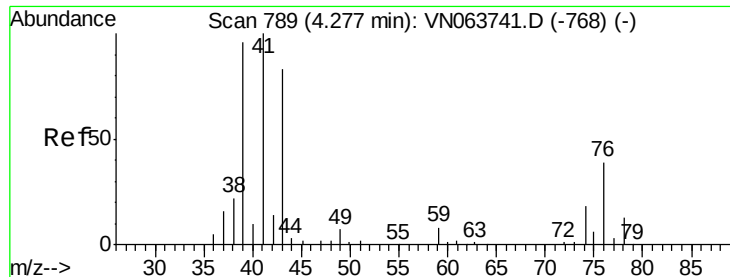
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063832.D (-704) (-)

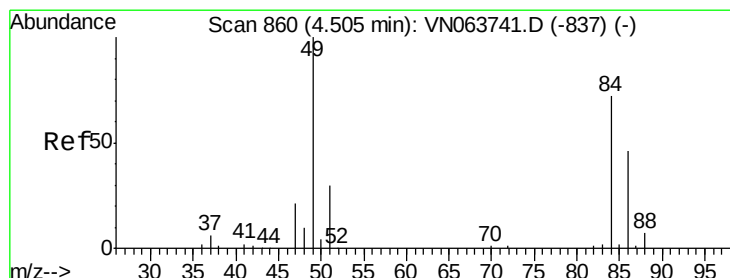
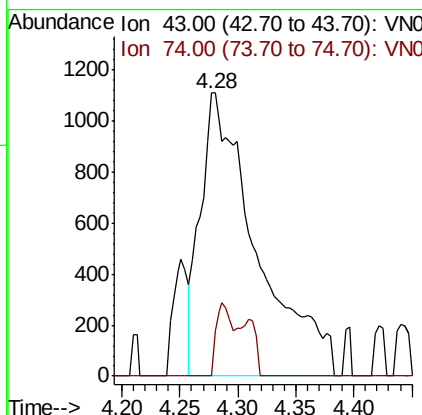
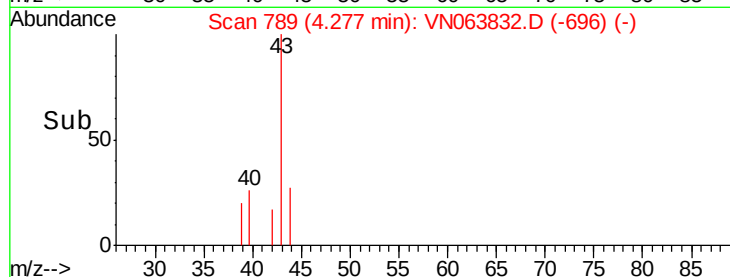
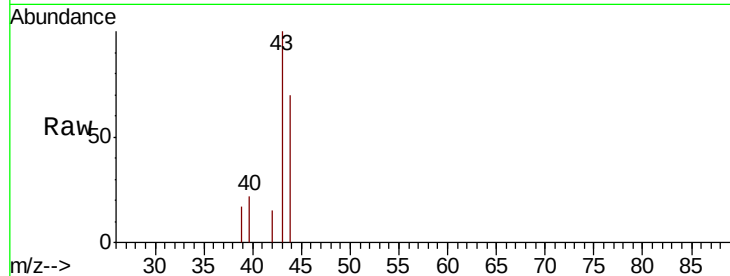




#18
Methyl Acetate
Concen: 1.337 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

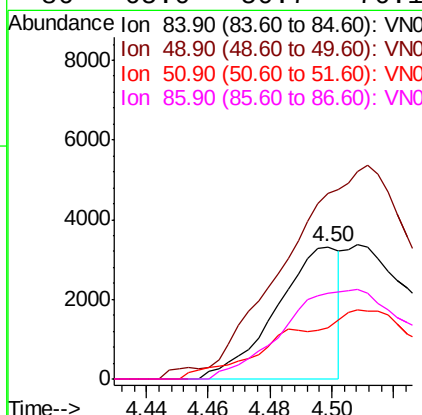
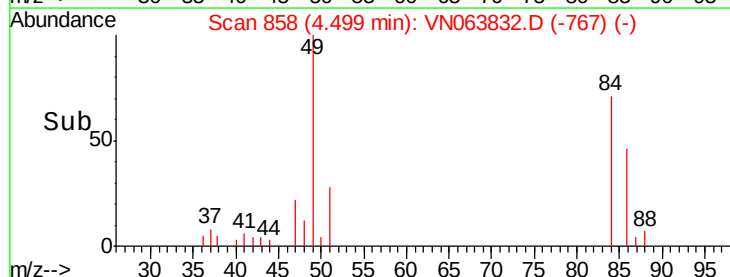
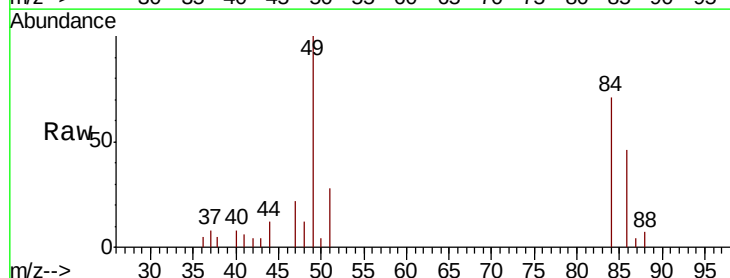
Instrument :
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PB132030ZHE#11

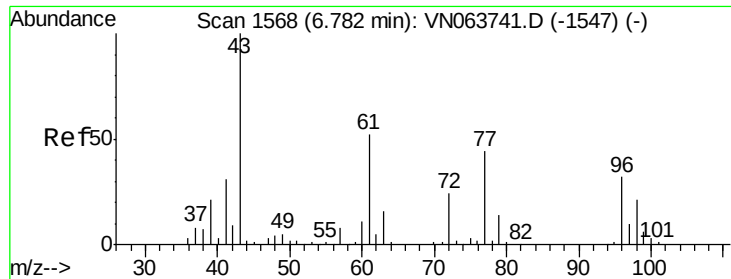
Tot Ion: 43 Resp: 3739
Ion Ratio Lower Upper
43 100
74 8.1 17.4 26.2#



#20
Methylene Chloride
Concen: 1.990 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Tgt Ion: 84 Resp: 4676
Ion Ratio Lower Upper
84 100
49 131.9 110.4 165.6
51 34.1 33.3 49.9
86 65.0 50.7 76.1

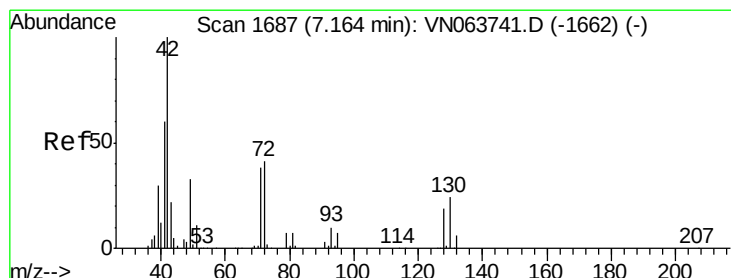
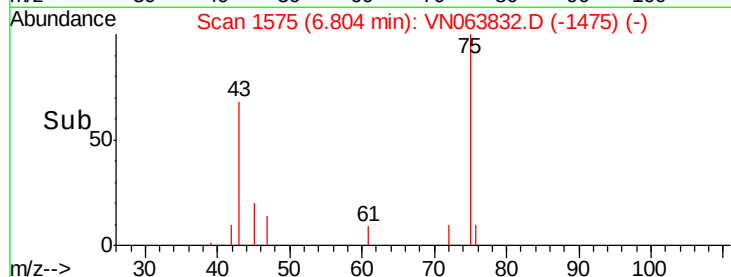
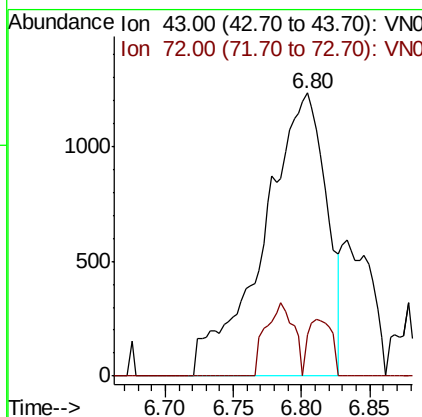
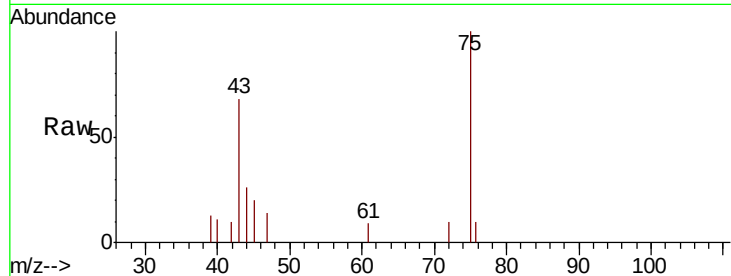




#25
2-Butanone
Concen: 2.582 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

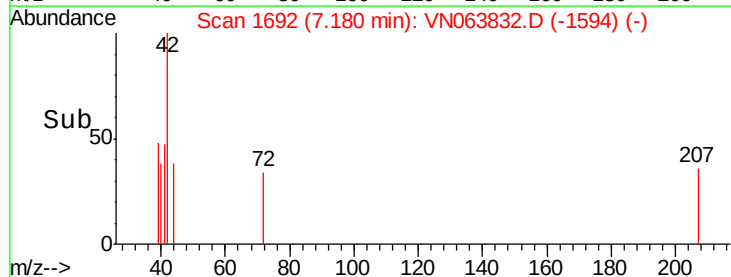
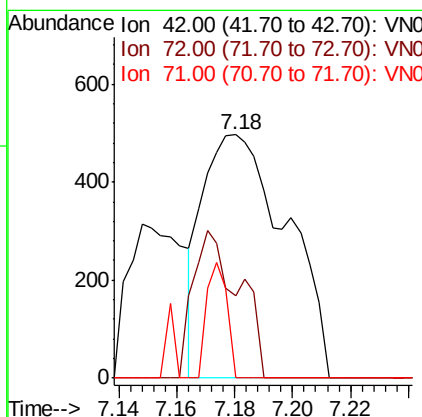
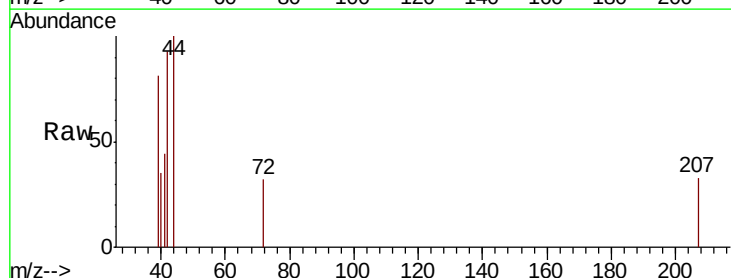
Instrument :
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ClientSampleId :
PB132030ZHE#11

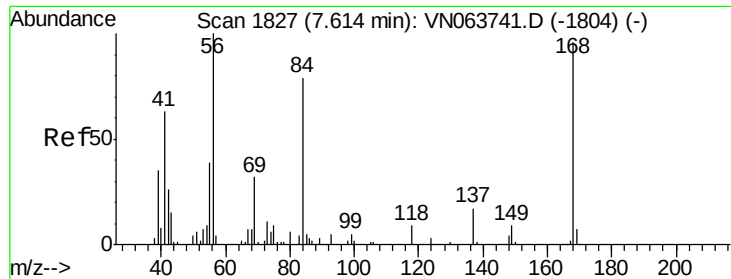
Tot Ion: 43 Resp: 3942
Ion Ratio Lower Upper
43 100
72 14.4 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.971 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Tgt Ion: 42 Resp: 994
Ion Ratio Lower Upper
42 100
72 33.2 32.8 49.2
71 11.8 30.6 45.8#

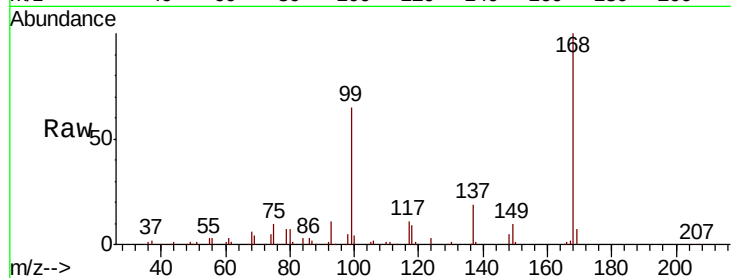




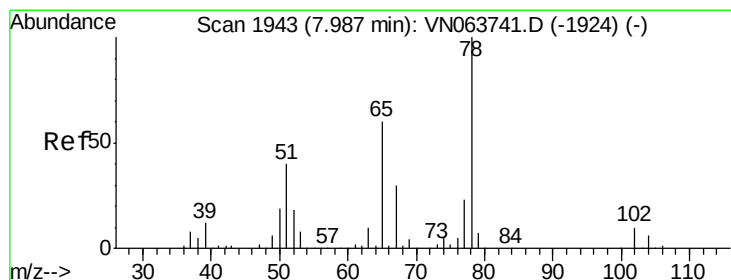
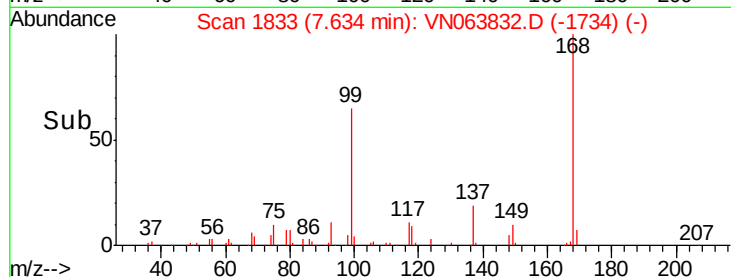
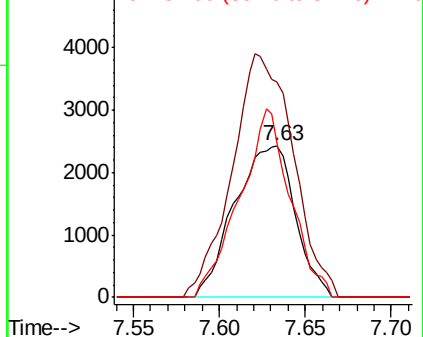
#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.63 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#11

Tot Ion: 56 Resp: 5952
Ion Ratio Lower Upper
56 100
69 142.0 25.4 38.2#
84 102.0 63.3 94.9#

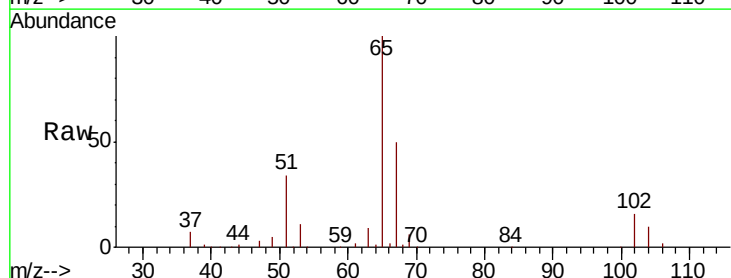


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

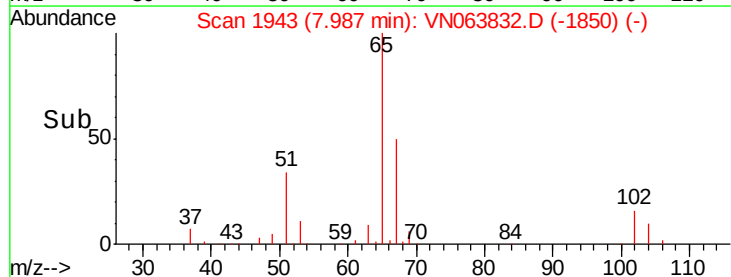
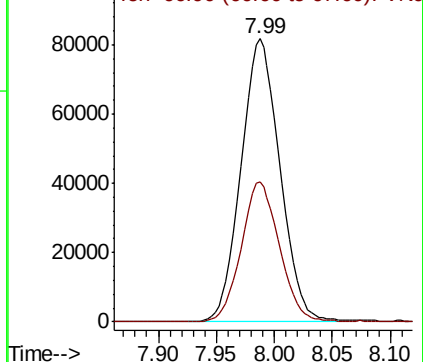


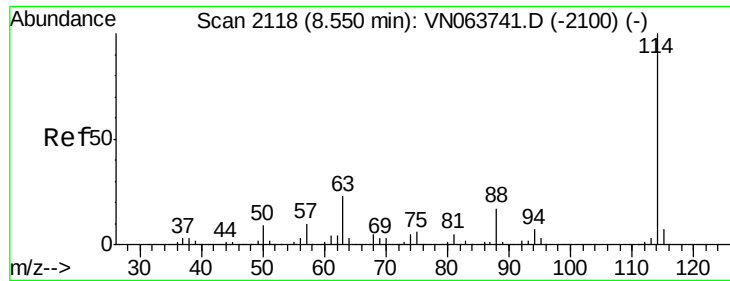
#33
1,2-Dichloroethane-d4
Concen: 54.537 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Tgt Ion: 65 Resp: 190773
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

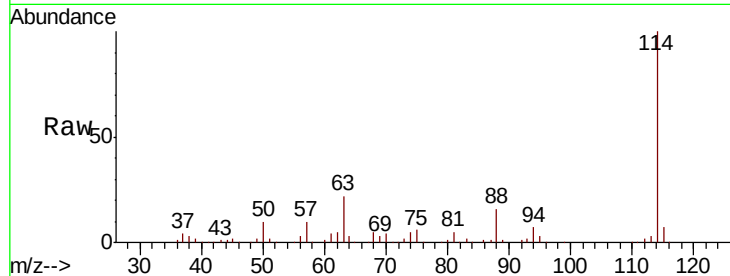




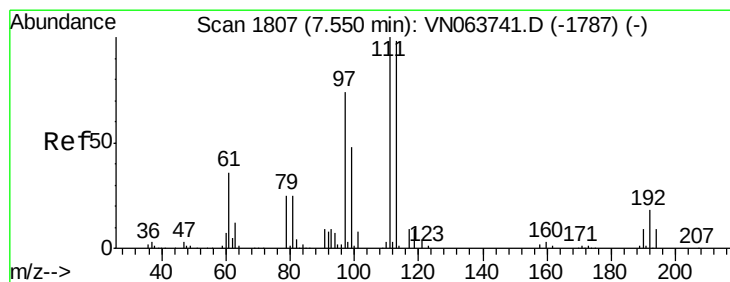
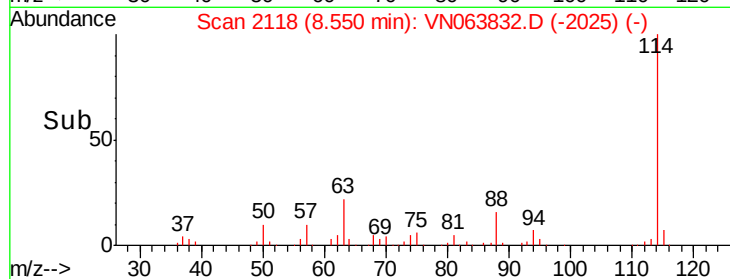
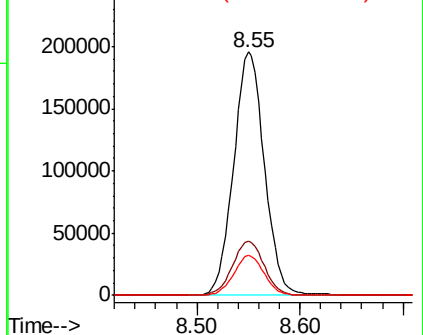
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063832.D
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Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.0
88	16.3	0.0	34.0

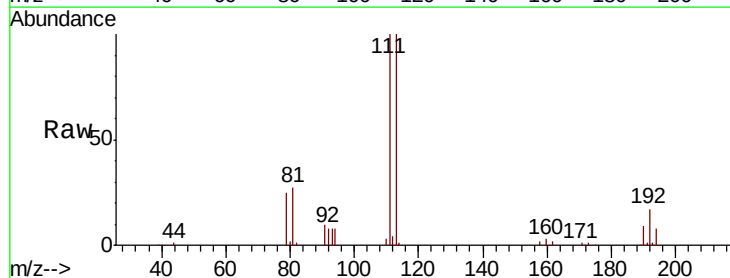


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

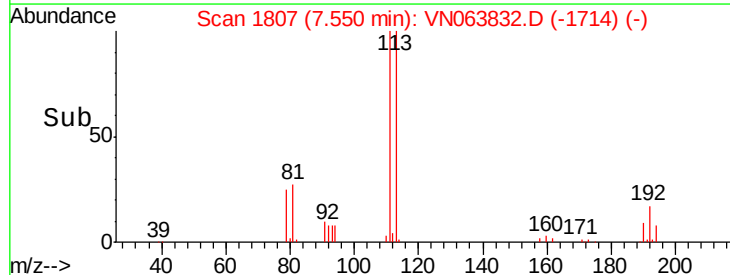
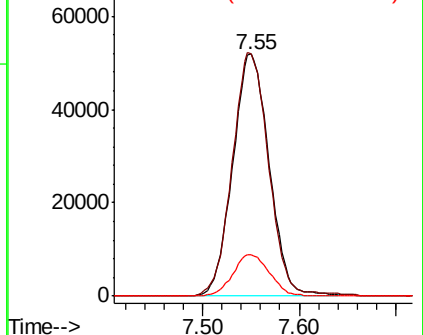


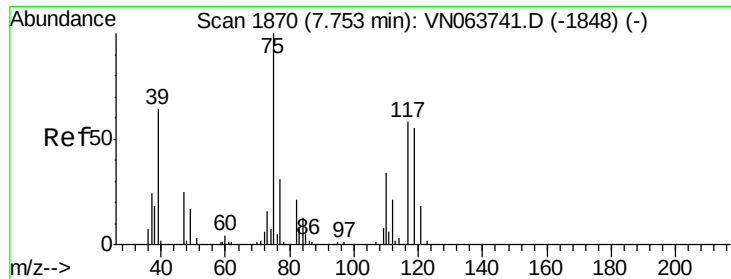
#35
 Dibromofluoromethane
 Concen: 48.105 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.8
192	17.1	14.2	21.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

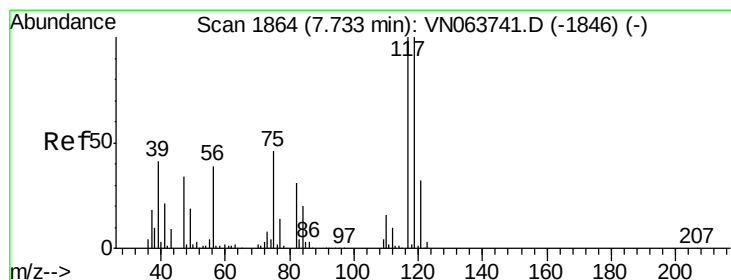
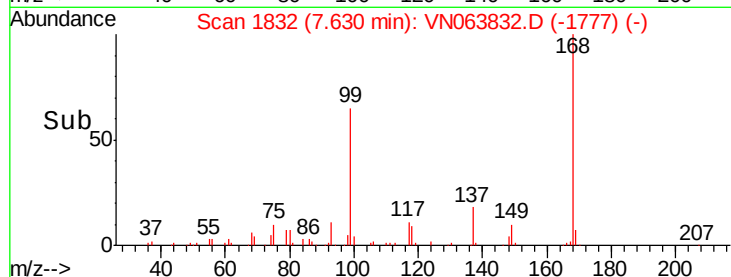
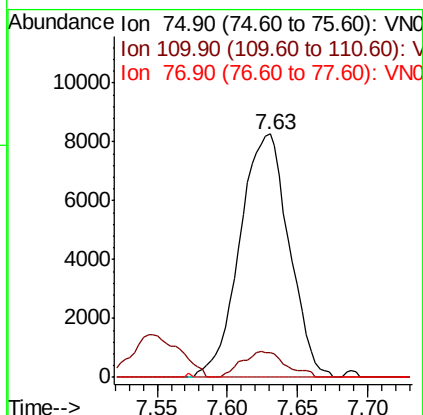
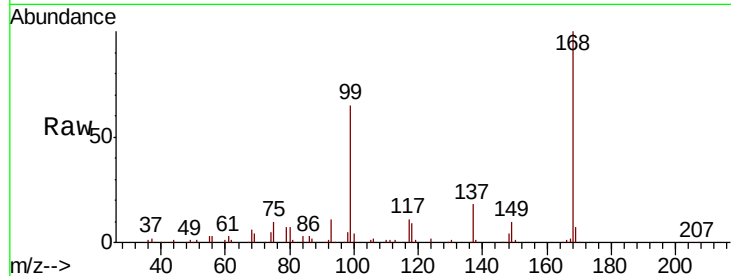




#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

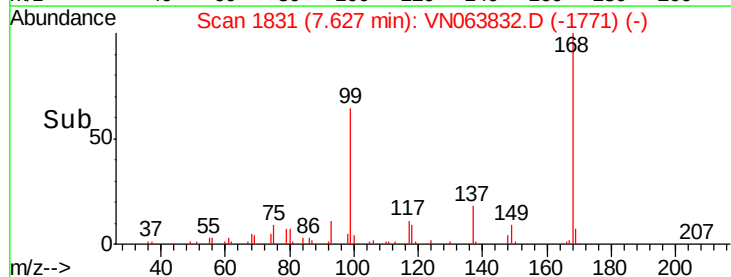
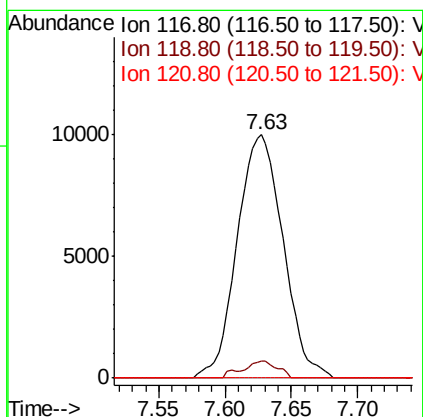
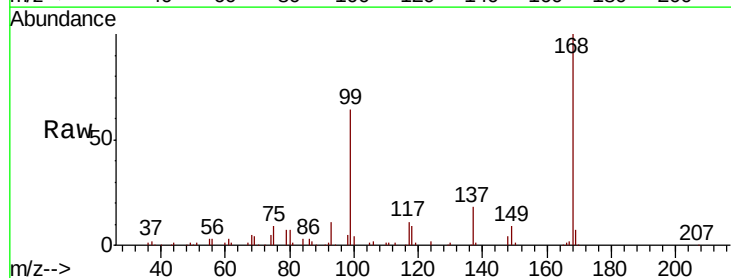
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#11

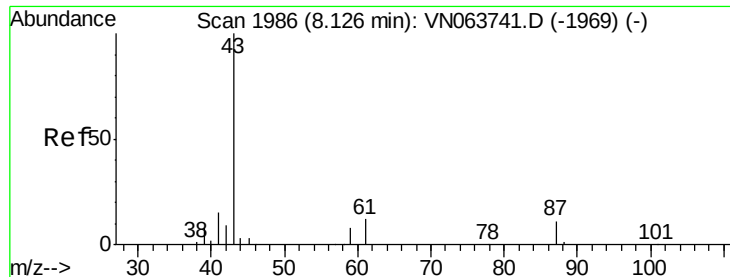
Tot Ion: 75 Resp: 20146
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.189 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

Tgt Ion: 117 Resp: 23999
 Ion Ratio Lower Upper
 117 100
 119 6.9 80.1 120.1#
 121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 10.963 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#11

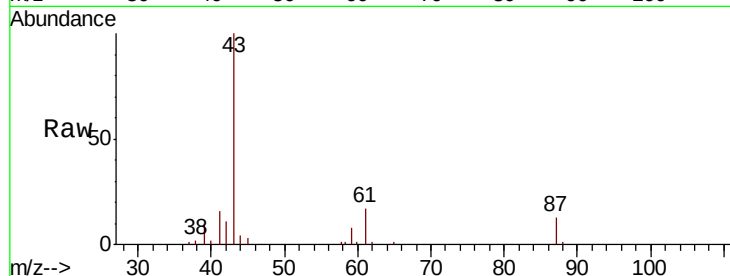
Tot Ion: 43 Resp: 74096

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.4

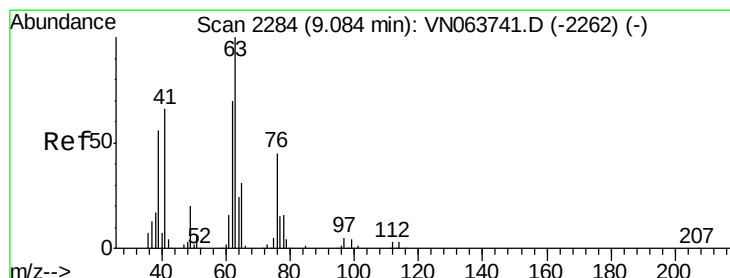
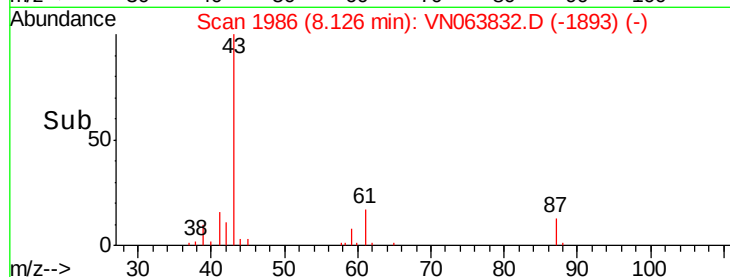
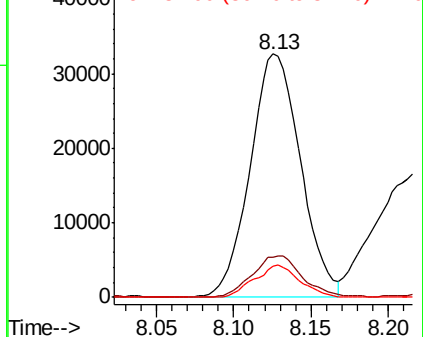
87 11.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.462 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN063832.D

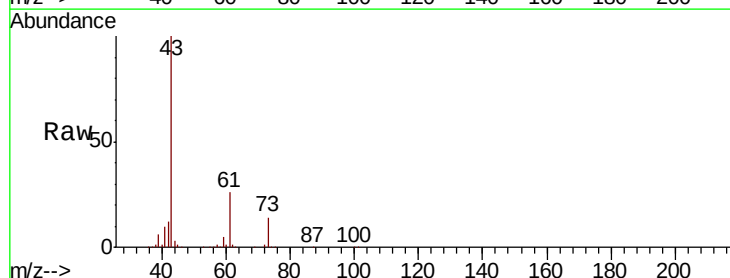
Acq: 2 Oct 2020 19:32

Tgt Ion: 63 Resp: 1470

Ion Ratio Lower Upper

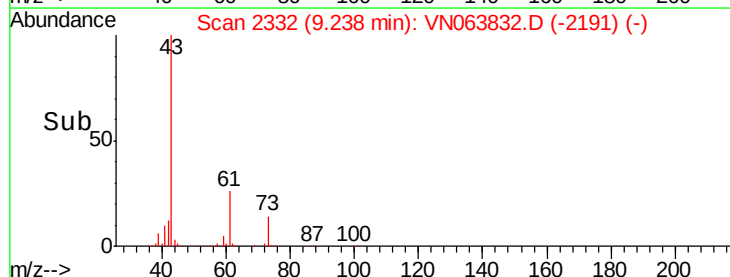
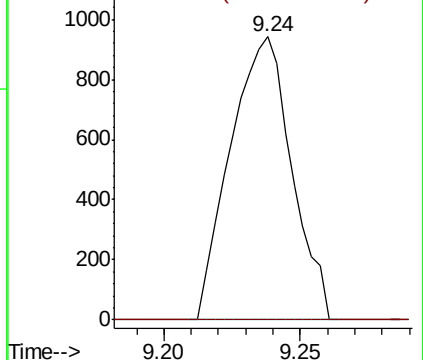
63 100

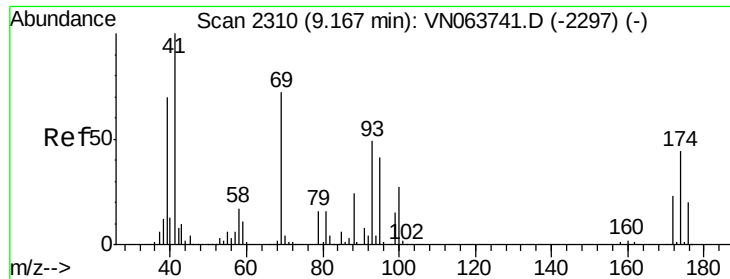
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

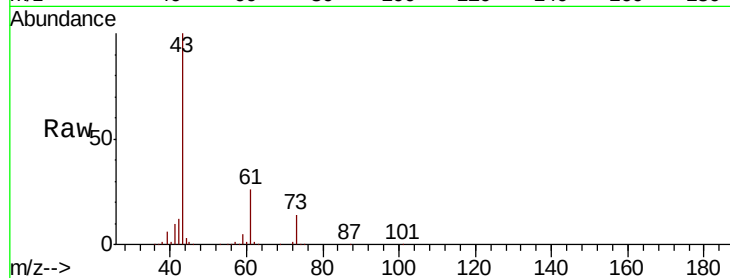




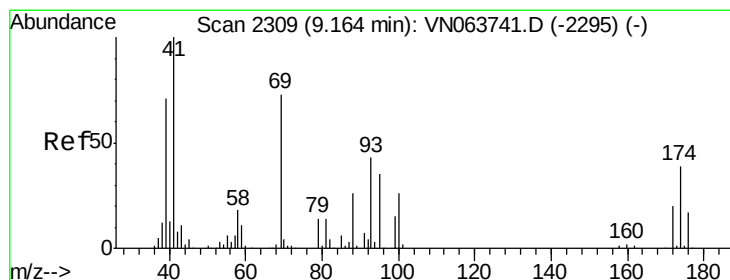
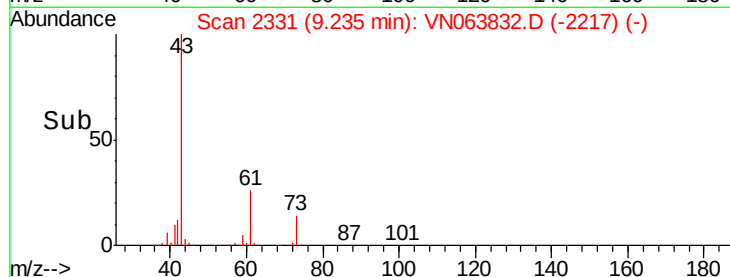
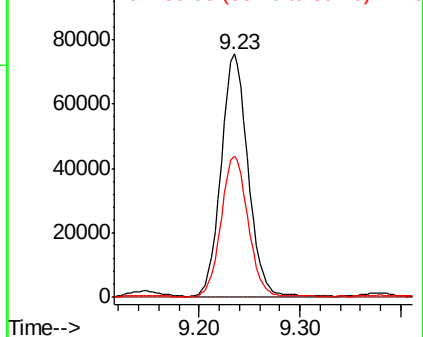
#48
Methyl methacrylate
Concen: 42.332 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#11

Tot Ion: 41 Resp: 141364
Ion Ratio Lower Upper
41 100
69 0.1 60.9 91.3#
39 57.4 57.5 86.3#

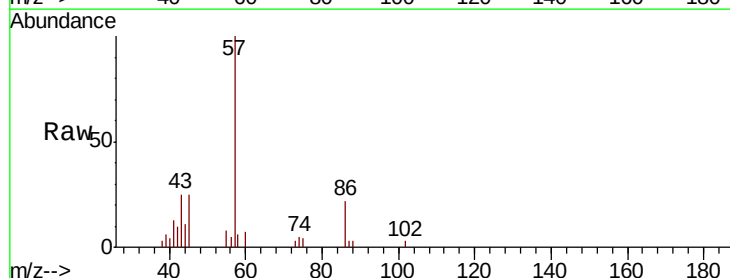


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

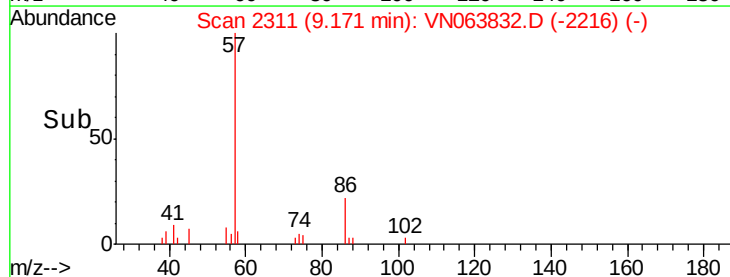
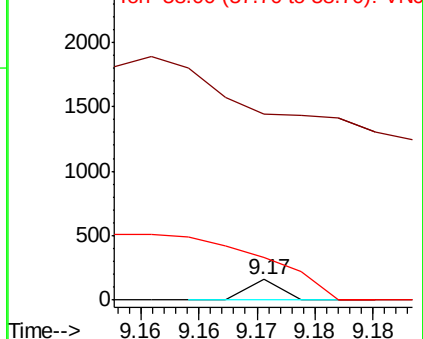


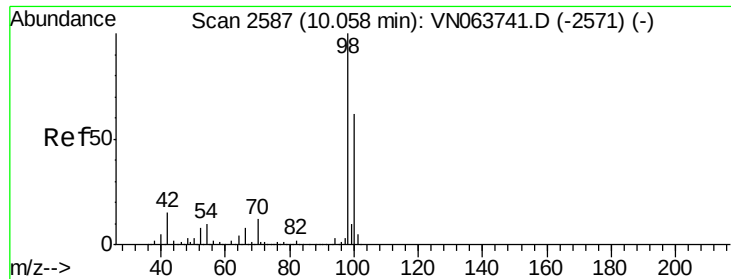
#49
1,4-Dioxane
Concen: 0.653 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 0.0 33.1 49.7#
58 0.0 58.9 88.3#



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





#50

Toluene-d8

Concen: 48.400 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

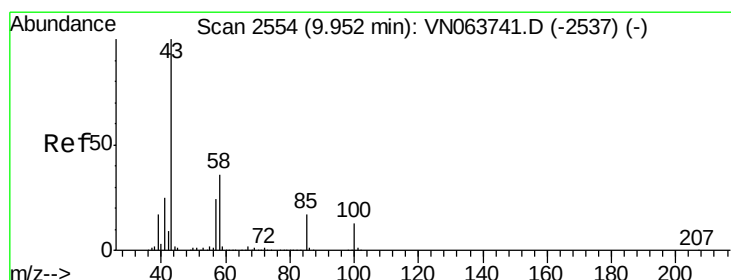
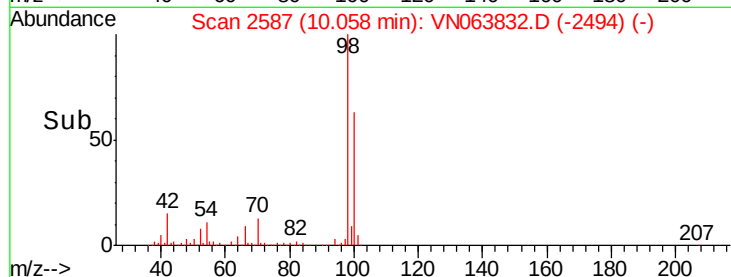
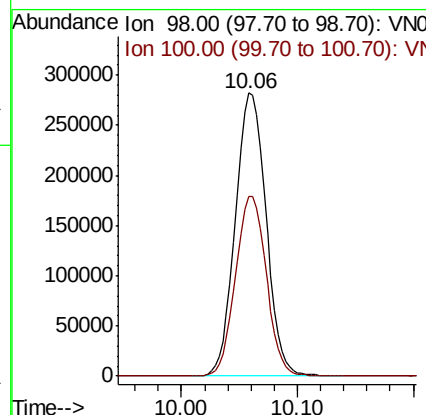
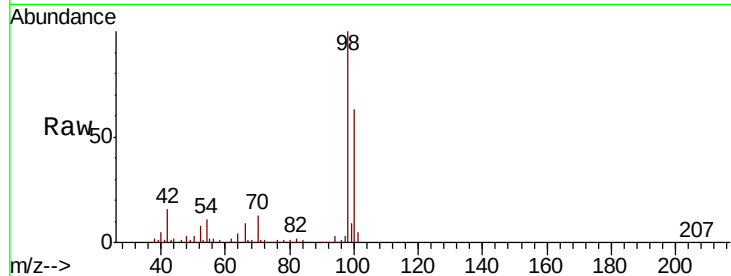
PB132030ZHE#11

Tot Ion: 98 Resp: 518312

Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.6



#51

4-Methyl-2-Pentanone

Concen: 2.172 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063832.D

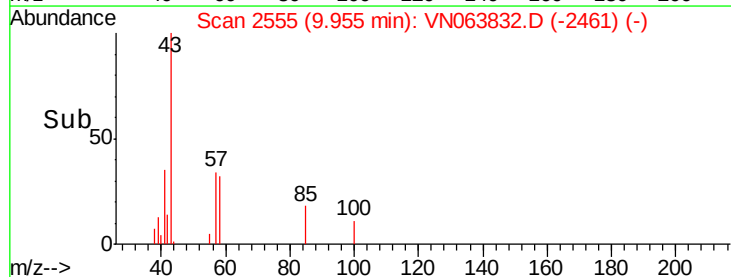
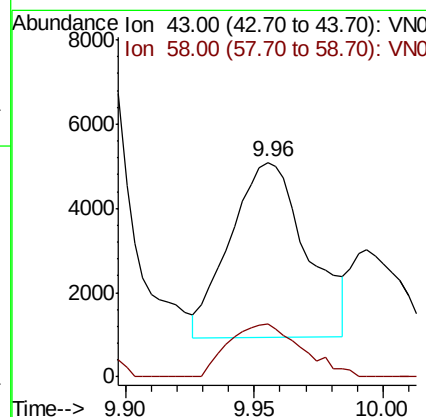
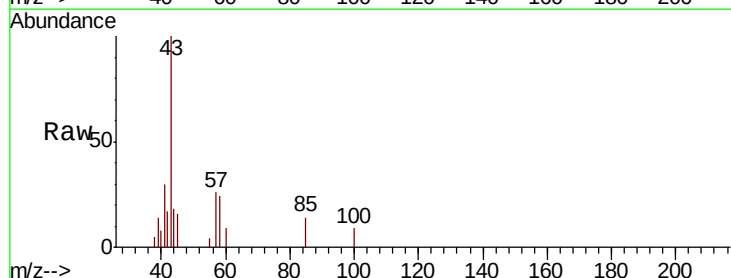
Acq: 2 Oct 2020 19:32

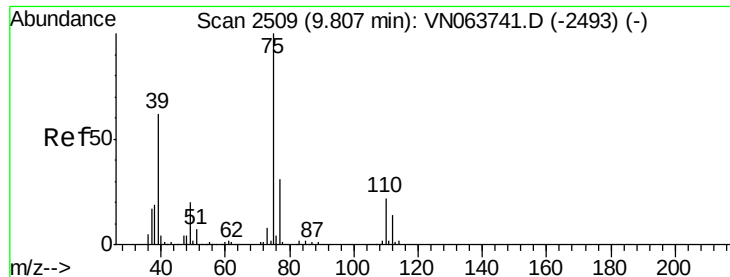
Tgt Ion: 43 Resp: 8614

Ion Ratio Lower Upper

43 100

58 28.9 28.4 42.6





#54

cis-1,3-Dichloropropene

Concen: 5.882 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#11

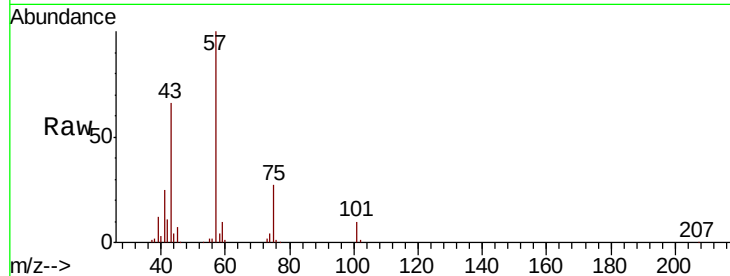
Tot Ion: 75 Resp: 29828

Ion Ratio Lower Upper

75 100

77 1.0 24.6 36.8#

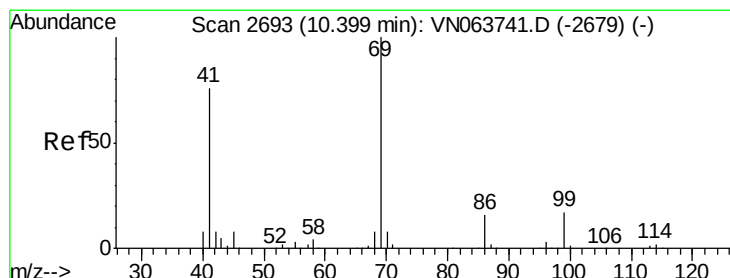
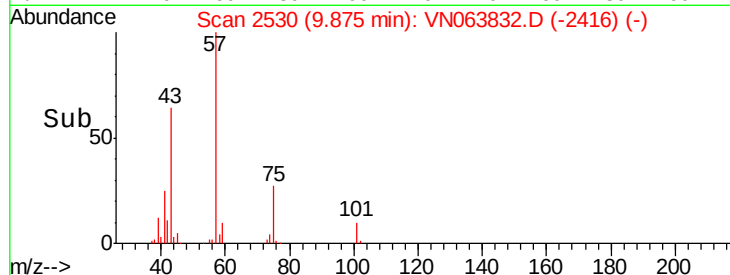
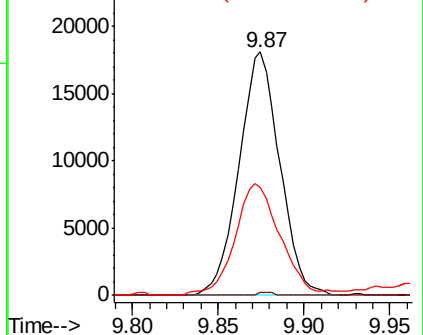
39 43.2 49.7 74.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.495 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

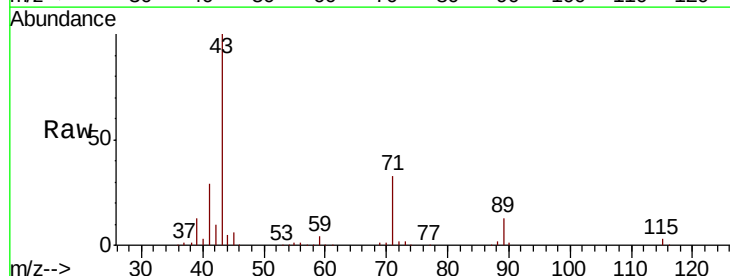
Tgt Ion: 69 Resp: 2049

Ion Ratio Lower Upper

69 100

41 4250.0 61.1 91.7#

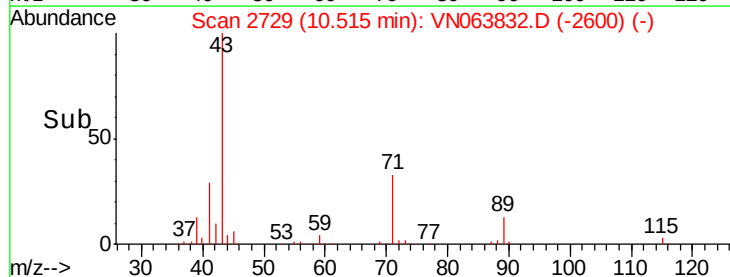
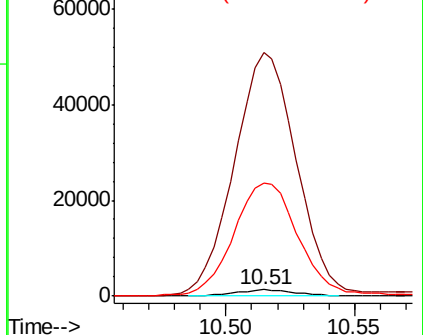
39 2038.9 42.2 63.4#

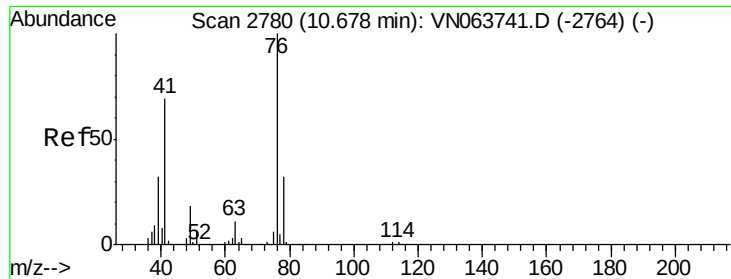


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

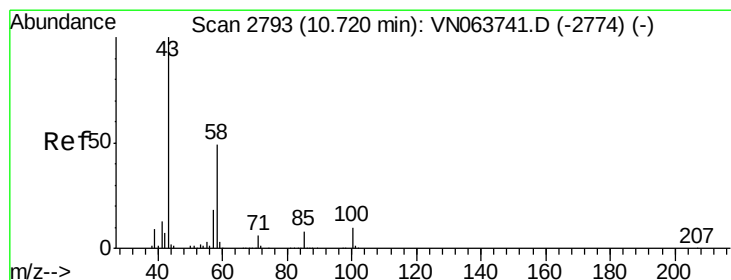
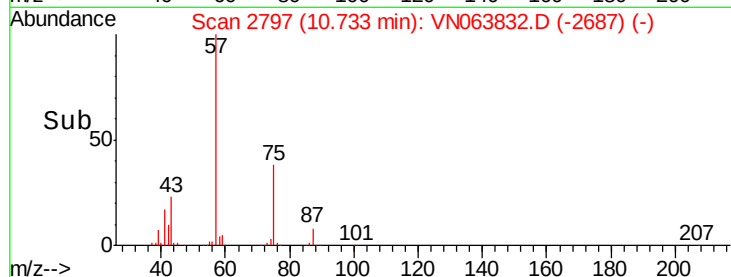
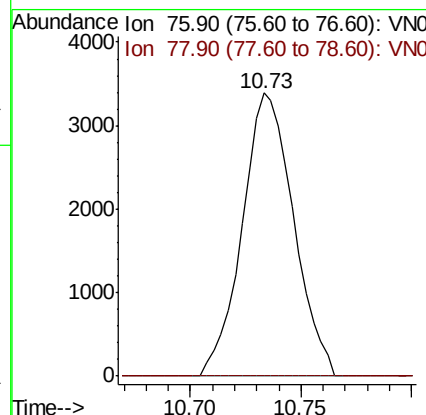
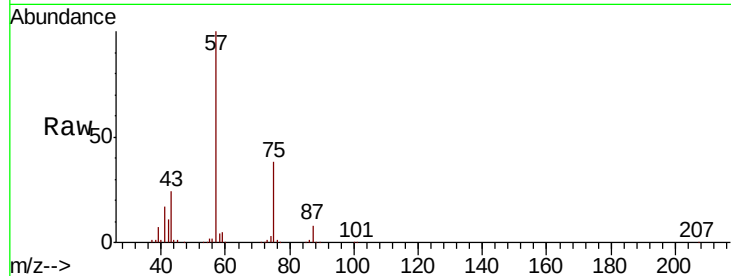




#57
 1,3-Dichloropropane
 Concen: 1.110 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.05 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

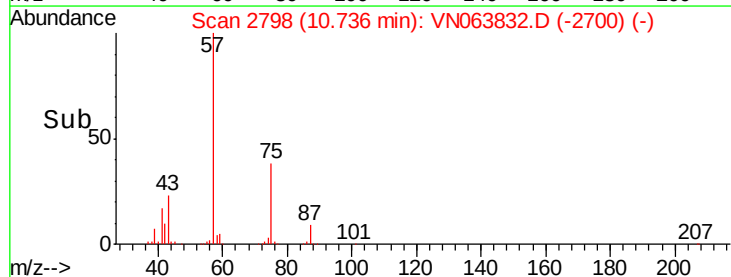
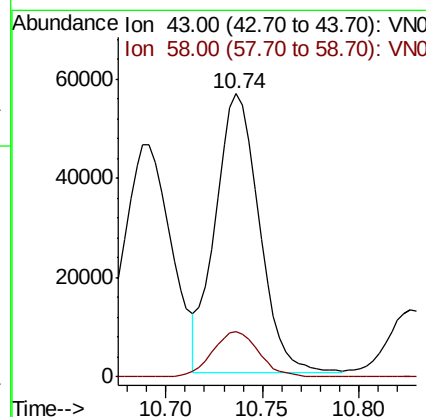
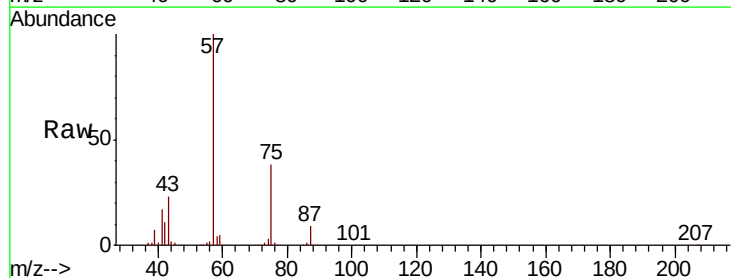
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#11

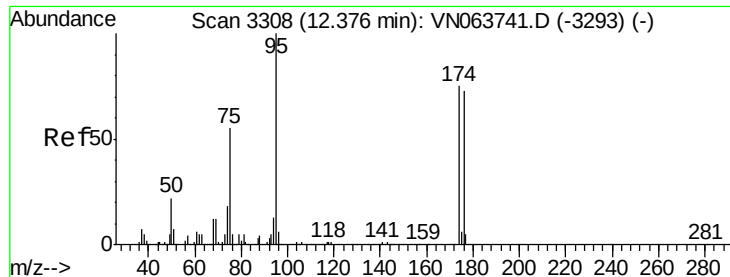
Tot Ion: 76 Resp: 5486
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 30.117 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

Tgt Ion: 43 Resp: 88741
 Ion Ratio Lower Upper
 43 100
 58 17.1 24.6 73.8#

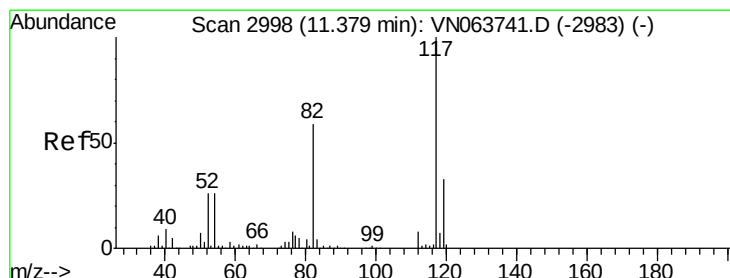
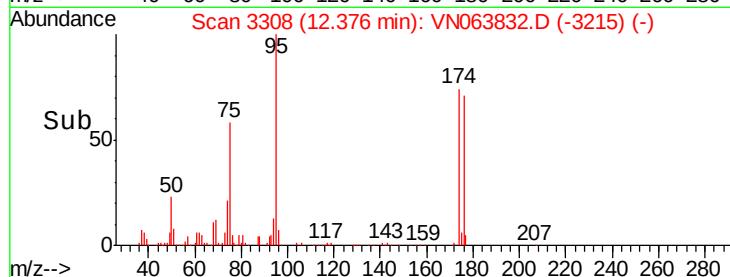
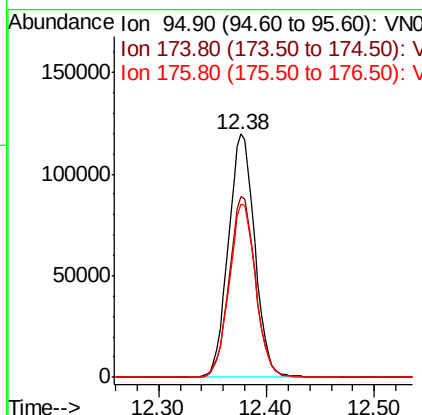
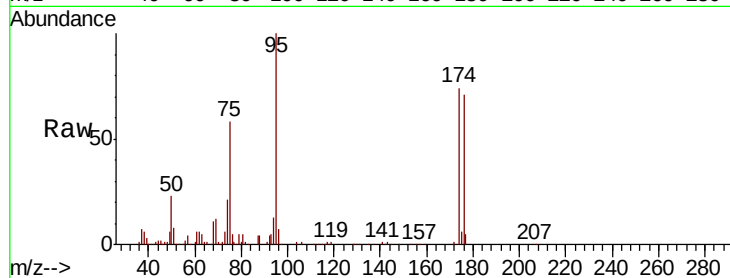




#62
4-Bromofluorobenzene
Concen: 50.920 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

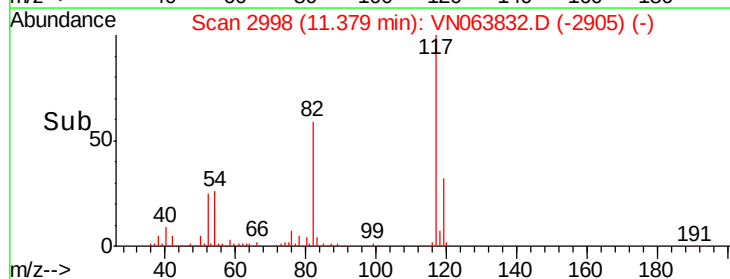
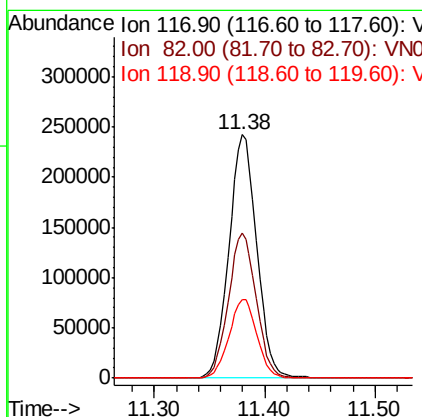
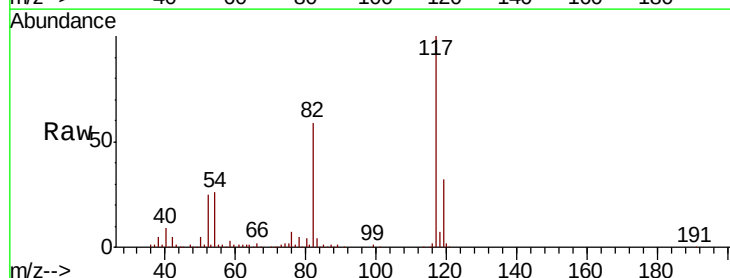
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#11

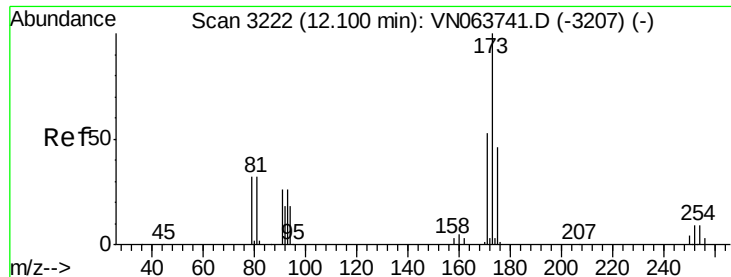
Tot Ion: 95 Resp: 204981
Ion Ratio Lower Upper
95 100
174 73.9 0.0 150.6
176 71.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Tgt Ion: 117 Resp: 423165
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.5 26.4 39.6





#71

Bromoform

Concen: 0.308 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#11

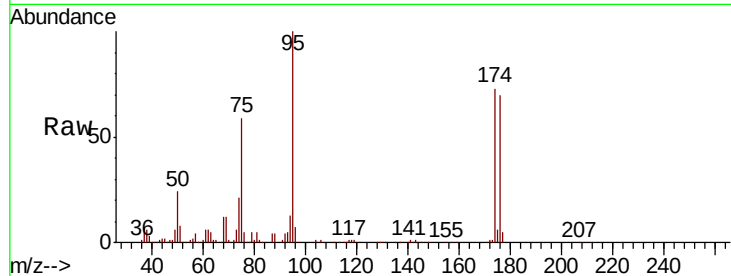
Tot Ion:173 Resp: 783

Ion Ratio Lower Upper

173 100

175 1276.1 23.5 70.5#

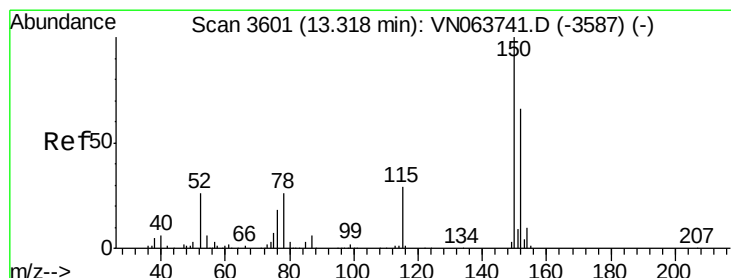
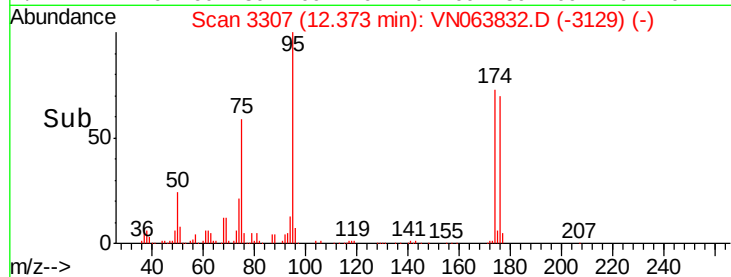
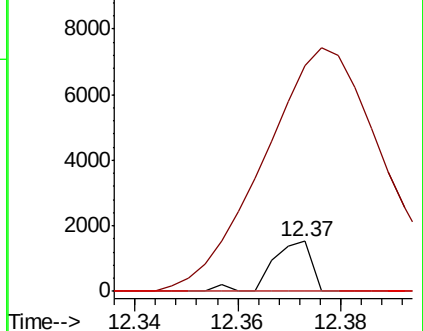
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

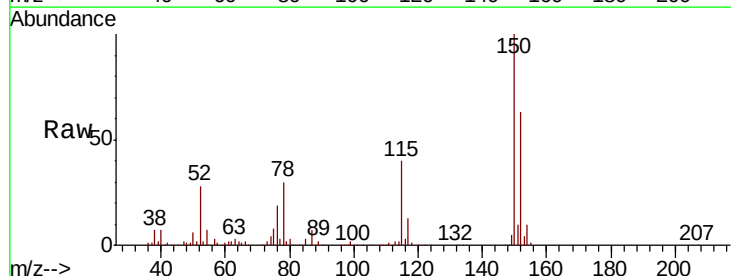
Tgt Ion:152 Resp: 169211

Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.8

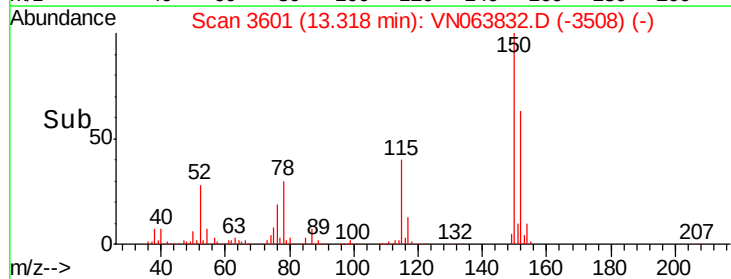
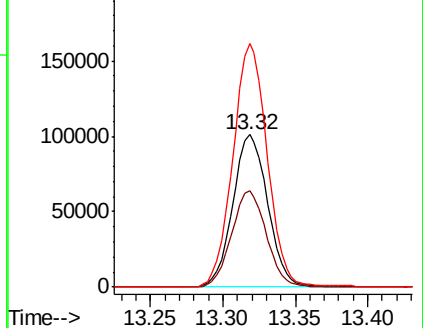
150 157.2 0.0 341.8

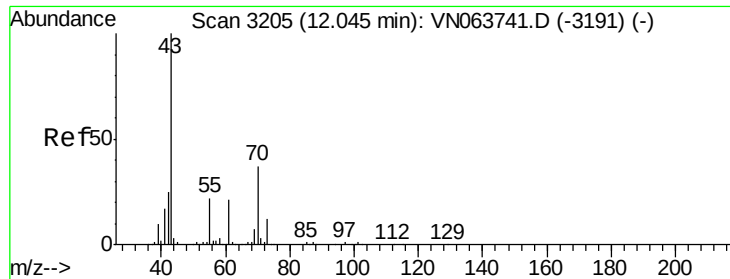


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

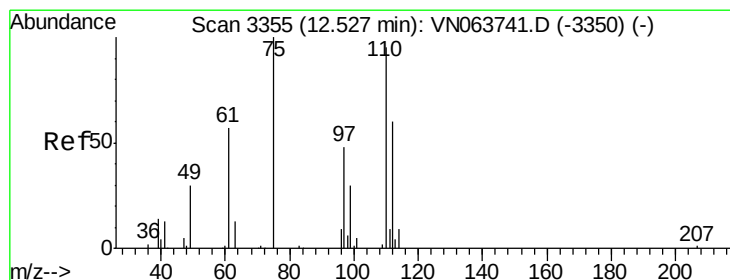
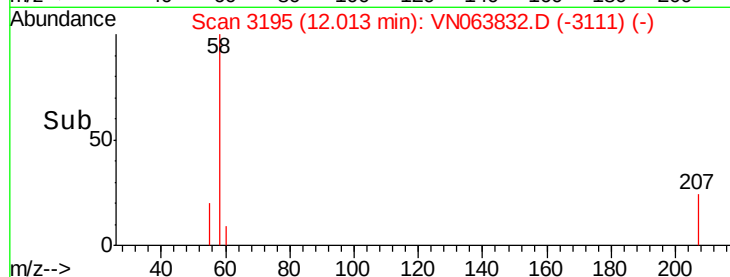
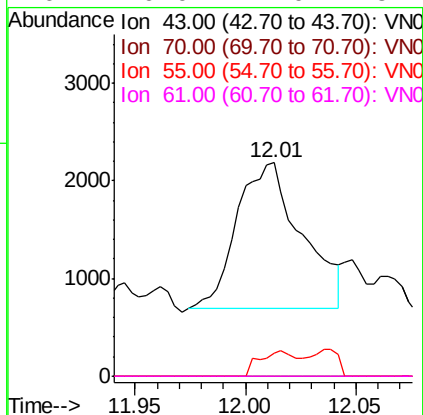
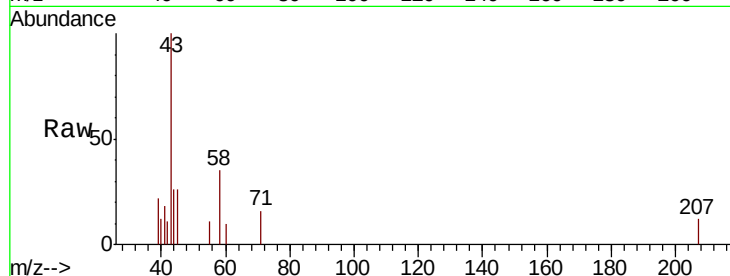




#74
N-amvl acetate
Concen: 2.720 ug/l
RT: 12.01 min Scan# 3195
Delta R.T. -0.03 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

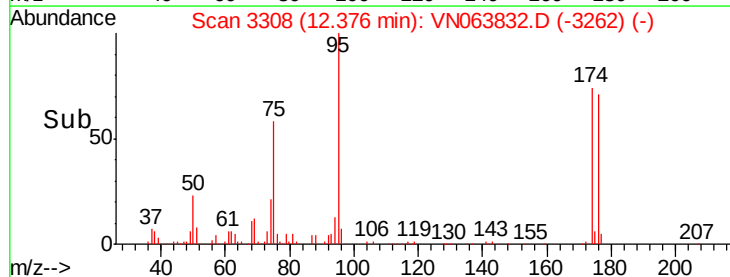
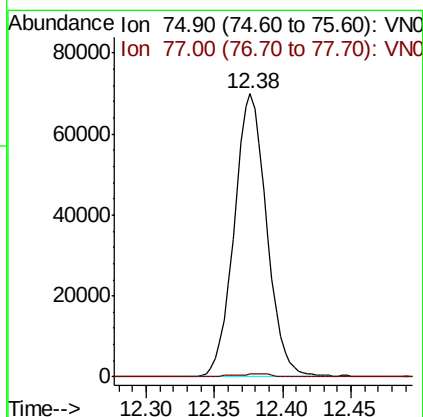
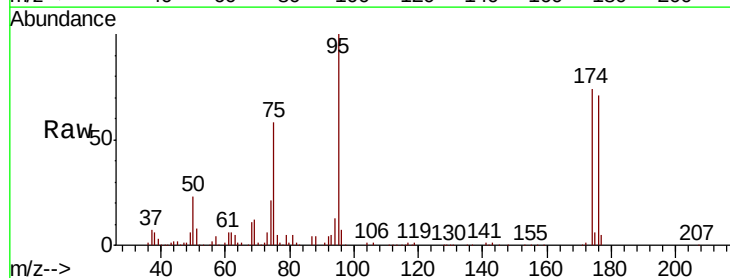
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#11

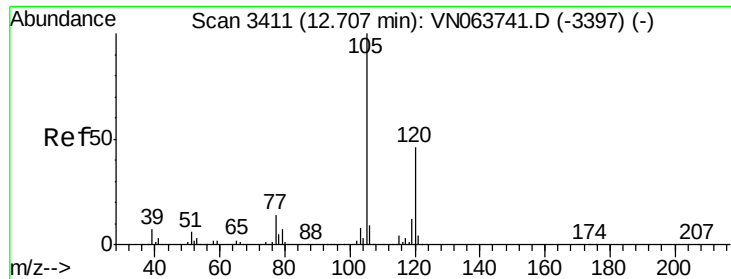
Tot Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 10.4 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 31.005 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063832.D
Acq: 2 Oct 2020 19:32

Tgt Ion: 75 Resp: 115651
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

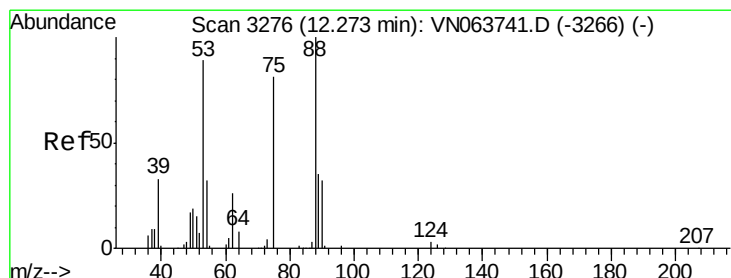
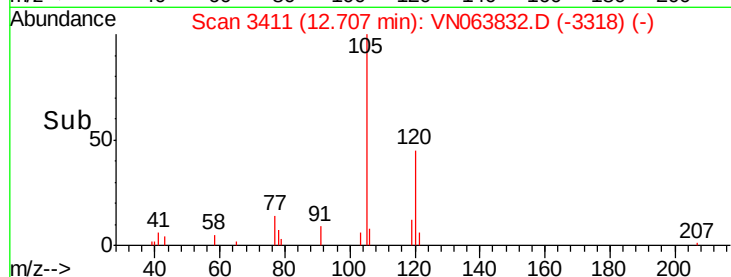
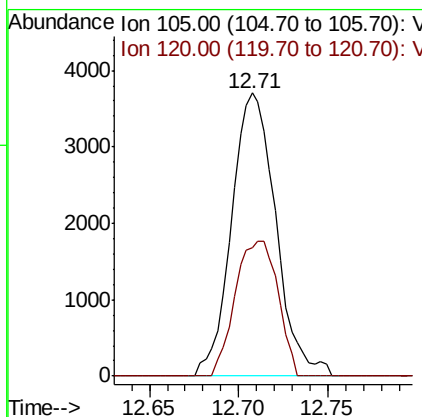
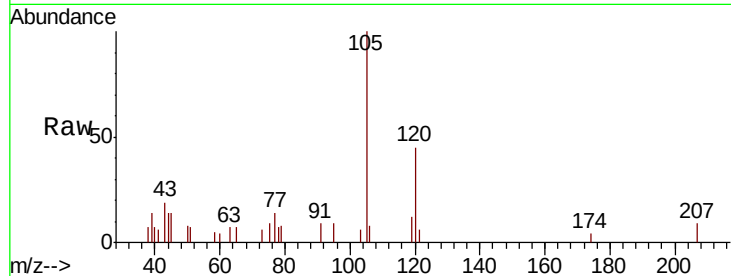




#80
 1,3,5-Trimethylbenzene
 Concen: 0.617 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

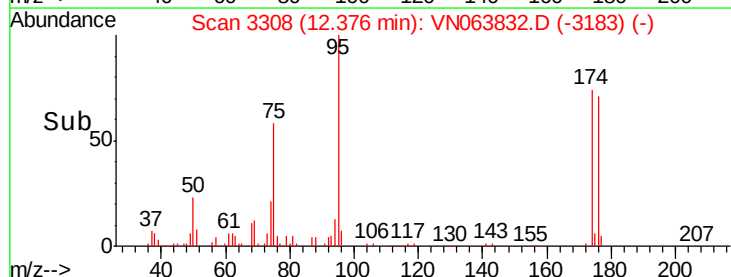
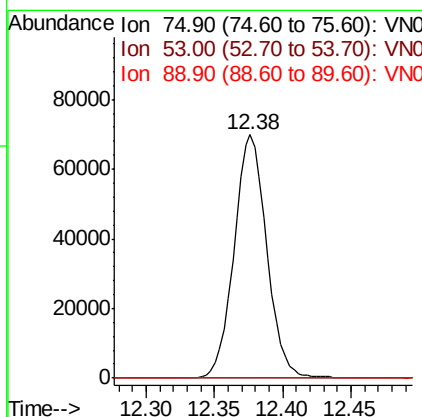
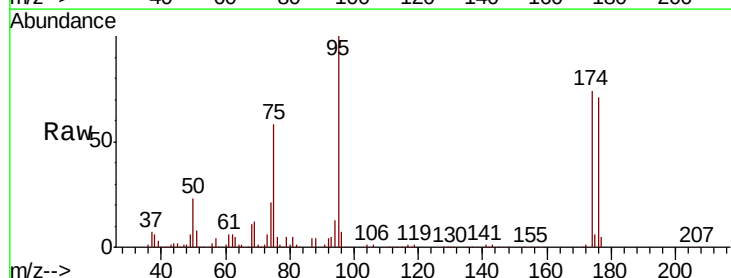
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#11

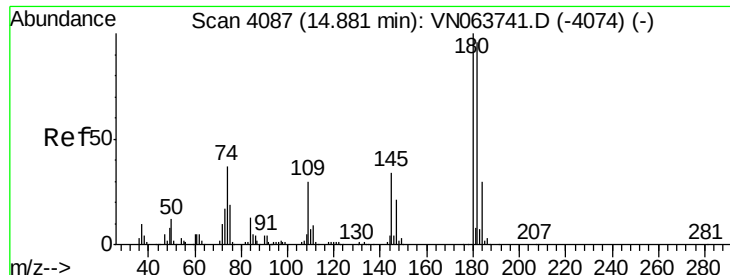
Tot Ion:105 Resp: 6392
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.299 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063832.D
 Acq: 2 Oct 2020 19:32

Tgt Ion: 75 Resp: 115651
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.746 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN063832.D

Acq: 2 Oct 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#11

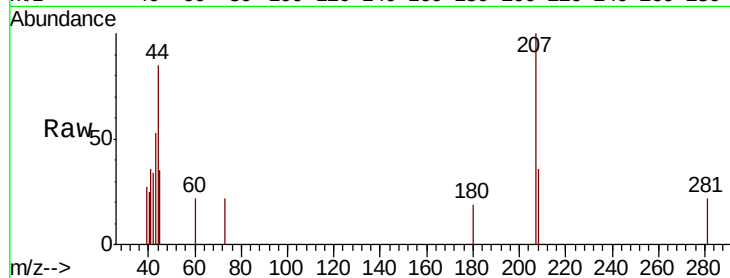
Tot Ion:180 Resp: 30

Ion Ratio Lower Upper

180 100

182 0.0 48.2 144.6#

145 0.0 17.1 51.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

