

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110724\
 Data File : VN084733.D
 Acq On : 07 Nov 2024 19:58
 Operator : JC\MD
 Sample : P4759-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 00:35:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

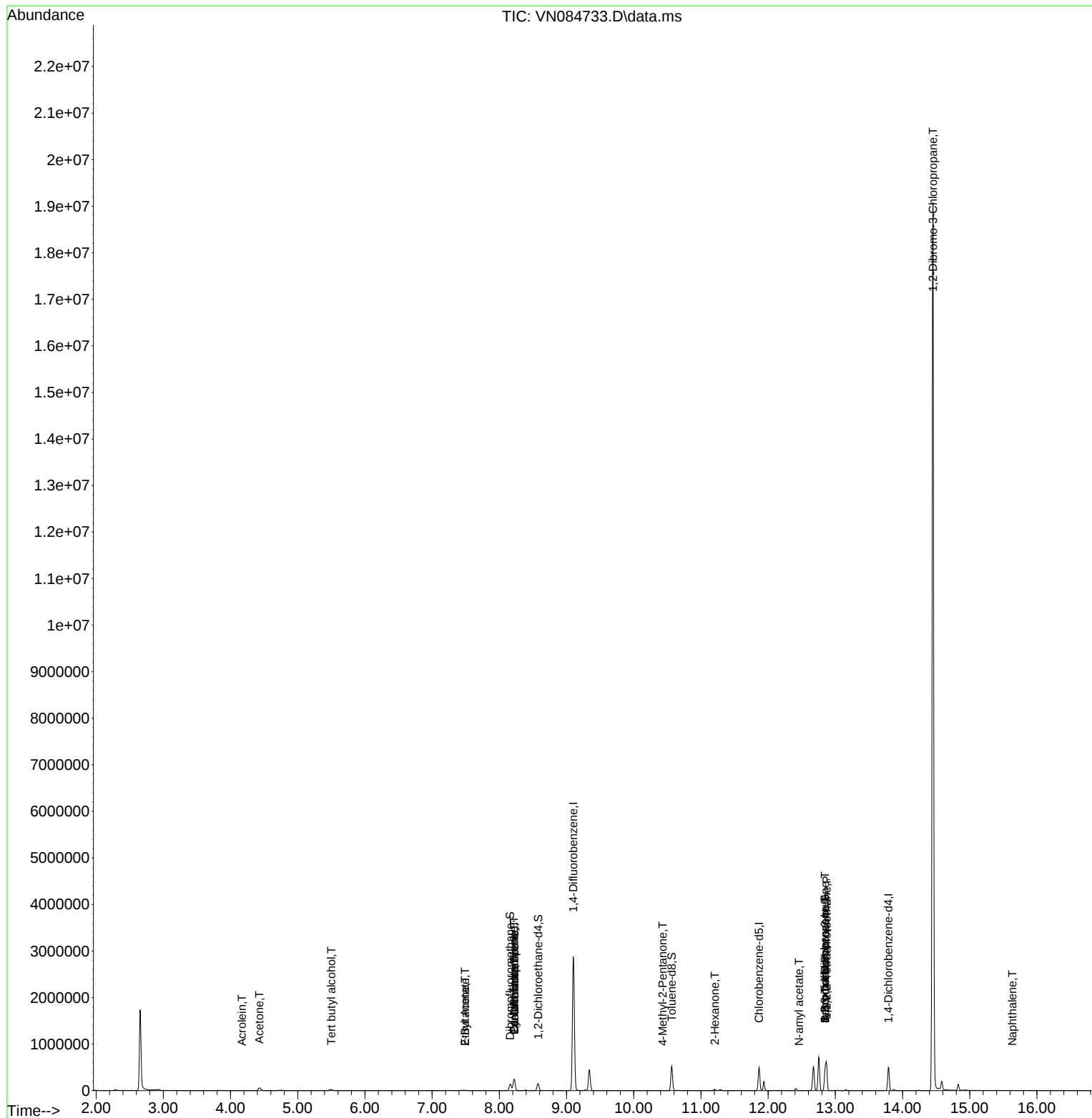
Internal Standards						
1) Pentafluorobenzene	8.224	168	181938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329677	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.865	117	287441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124266	47.289	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.580%		
35) Dibromofluoromethane	8.159	113	103570	46.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.820%		
50) Toluene-d8	10.565	98	366823	44.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.240%		
62) 4-Bromofluorobenzene	12.847	95	166622	54.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.480%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	638	Below Cal	#	41
6) Chloroethane	3.112	64	272	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	24577	70.855	ug/l	# 73
13) Acrolein	4.171	56	150	0.434	ug/l	# 14
16) Acetone	4.430	43	113360	148.179	ug/l	99
18) Methyl Acetate	5.030	43	1071	Below Cal		96
25) 2-Butanone	7.489	43	17464	14.245	ug/l	91
31) Cyclohexane	8.224	56	3819	1.053	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	14674	4.741	ug/l	# 50
37) Ethyl Acetate	7.489	43	17464	6.220	ug/l	# 69
38) Carbon Tetrachloride	8.218	117	19661	5.684	ug/l	# 16
43) Isopropyl Acetate	8.688	43	2156	Below Cal	#	43
51) 4-Methyl-2-Pentanone	10.430	43	720	0.269	ug/l	# 36
59) 2-Hexanone	11.206	43	10702	5.493	ug/l	# 41
71) Bromoform	12.847	173	933	0.554	ug/l	# 1
74) N-amyl acetate	12.459	43	1598	0.384	ug/l	# 42
75) 1,1,2,2-Tetrachloroethane	12.871	83	20351	6.235	ug/l	# 35
76) 1,2,3-Trichloropropane	12.847	75	83288	29.857	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	83288	70.833	ug/l	# 11
88) 1,4-Dichlorobenzene	13.735	146	263	Below Cal		89
92) 1,2-Dibromo-3-Chloropr...	14.453	75	22738	34.384	ug/l	# 5
95) Naphthalene	15.635	128	1723	0.213	ug/l	# 69

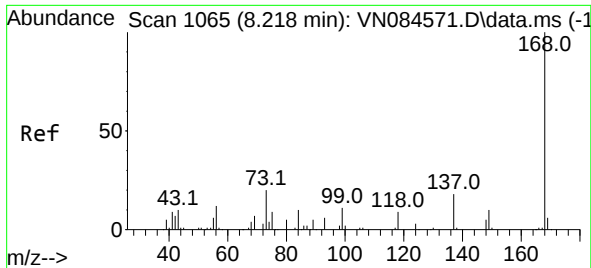
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

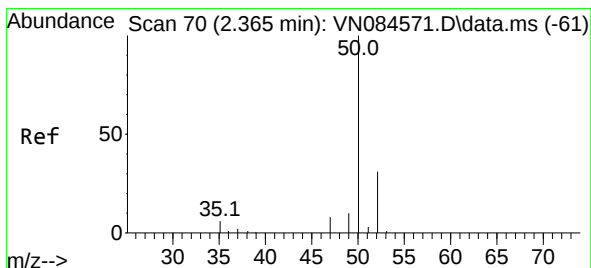
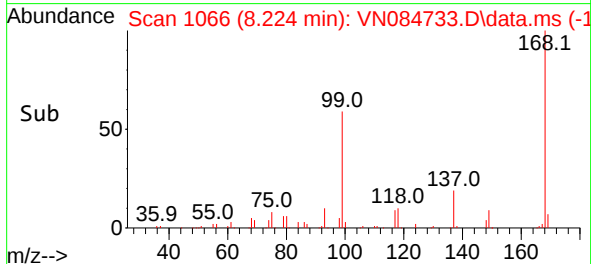
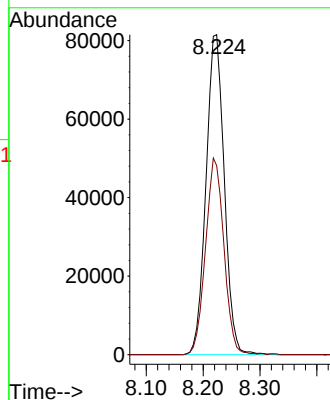
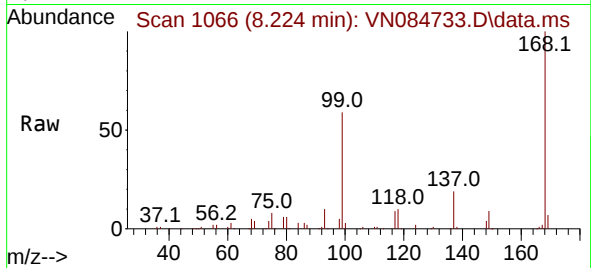




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

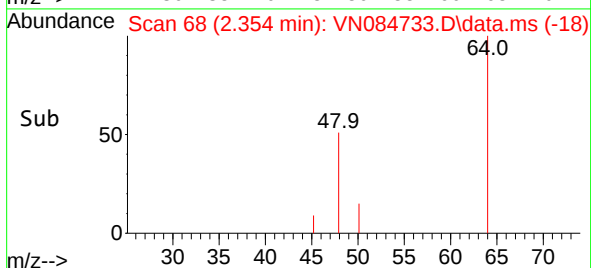
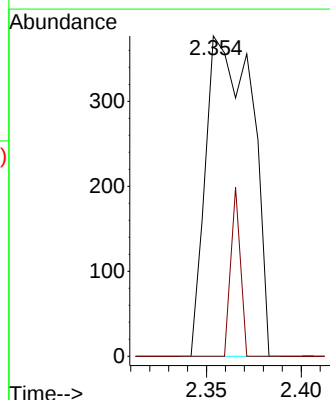
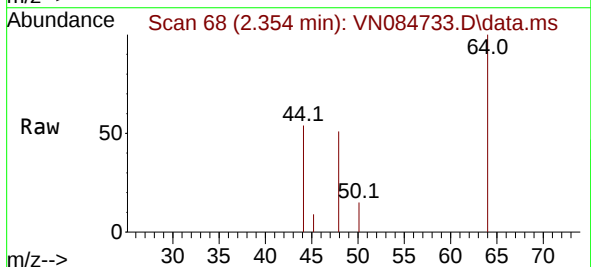
Instrument :
MSVOA_N
ClientSampleId :

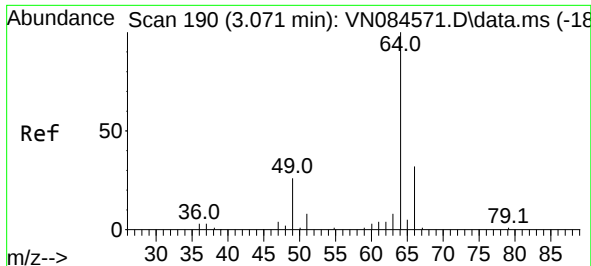
Tgt Ion:168 Resp: 181938
Ion Ratio Lower Upper
168 100
99 59.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

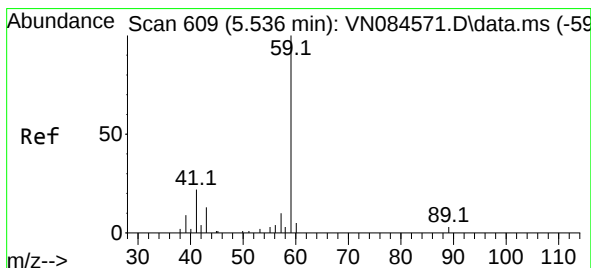
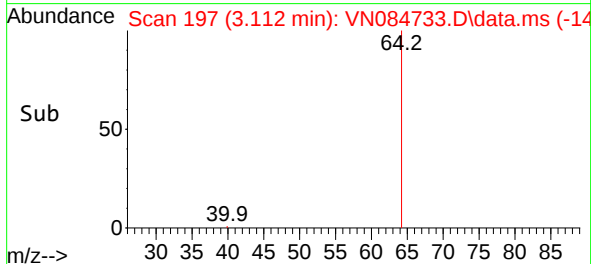
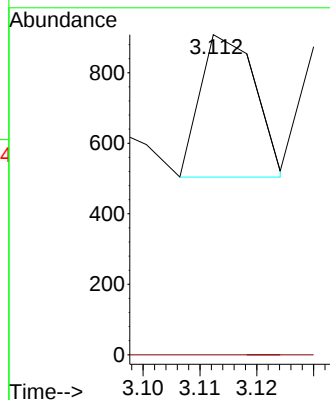
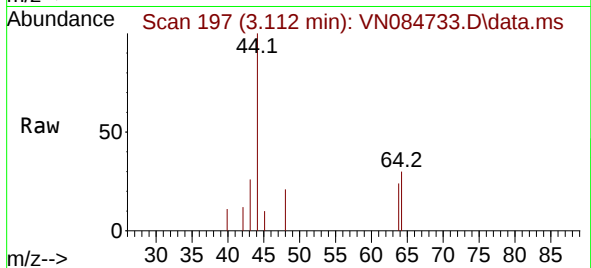




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 190
Delta R.T. -0.006 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

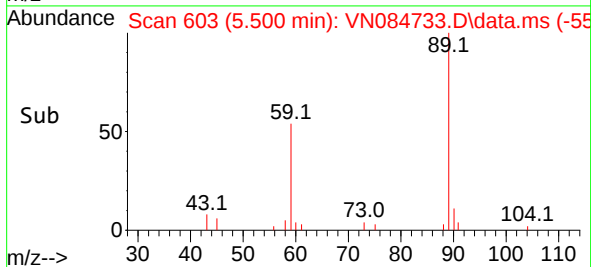
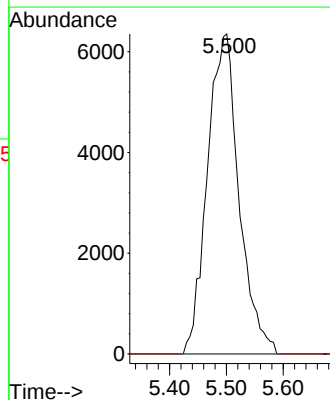
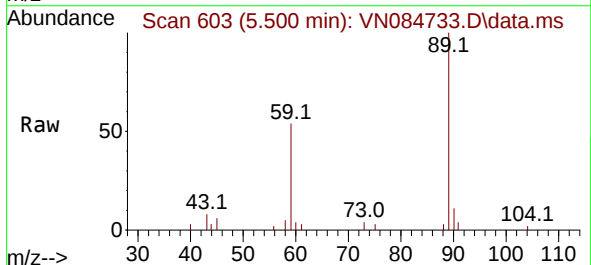
Instrument :
MSVOA_N
ClientSampleId :

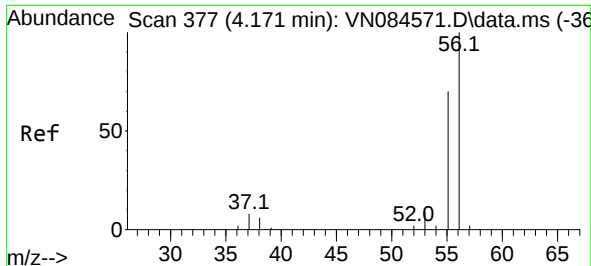
Tgt Ion: 64 Resp: 272
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 70.855 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.023 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 59 Resp: 24577
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.434 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN084733.D

Acq: 07 Nov 2024 19:58

Instrument :

MSVOA_N

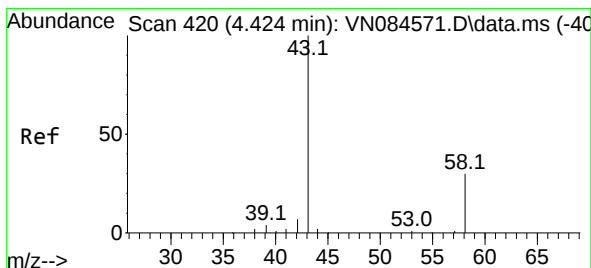
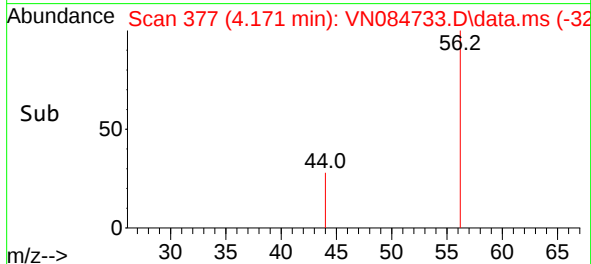
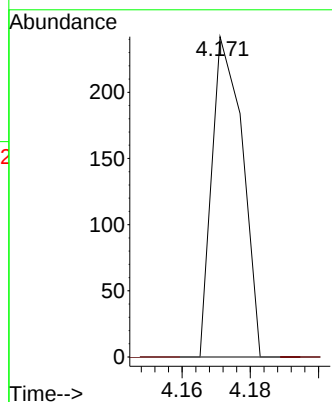
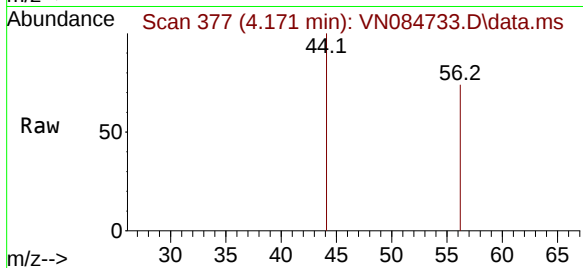
ClientSampleId :

Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#16

Acetone

Concen: 148.179 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084733.D

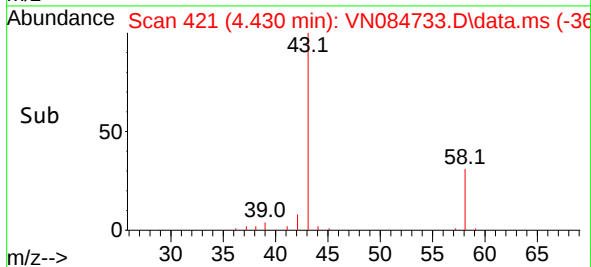
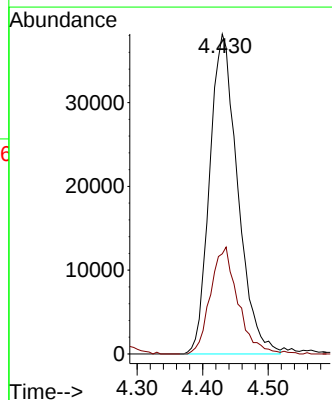
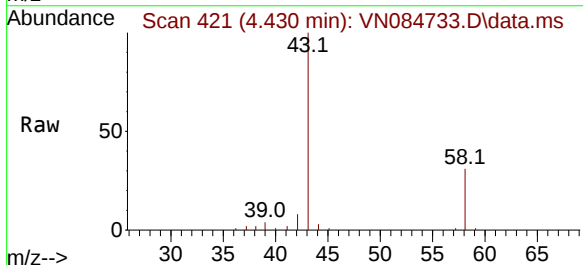
Acq: 07 Nov 2024 19:58

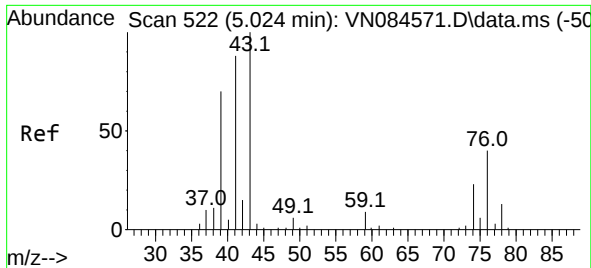
Tgt Ion: 43 Resp: 113360

Ion Ratio Lower Upper

43 100

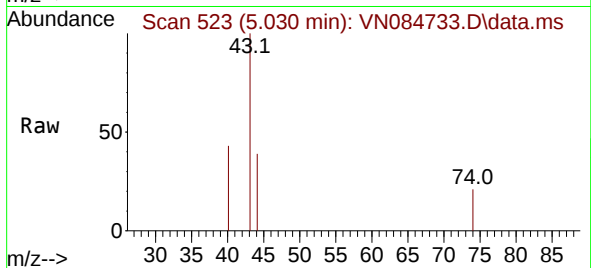
58 31.3 24.4 36.6



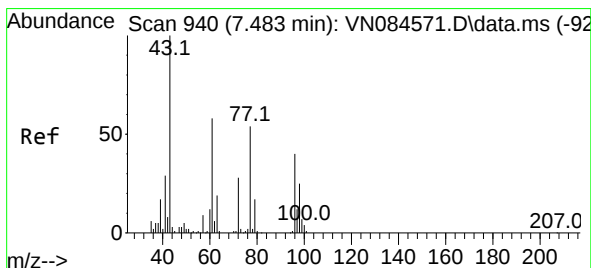
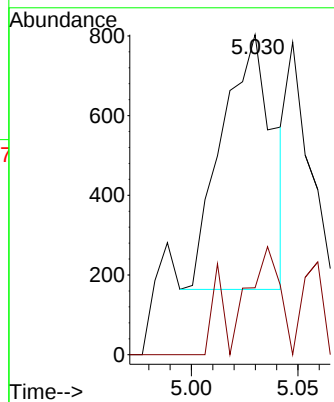
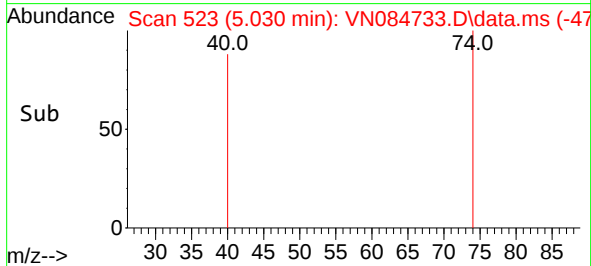


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Instrument :
MSVOA_N
ClientSampleId :

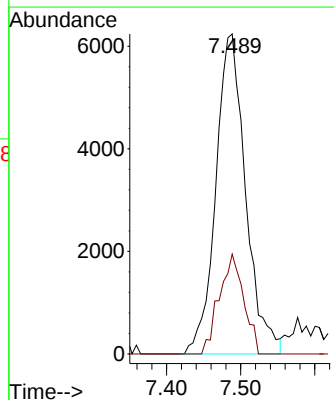
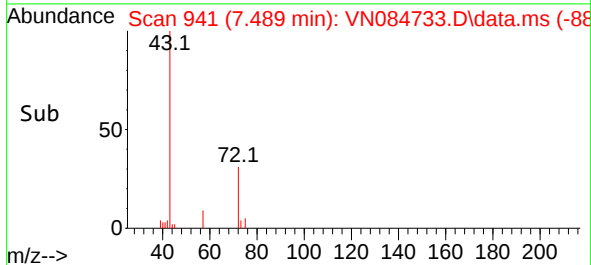
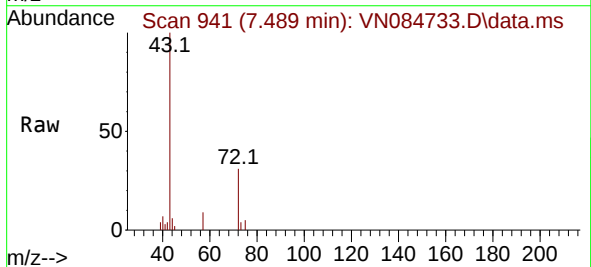


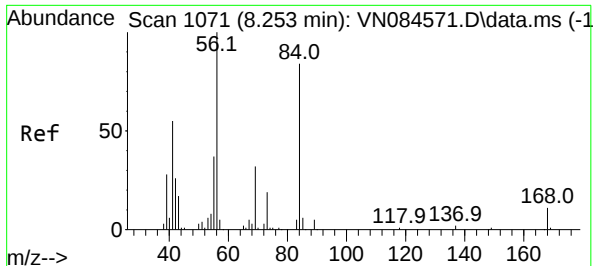
Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
74 25.8 19.2 28.8



#25
2-Butanone
Concen: 14.245 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

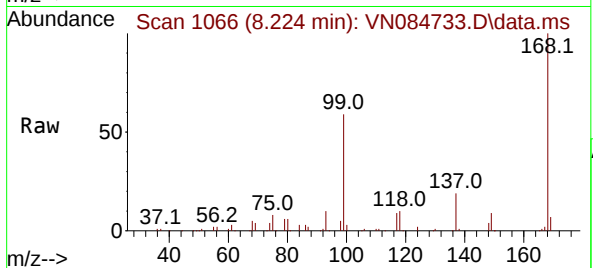
Tgt Ion: 43 Resp: 17464
Ion Ratio Lower Upper
43 100
72 31.2 21.4 32.2



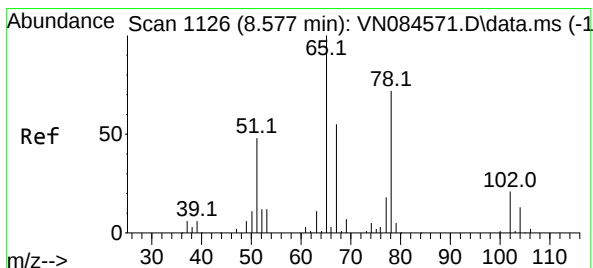
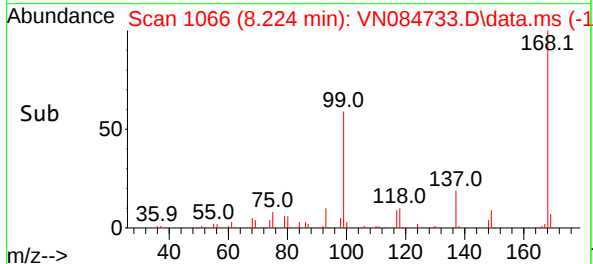
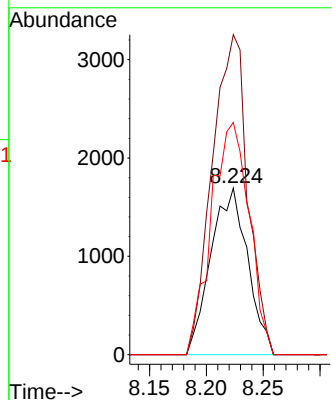


#31
Cyclohexane
Concen: 1.053 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Instrument :
MSVOA_N
ClientSampleId :

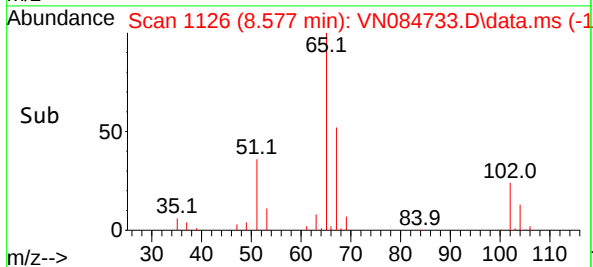
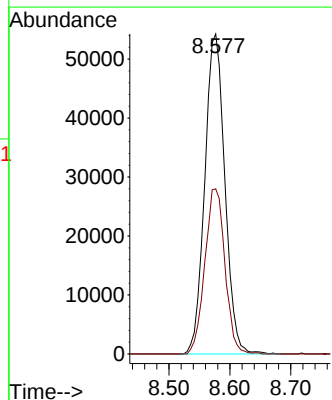
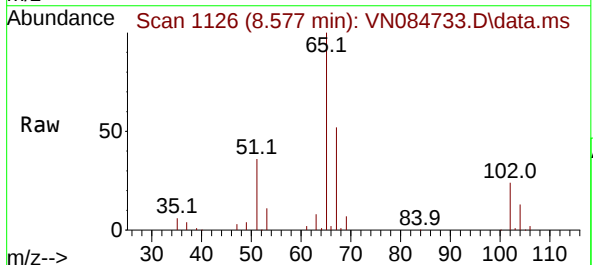


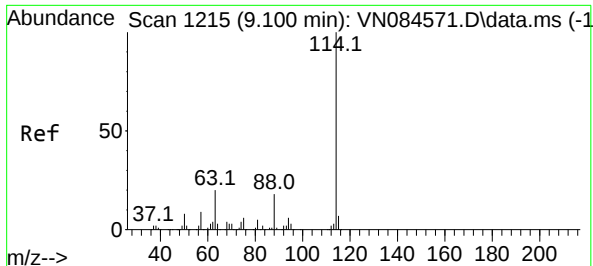
Tgt Ion: 56 Resp: 3819
Ion Ratio Lower Upper
56 100
69 192.2 23.8 35.6#
84 139.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.289 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 65 Resp: 124266
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0

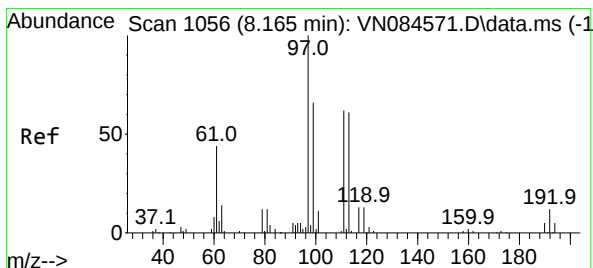
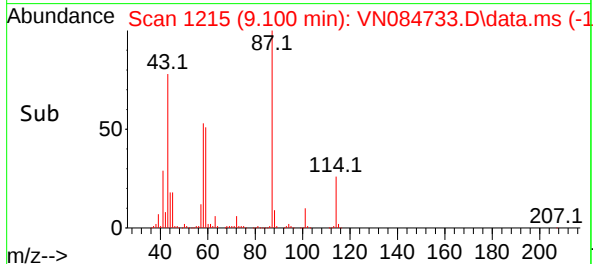
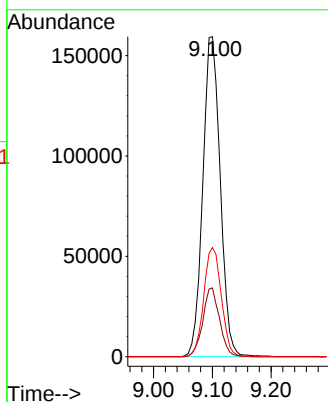
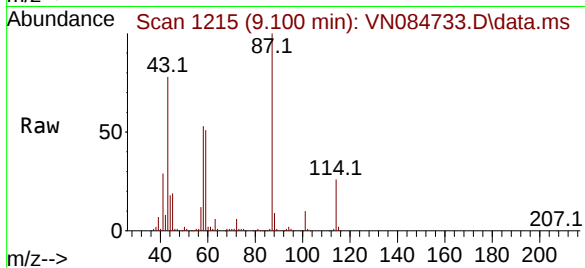




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

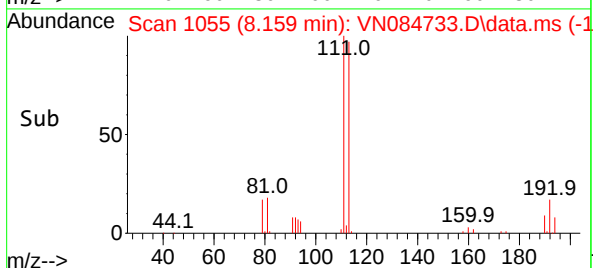
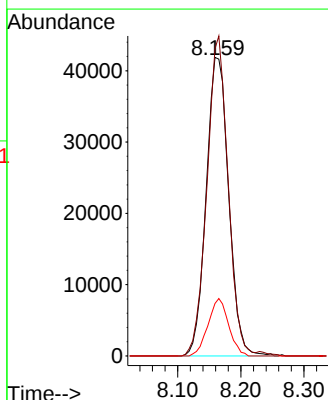
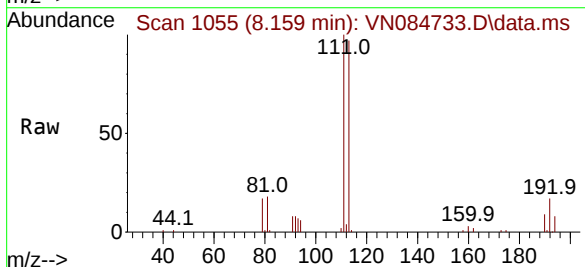
Instrument :
MSVOA_N
ClientSampleId :

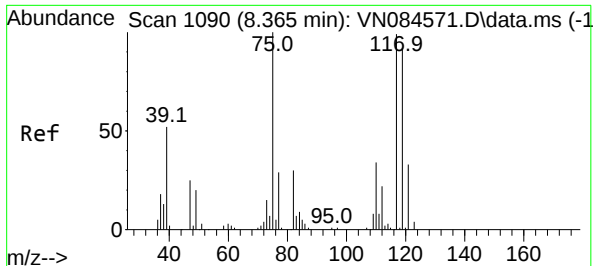
Tgt Ion:114 Resp: 329677
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.8
88 34.1 0.0 31.6#



#35
Dibromofluoromethane
Concen: 46.412 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion:113 Resp: 103570
Ion Ratio Lower Upper
113 100
111 100.8 83.3 124.9
192 17.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.741 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084733.D

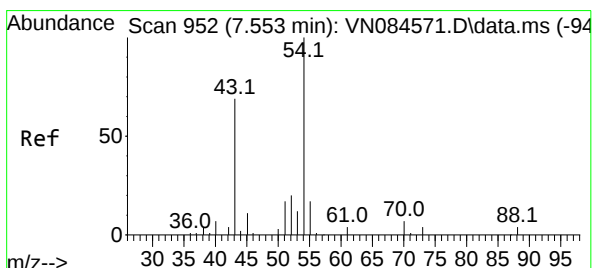
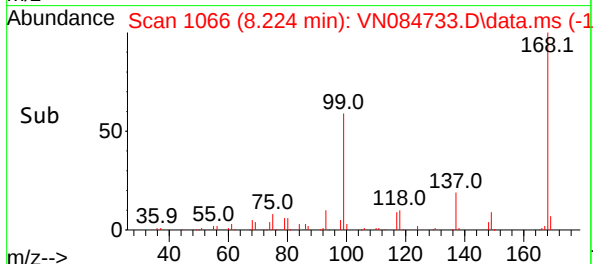
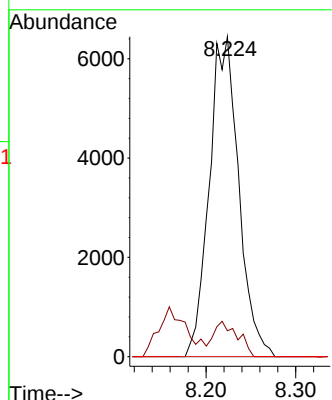
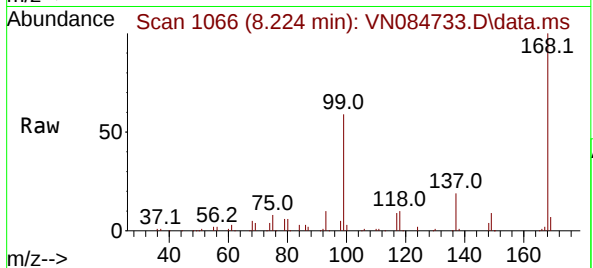
Acq: 07 Nov 2024 19:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	14674
Ion Ratio	Lower	Upper	
75	100		
110	9.0	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 6.220 ug/l

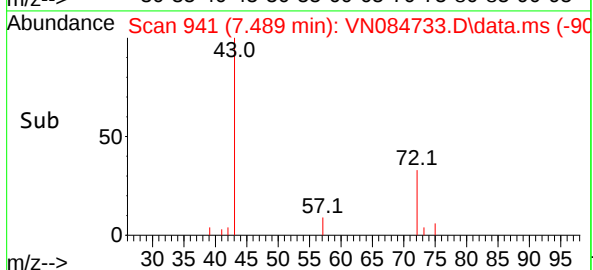
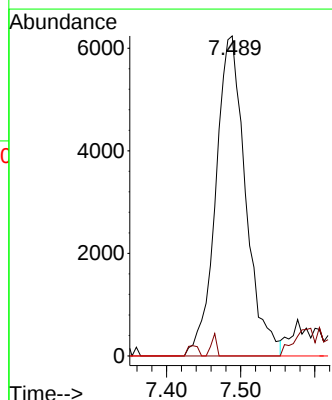
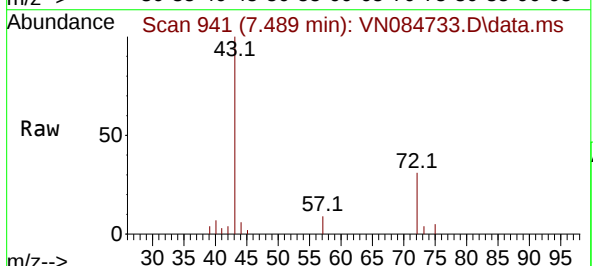
RT: 7.489 min Scan# 941

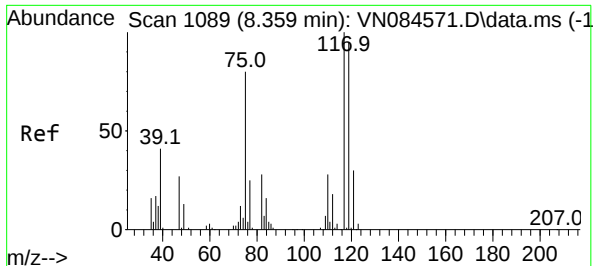
Delta R.T. -0.071 min

Lab File: VN084733.D

Acq: 07 Nov 2024 19:58

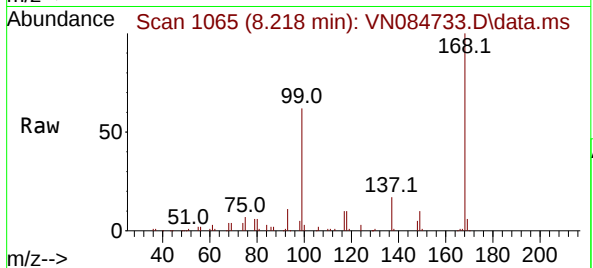
Tgt Ion:	43	Resp:	17464
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.7	16.1#
70	0.0	8.8	13.2#



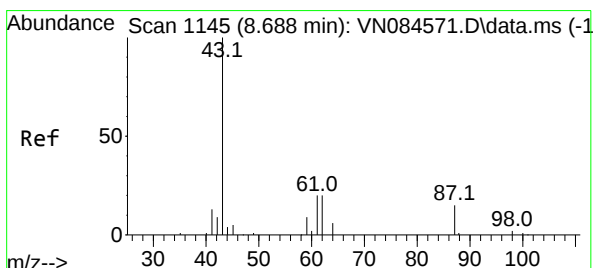
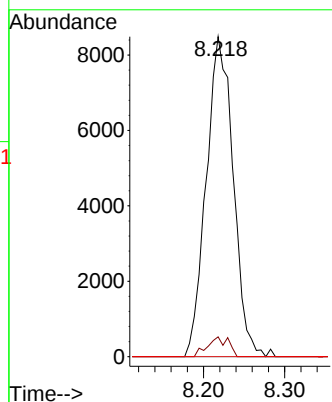
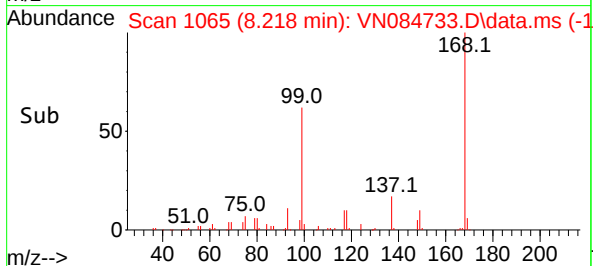


#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Instrument :
MSVOA_N
ClientSampleId :

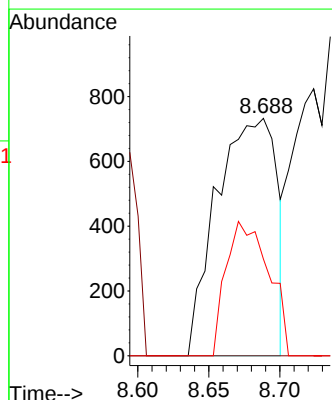
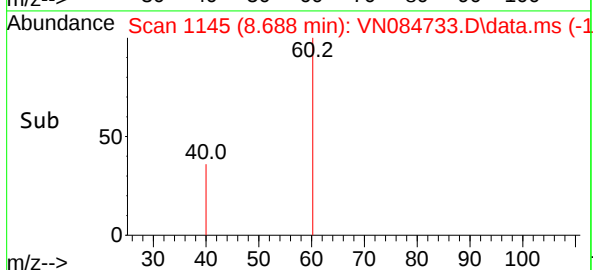
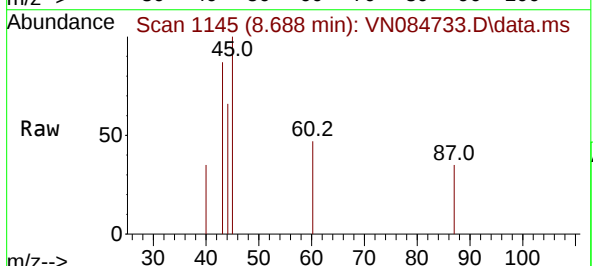


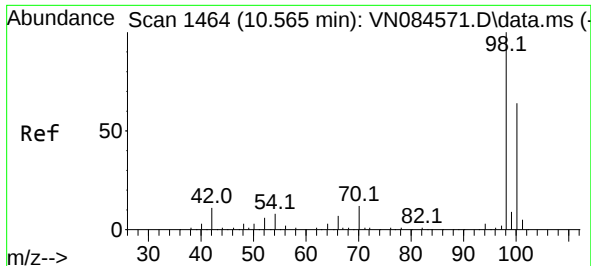
Tgt Ion:117 Resp: 19661
Ion Ratio Lower Upper
117 100
119 6.2 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 40.3 10.3 15.5#

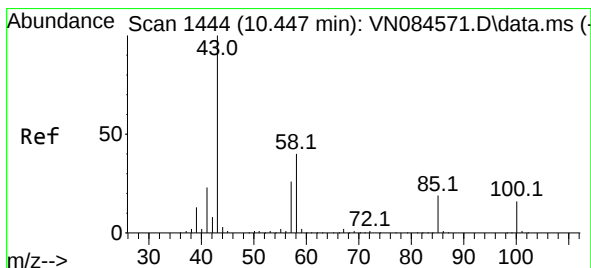
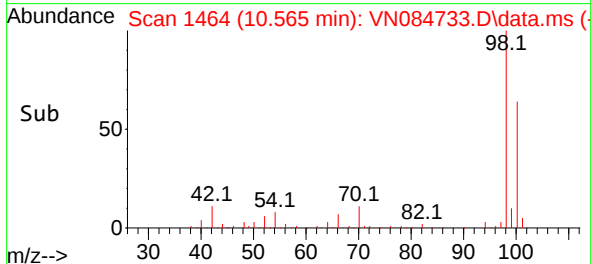
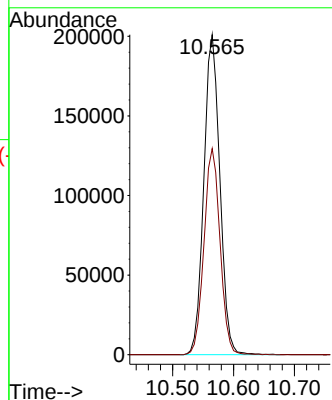
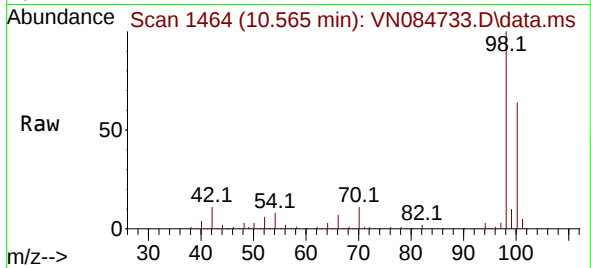




#50
Toluene-d8
Concen: 44.625 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

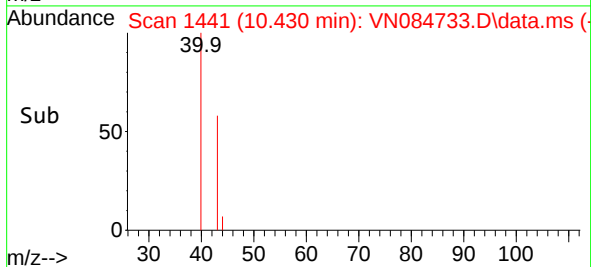
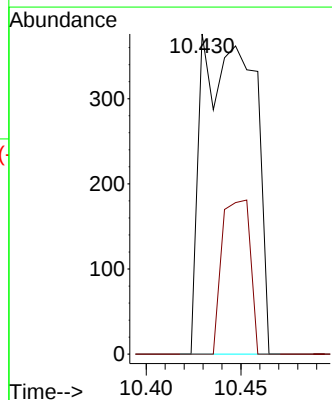
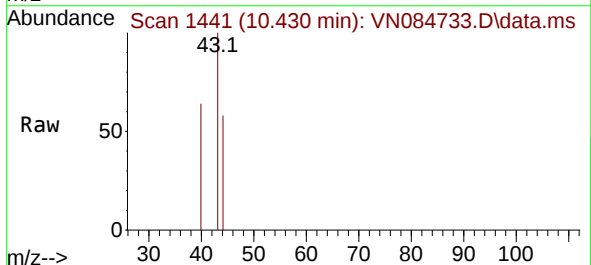
Instrument :
MSVOA_N
ClientSampleId :

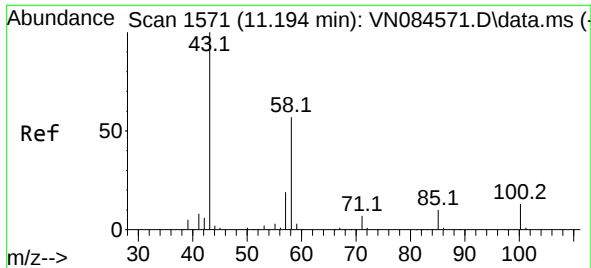
Tgt Ion: 98 Resp: 366823
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. -0.012 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 0.0 31.6 47.4#

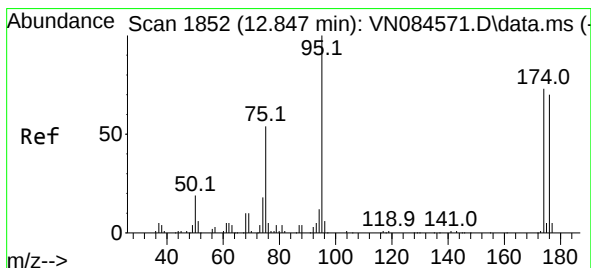
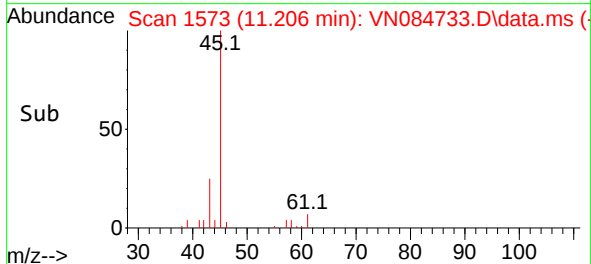
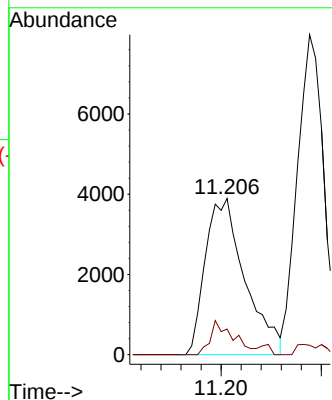
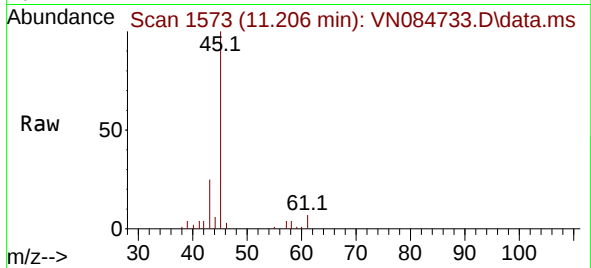




#59
2-Hexanone
Concen: 5.493 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

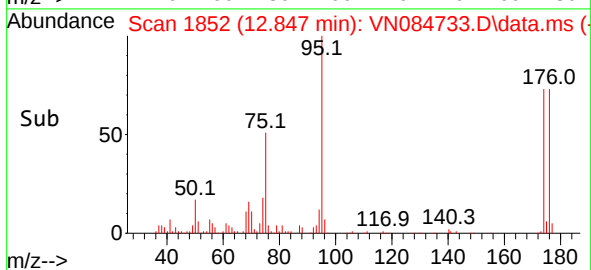
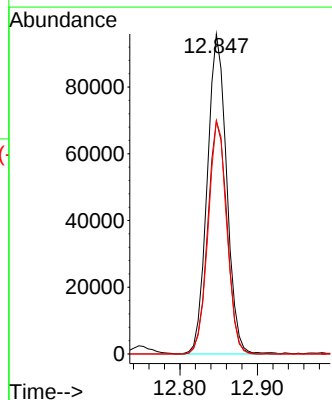
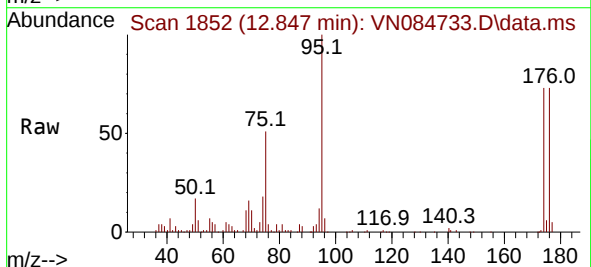
Instrument :
MSVOA_N
ClientSampleId :

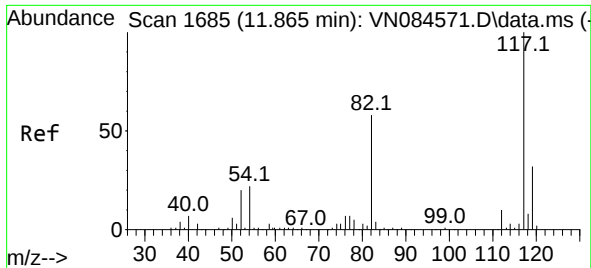
Tgt Ion: 43 Resp: 10702
Ion Ratio Lower Upper
43 100
58 12.3 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 54.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 95 Resp: 166622
Ion Ratio Lower Upper
95 100
174 71.9 0.0 145.2
176 70.1 0.0 140.0

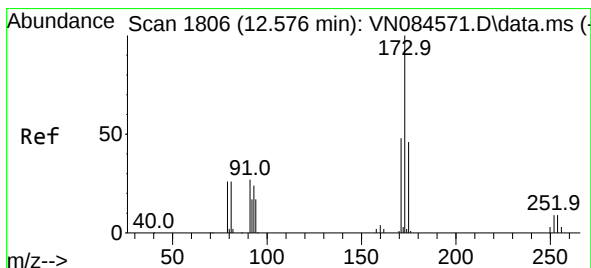
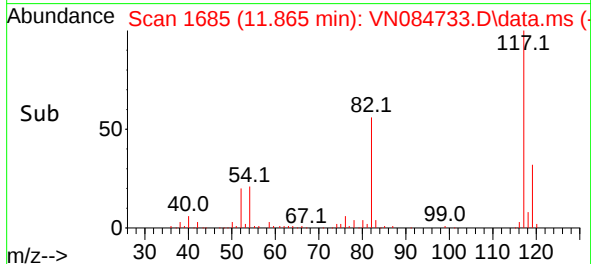
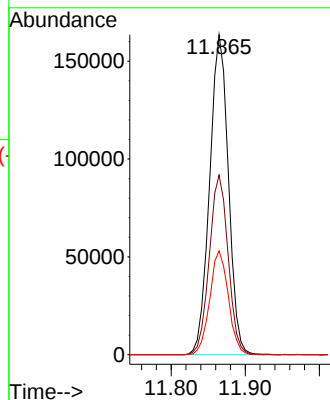
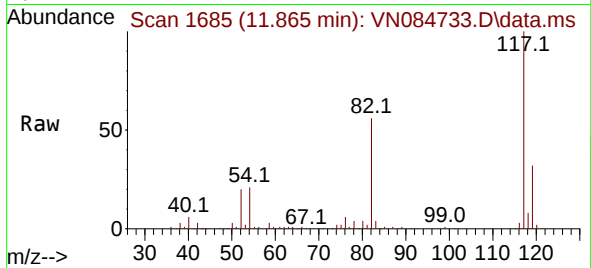




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

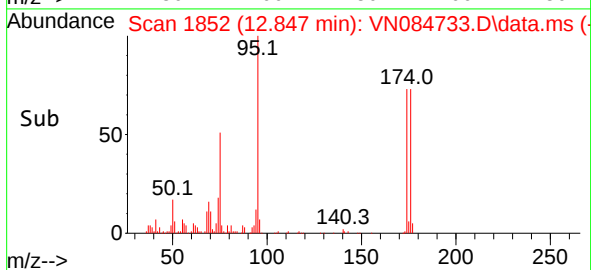
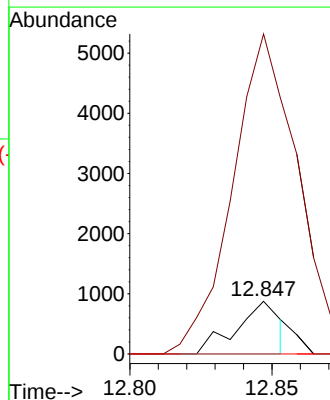
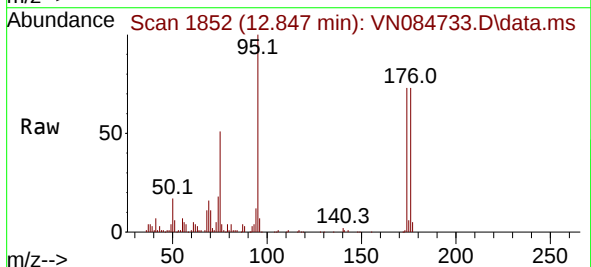
Instrument :
MSVOA_N
ClientSampleId :

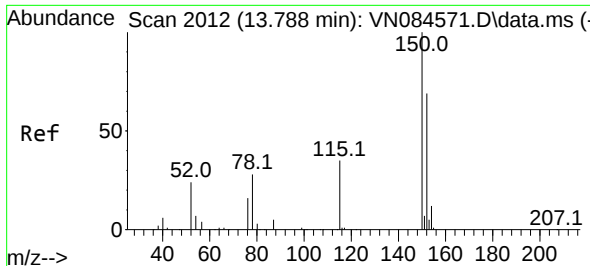
Tgt Ion:117 Resp: 287441
Ion Ratio Lower Upper
117 100
82 56.1 47.2 70.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 0.554 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion:173 Resp: 933
Ion Ratio Lower Upper
173 100
175 691.5 23.5 70.6#
254 0.0 0.0 0.0

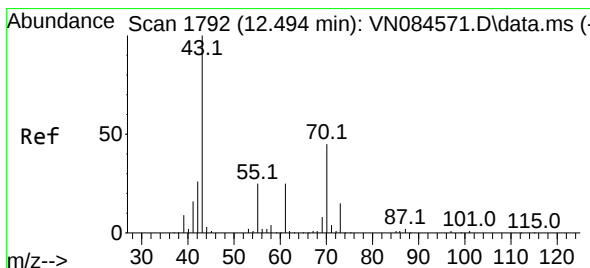
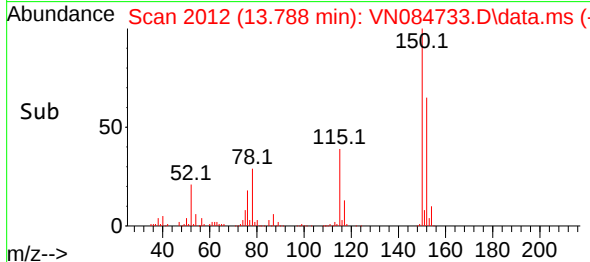
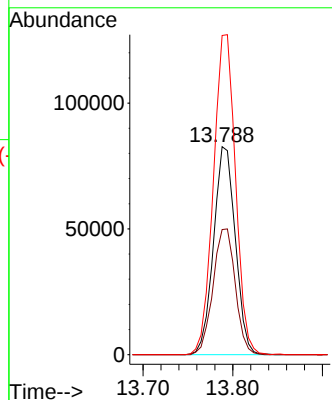
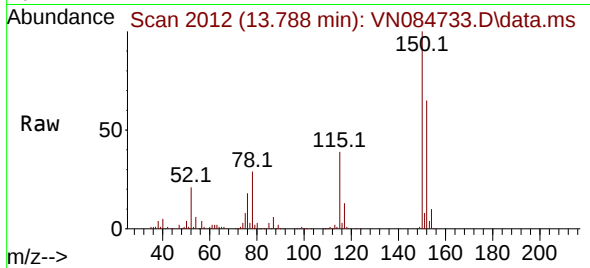




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

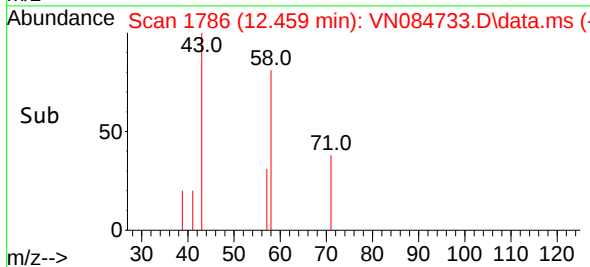
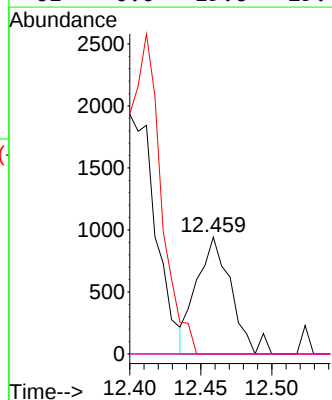
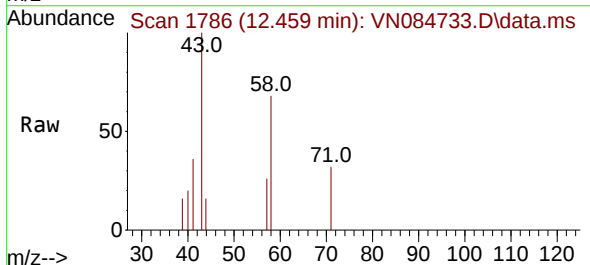
Instrument :
MSVOA_N
ClientSampleId :

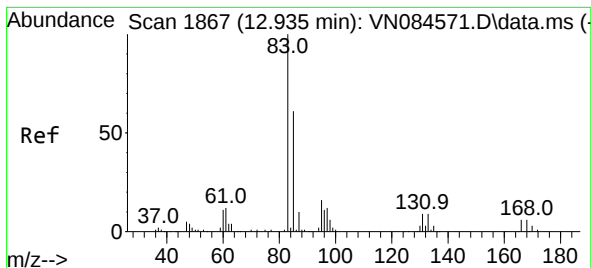
Tgt Ion:152 Resp: 139551
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 156.1 0.0 349.8



#74
N-ethyl acetate
Concen: 0.384 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 6.235 ug/l

RT: 12.871 min Scan# 1856

Delta R.T. -0.065 min

Lab File: VN084733.D

Acq: 07 Nov 2024 19:58

Instrument :

MSVOA_N

ClientSampleId :

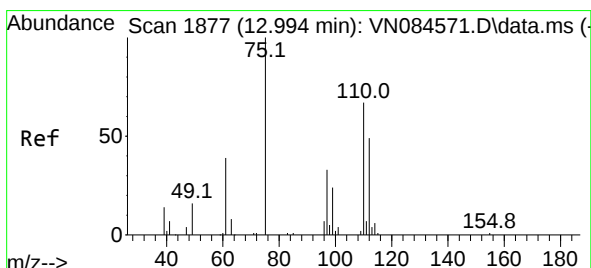
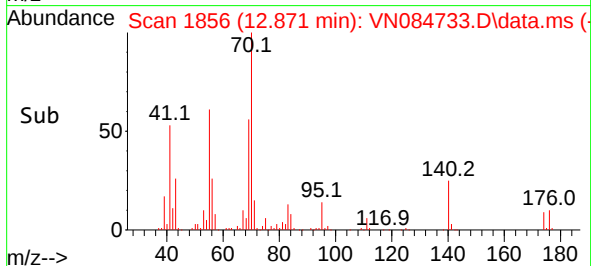
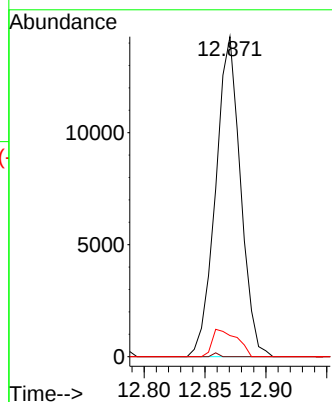
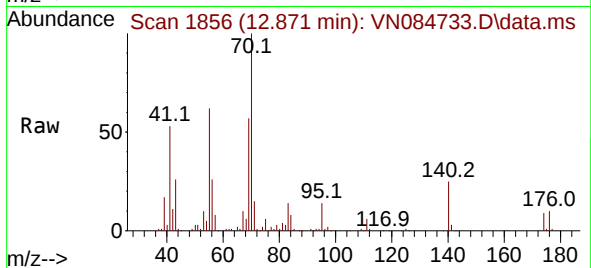
Tgt Ion: 83 Resp: 20351

Ion Ratio Lower Upper

83 100

131 0.3 4.9 14.7#

85 8.5 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 29.857 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084733.D

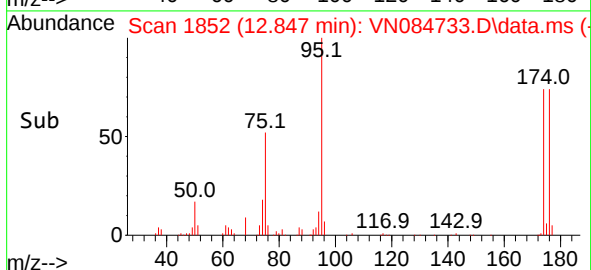
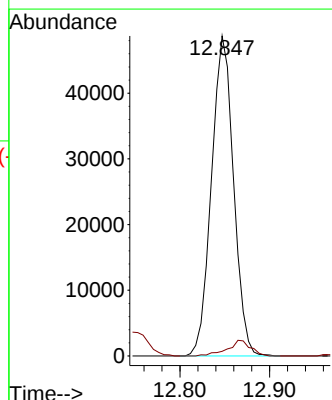
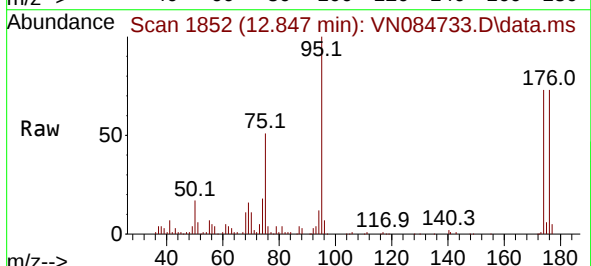
Acq: 07 Nov 2024 19:58

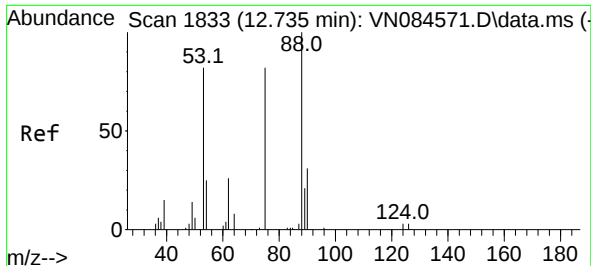
Tgt Ion: 75 Resp: 83288

Ion Ratio Lower Upper

75 100

77 5.1 96.9 290.7#

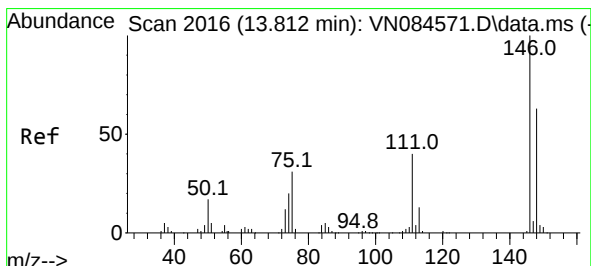
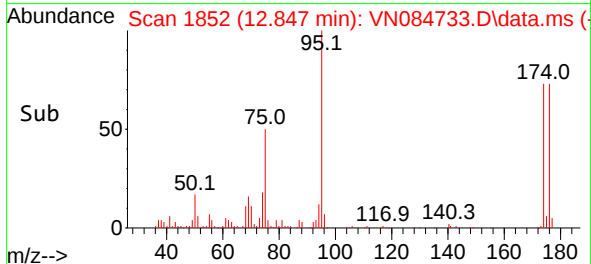
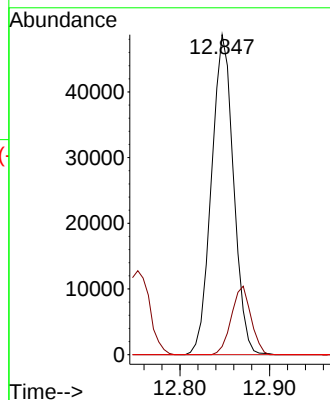
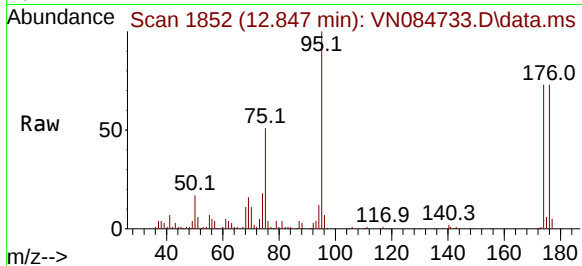




#81
trans-1,4-Dichloro-2-butene
Concen: 70.833 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

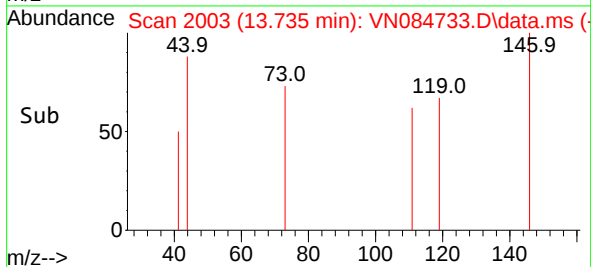
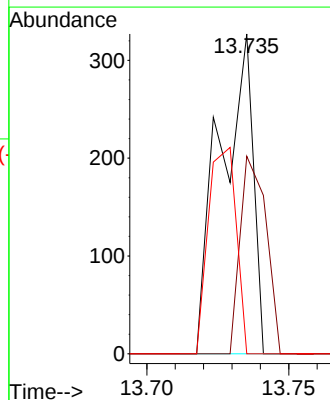
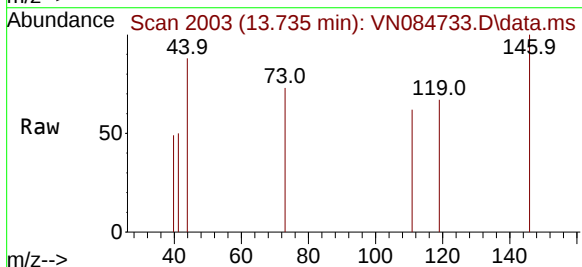
Instrument :
MSVOA_N
ClientSampleId :

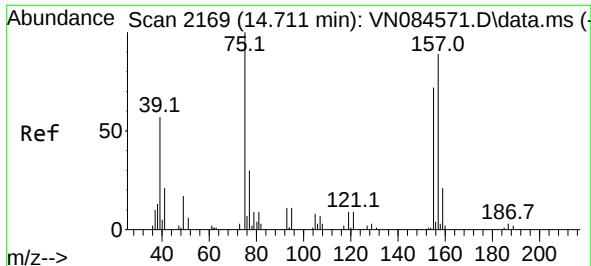
Tgt Ion: 75 Resp: 83288
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2003
Delta R.T. -0.077 min
Lab File: VN084733.D
Acq: 07 Nov 2024 19:58

Tgt Ion:146 Resp: 263
Ion Ratio Lower Upper
146 100
111 48.7 21.2 63.6
148 54.8 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 34.384 ug/l

RT: 14.453 min Scan# 2125

Delta R.T. -0.265 min

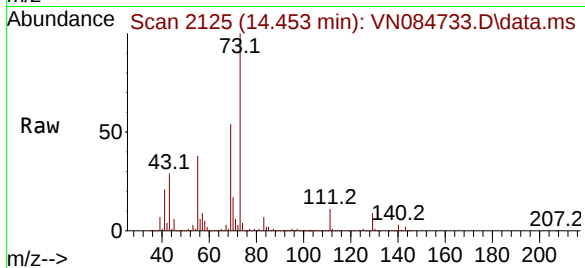
Lab File: VN084733.D

Acq: 07 Nov 2024 19:58

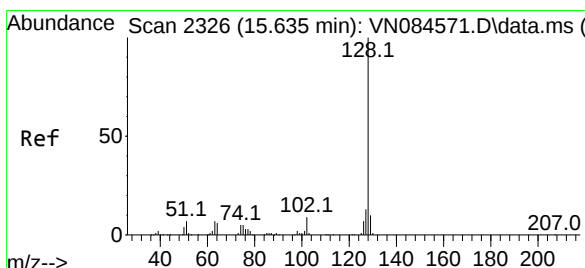
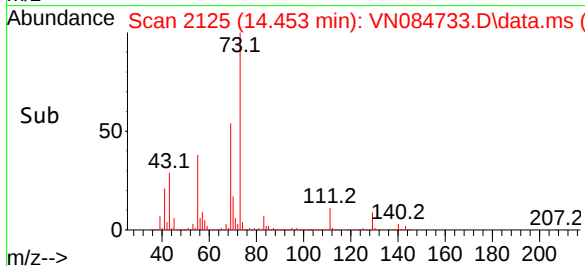
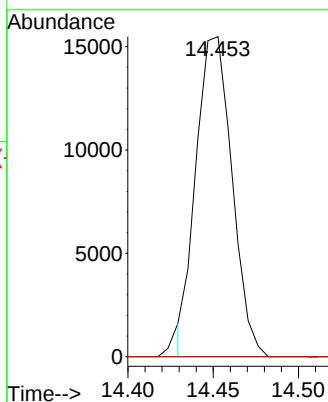
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 22738
Ion Ratio	Lower Upper
75	100
155	0.0 38.1 114.5#
157	0.0 49.6 149.0#



#95

Naphthalene

Concen: 0.213 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084733.D

Acq: 07 Nov 2024 19:58

Tgt Ion: 128	Resp: 1723
Ion Ratio	Lower Upper
128	100
127	0.0 10.5 15.7#
129	0.0 8.7 13.1#

