

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084967.D
 Acq On : 20 Nov 2024 14:33
 Operator : JC\MD
 Sample : PB165122TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

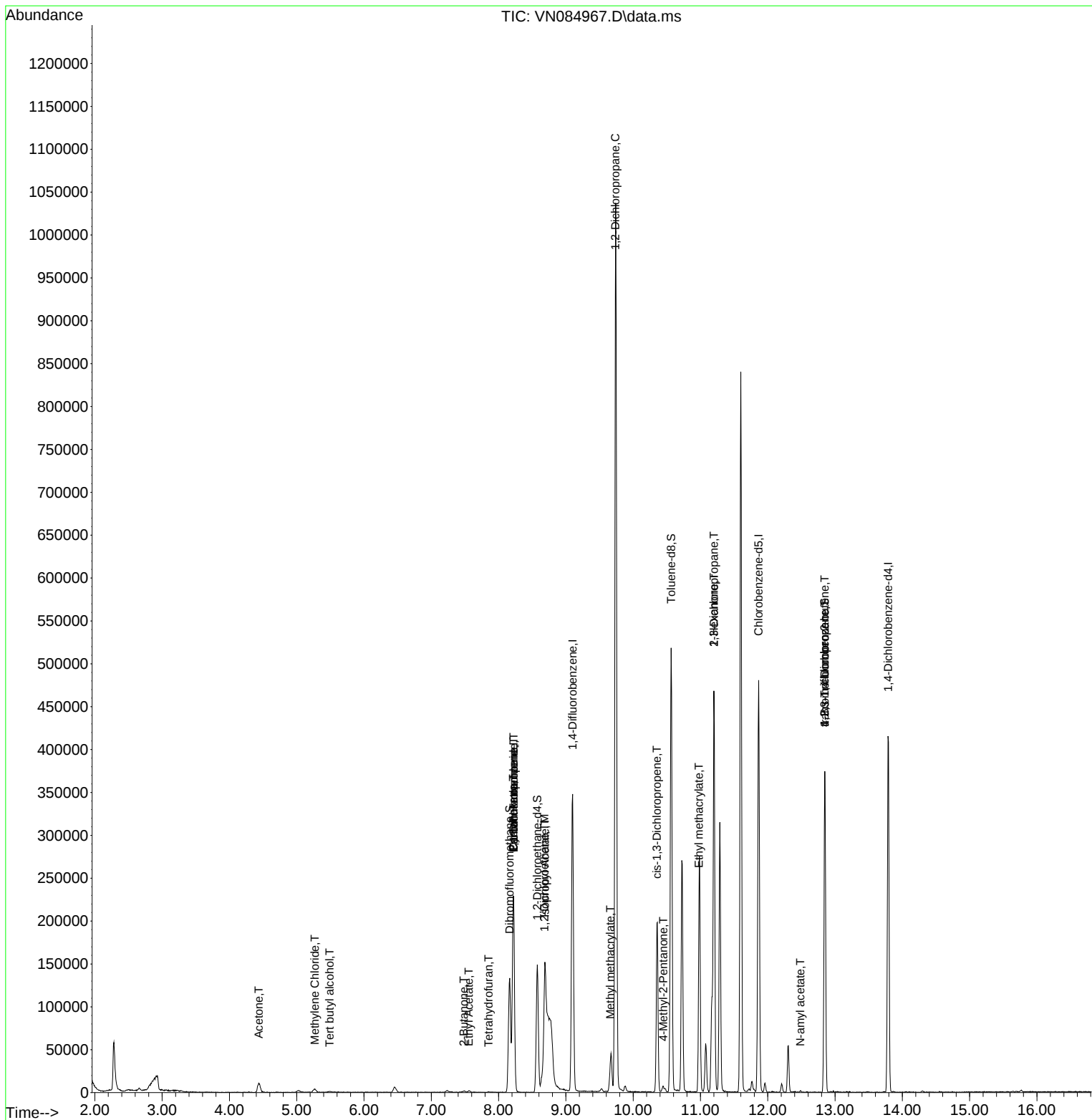
Quant Time: Nov 21 00:38:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122130	51.224	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.440%			
35) Dibromofluoromethane	8.165	113	96695	47.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.320%			
50) Toluene-d8	10.565	98	354600	47.451	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.900%			
62) 4-Bromofluorobenzene	12.847	95	133518	47.806	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.620%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	540	Below Cal	#	76
6) Chloroethane	3.118	64	155	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	908	2.885	ug/l #	73
16) Acetone	4.436	43	19968	26.442	ug/l #	86
18) Methyl Acetate	5.036	43	3942	Below Cal	#	83
20) Methylene Chloride	5.271	84	2825	1.347	ug/l #	63
25) 2-Butanone	7.483	43	2579	2.319	ug/l #	87
29) Tetrahydrofuran	7.853	42	535	0.725	ug/l #	61
31) Cyclohexane	8.218	56	3614	1.098	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14162	5.034	ug/l #	50
37) Ethyl Acetate	7.559	43	3002	1.176	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18188	5.784	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1089	0.372	ug/l #	75
43) Isopropyl Acetate	8.688	43	242604	51.472	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	1153	0.544	ug/l #	44
48) Methyl methacrylate	9.659	41	3024	1.522	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	4172	1.714	ug/l	100
54) cis-1,3-Dichloropropene	10.353	75	36809	10.657	ug/l #	62
56) Ethyl methacrylate	10.976	69	1292	0.449	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4637	1.357	ug/l #	42
59) 2-Hexanone	11.200	43	55450	31.305	ug/l #	56
74) N-amyl acetate	12.482	43	786	0.235	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69240	30.929	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69240	73.375	ug/l #	11
88) 1,4-Dichlorobenzene	13.817	146	704	Below Cal	#	24

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

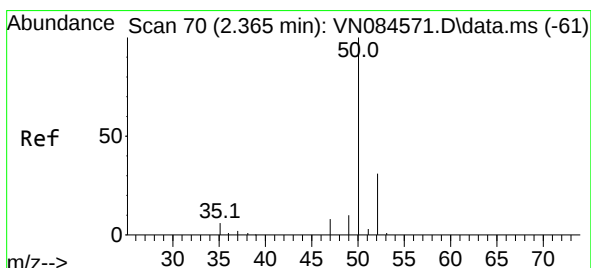
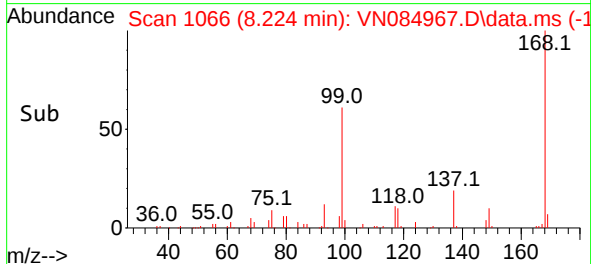
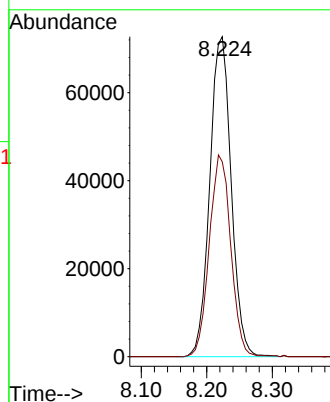
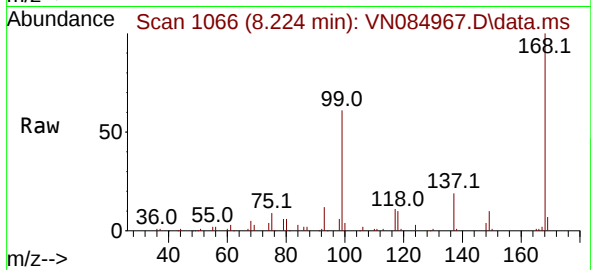




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

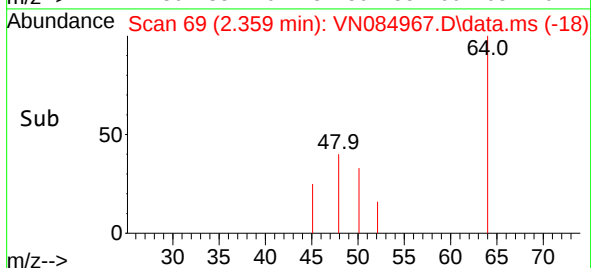
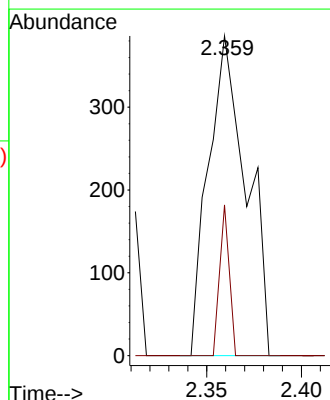
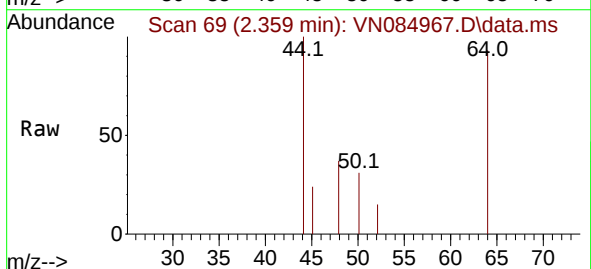
Instrument :
MSVOA_N
ClientSampleId :

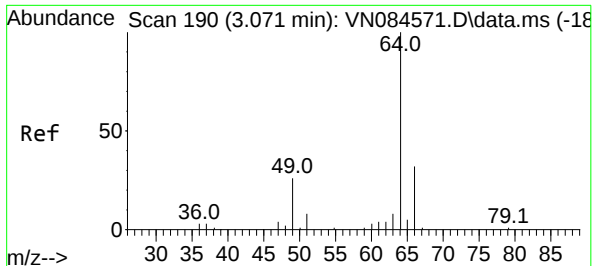
Tgt Ion:168 Resp: 165076
Ion Ratio Lower Upper
168 100
99 60.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 50 Resp: 540
Ion Ratio Lower Upper
50 100
52 47.2 26.8 40.2#

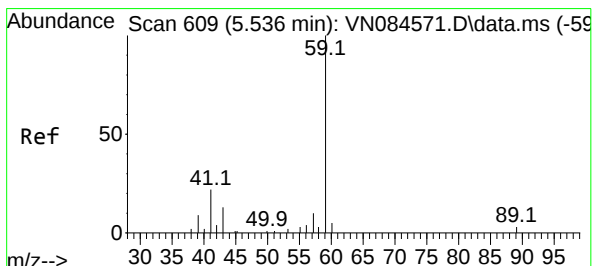
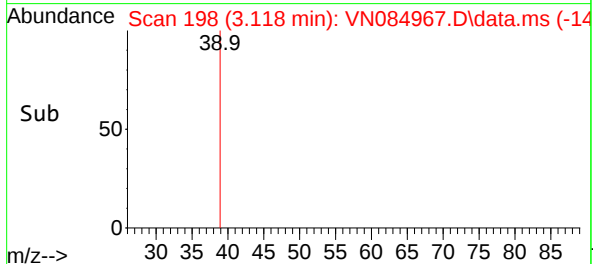
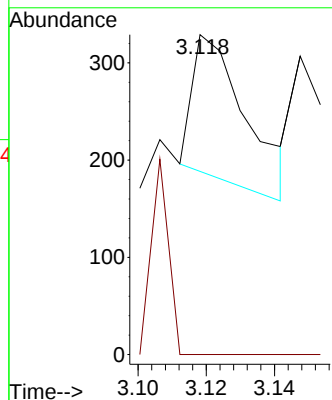
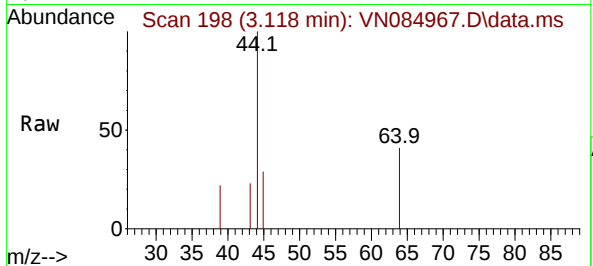




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

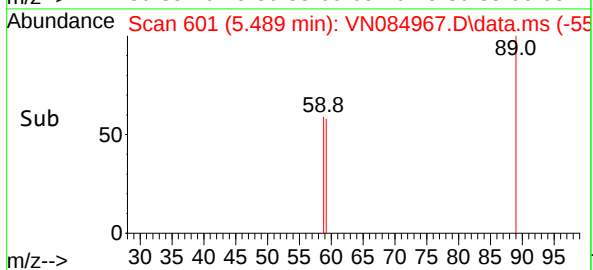
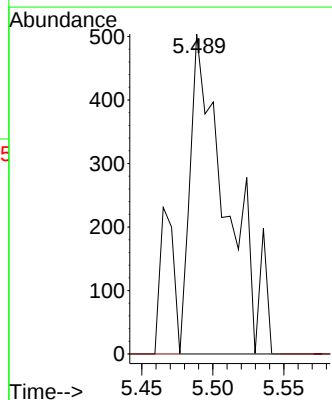
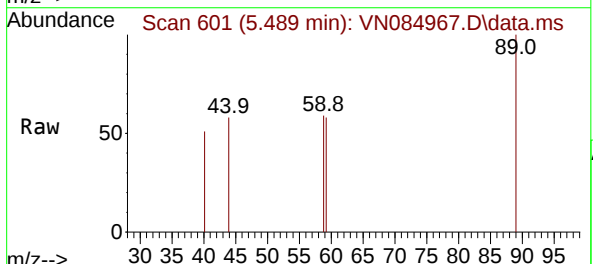
Instrument :
MSVOA_N
ClientSampleId :

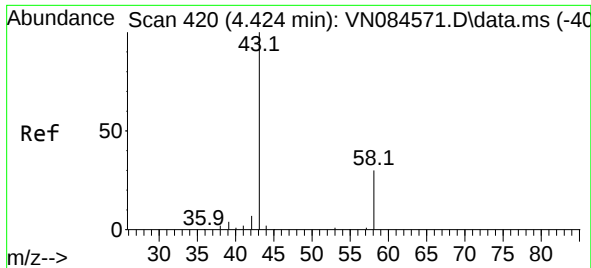
Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.885 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 59 Resp: 908
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

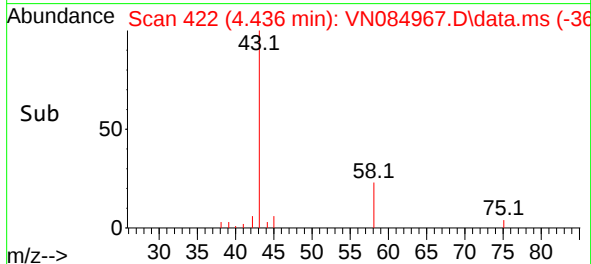
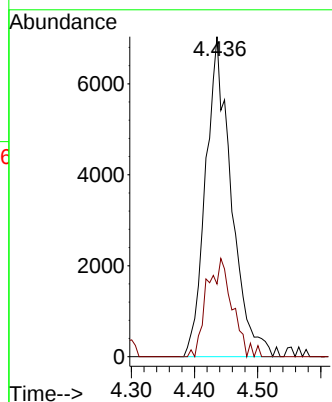
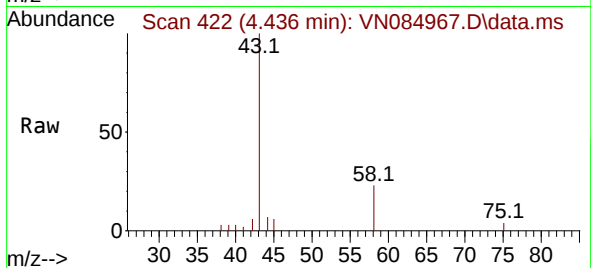




#16
Acetone
Concen: 26.442 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

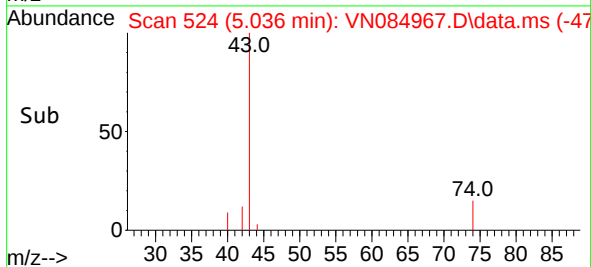
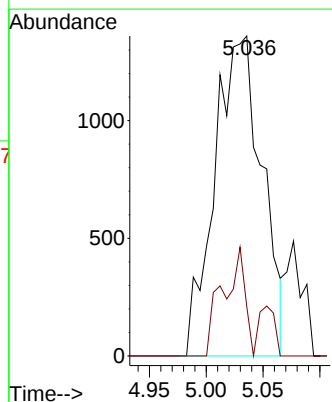
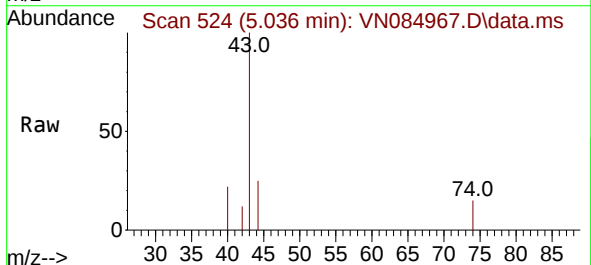
Instrument :
MSVOA_N
ClientSampleId :

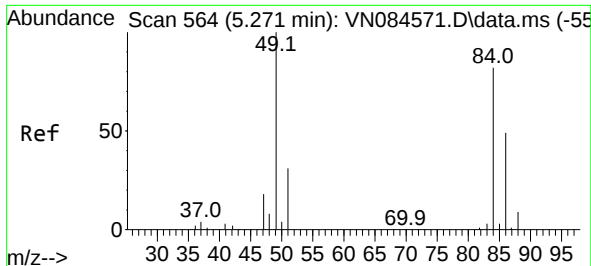
Tgt Ion: 43 Resp: 19968
Ion Ratio Lower Upper
43 100
58 22.7 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

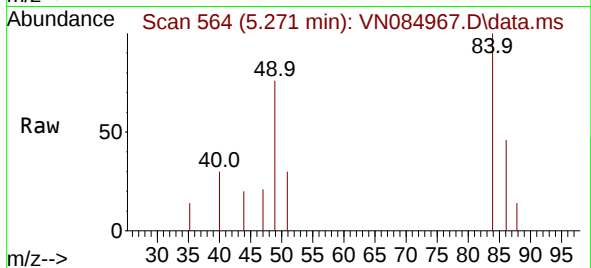
Tgt Ion: 43 Resp: 3942
Ion Ratio Lower Upper
43 100
74 15.8 19.2 28.8#



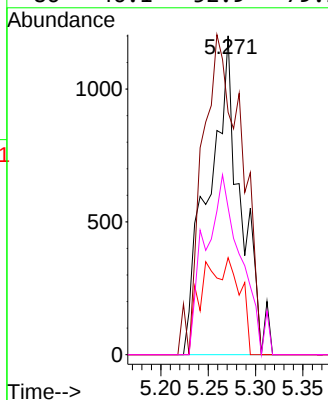
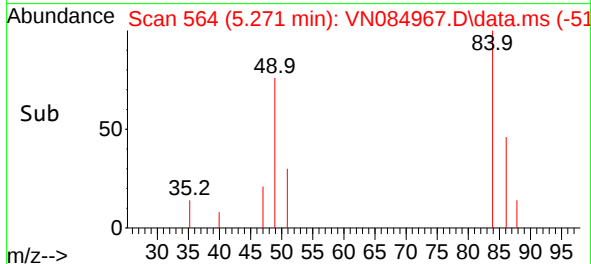


#20
Methylene Chloride
Concen: 1.347 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

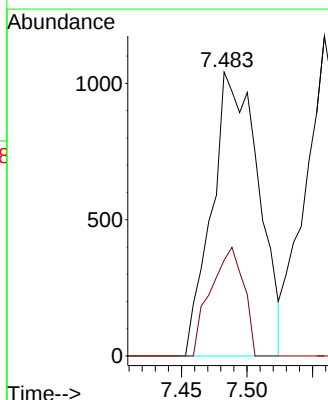
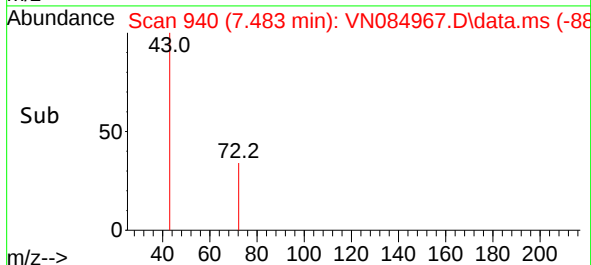
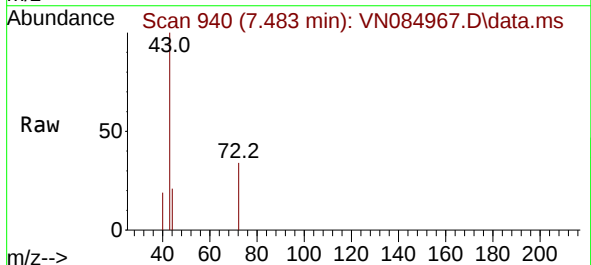


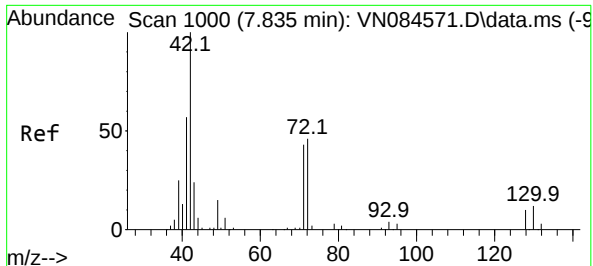
Tgt Ion: 84 Resp: 2825
Ion Ratio Lower Upper
84 100
49 76.0 107.2 160.8#
51 30.4 31.8 47.8#
86 46.1 52.9 79.3#



#25
2-Butanone
Concen: 2.319 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 43 Resp: 2579
Ion Ratio Lower Upper
43 100
72 33.7 21.4 32.2#





#29

Tetrahydrofuran

Concen: 0.725 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

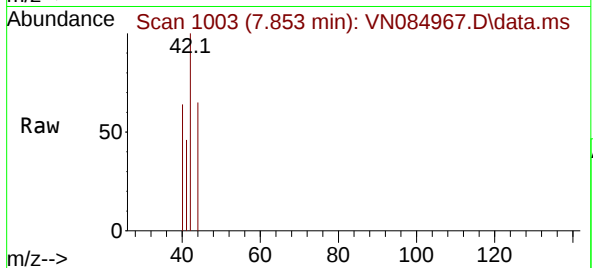
Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

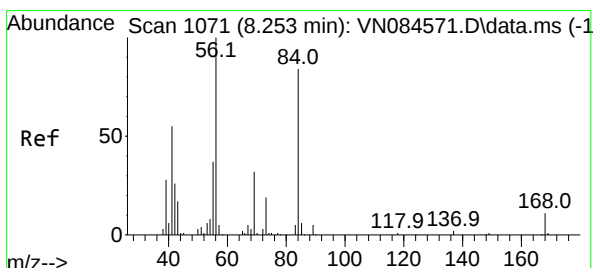
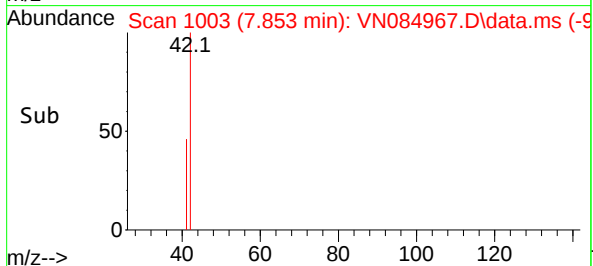
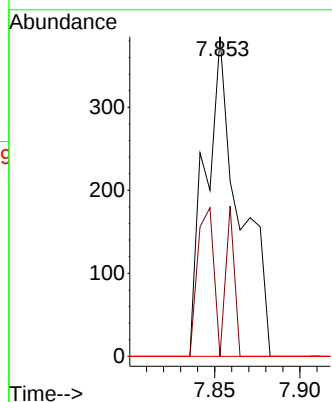
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	535
Ion	Ratio	Lower	Upper
42	100		
72	34.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.098 ug/l

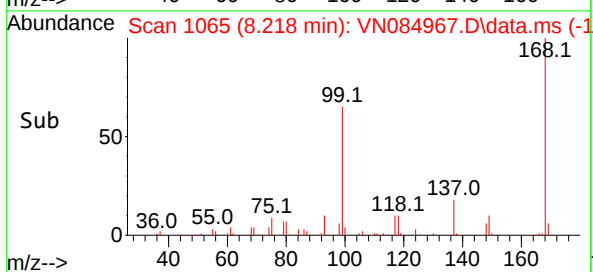
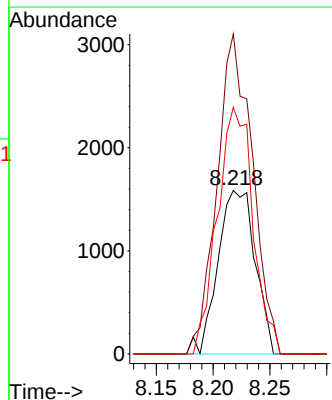
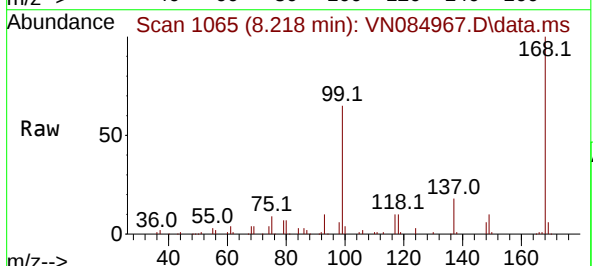
RT: 8.218 min Scan# 1065

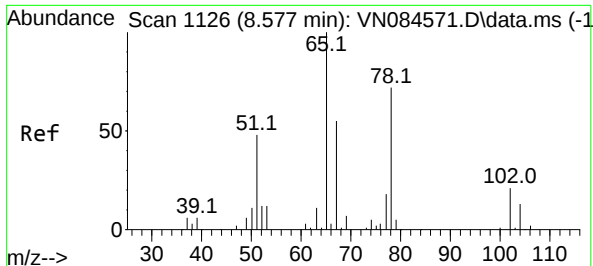
Delta R.T. -0.035 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

Tgt Ion:	56	Resp:	3614
Ion	Ratio	Lower	Upper
56	100		
69	195.6	23.8	35.6#
84	150.7	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.224 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

Instrument :

MSVOA_N

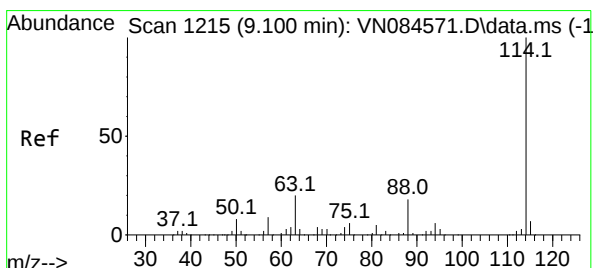
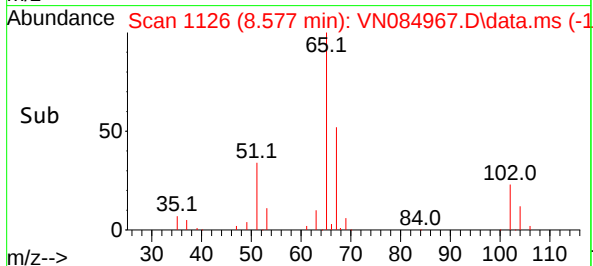
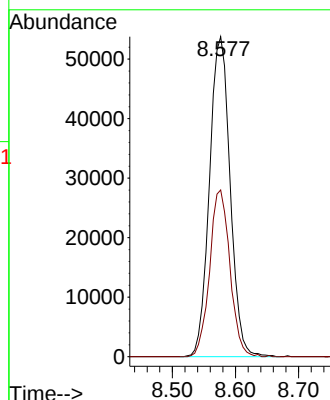
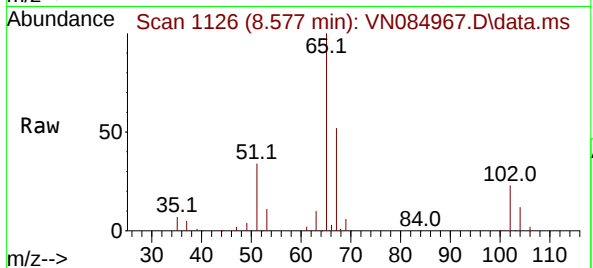
ClientSampleId :

Tgt Ion: 65 Resp: 122130

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

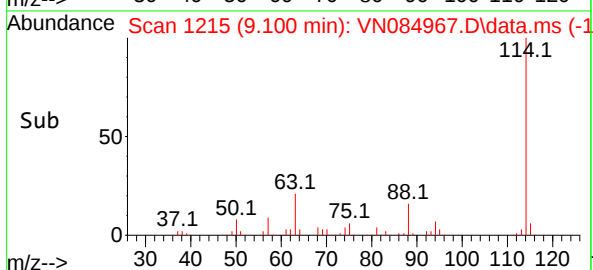
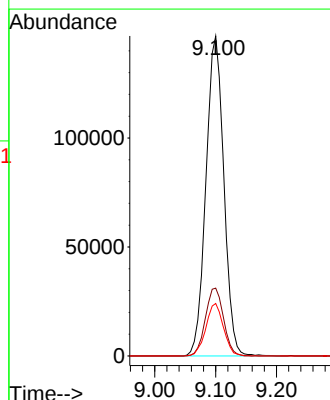
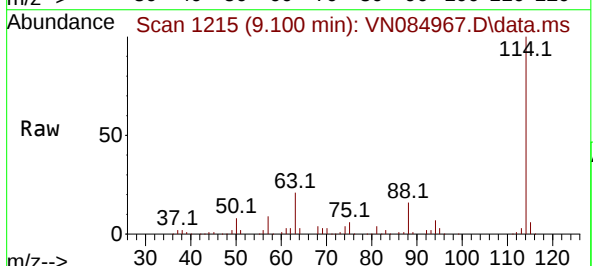
Tgt Ion: 114 Resp: 299710

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

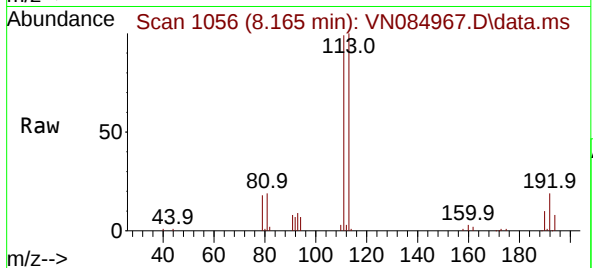
88 16.4 0.0 31.6



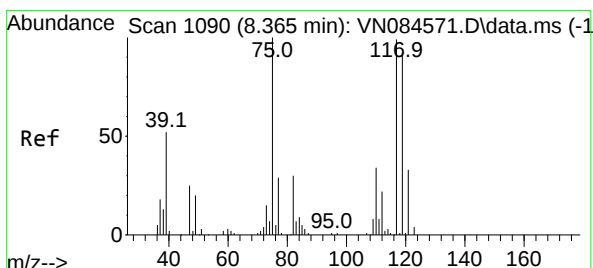
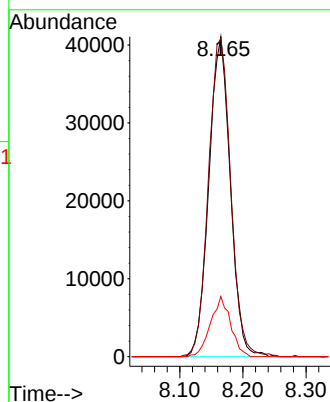
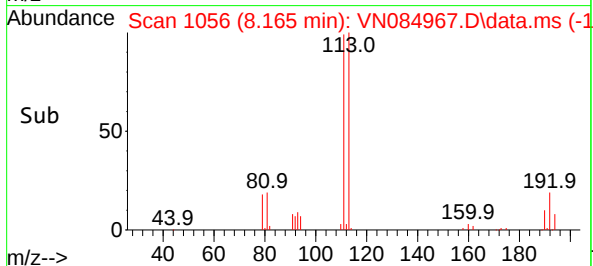


#35
Dibromofluoromethane
Concen: 47.664 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

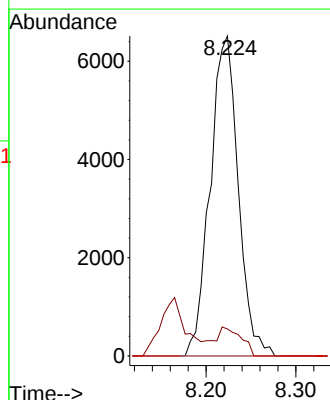
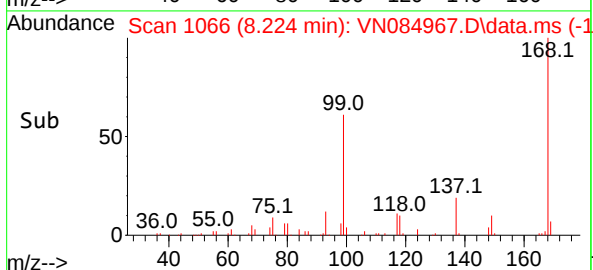
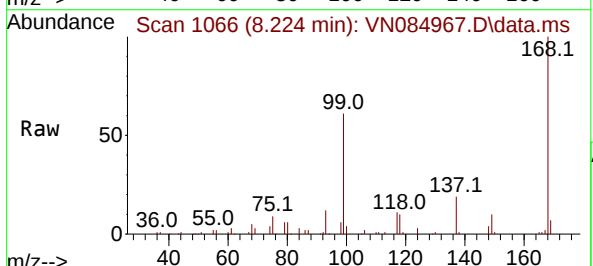


Tgt Ion:113 Resp: 96695
Ion Ratio Lower Upper
113 100
111 103.4 83.3 124.9
192 17.6 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.034 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 75 Resp: 14162
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.176 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

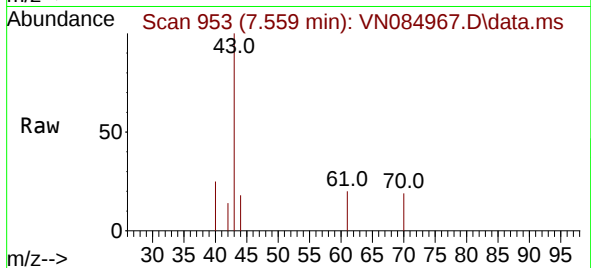
Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

Instrument :

MSVOA_N

ClientSampleId :



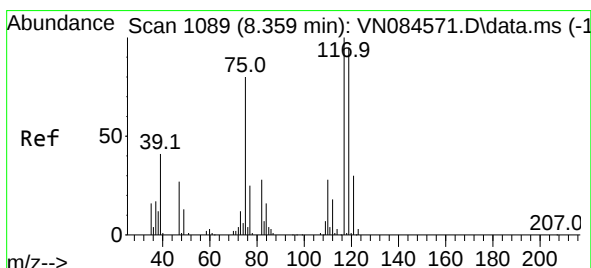
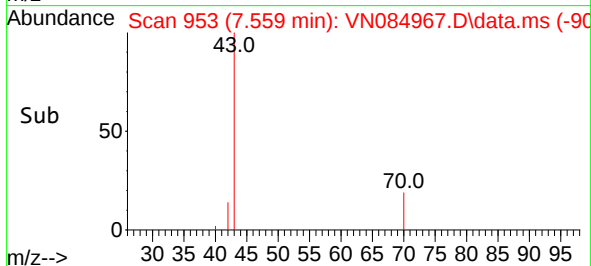
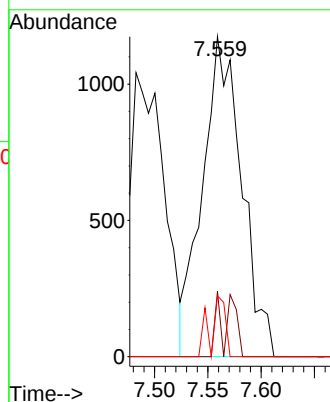
Tgt Ion: 43 Resp: 3002

Ion Ratio Lower Upper

43 100

61 2.8 10.7 16.1#

70 7.1 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.784 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

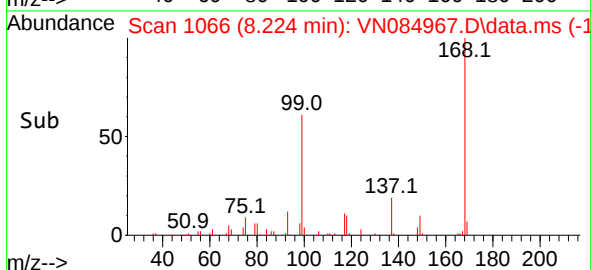
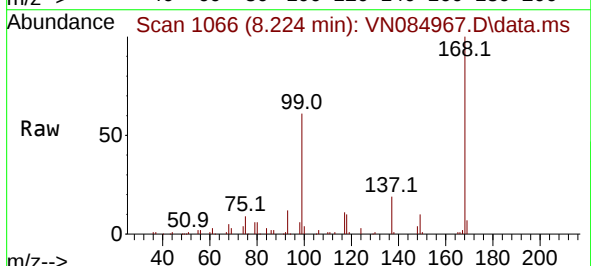
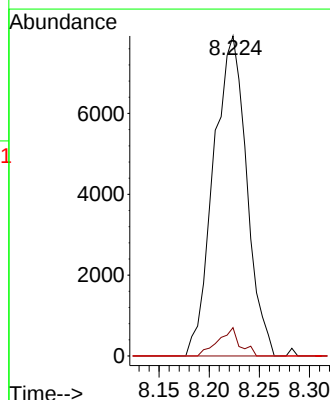
Tgt Ion: 117 Resp: 18188

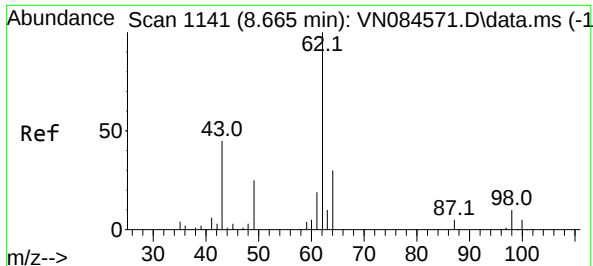
Ion Ratio Lower Upper

117 100

119 8.8 78.7 118.1#

121 0.0 24.4 36.6#

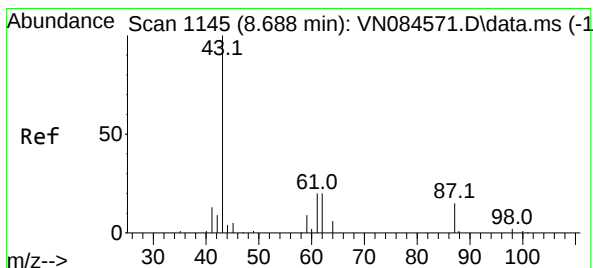
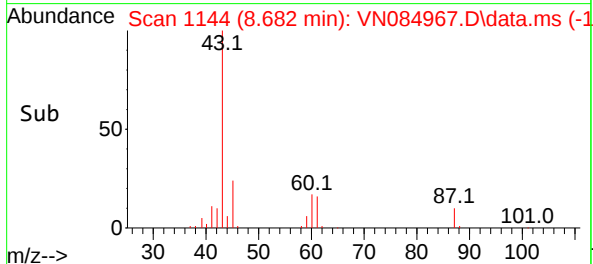
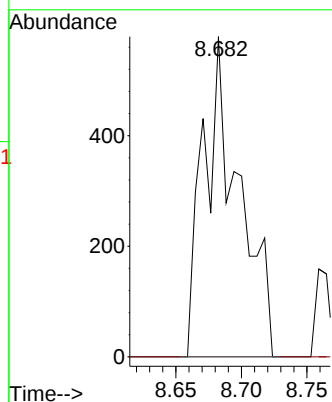
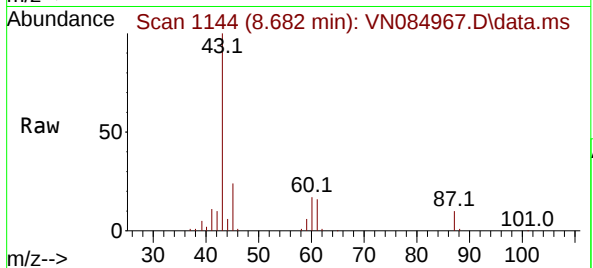




#42
1,2-Dichloroethane
Concen: 0.372 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

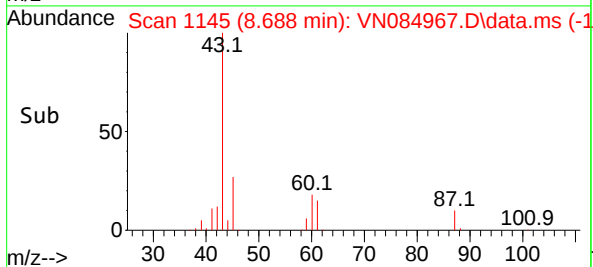
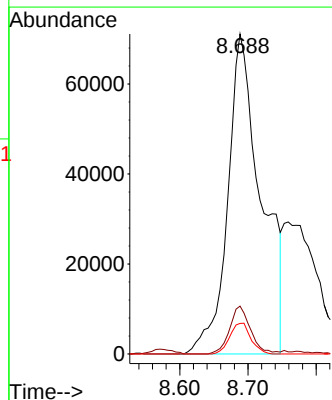
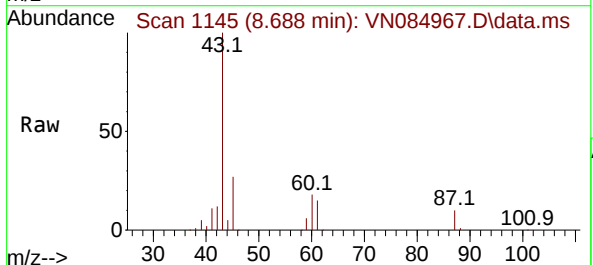
Instrument :
MSVOA_N
ClientSampleId :

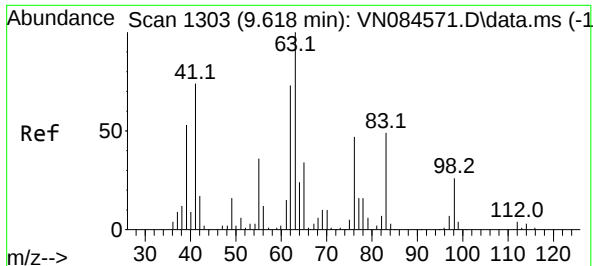
Tgt Ion: 62 Resp: 1089
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 51.472 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 43 Resp: 242604
Ion Ratio Lower Upper
43 100
61 9.4 20.4 30.6#
87 6.1 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.544 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

Instrument :

MSVOA_N

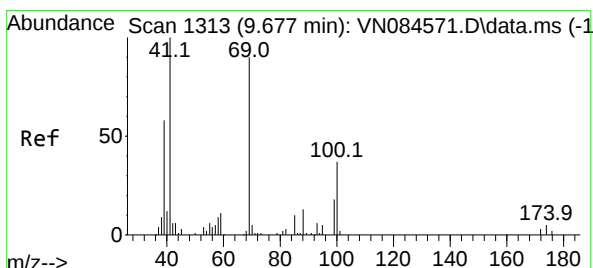
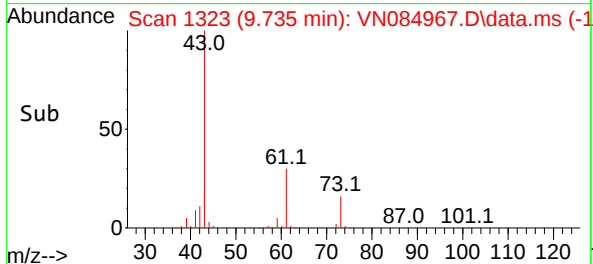
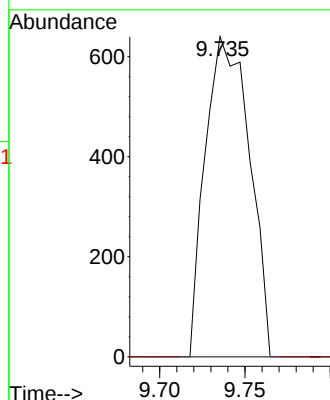
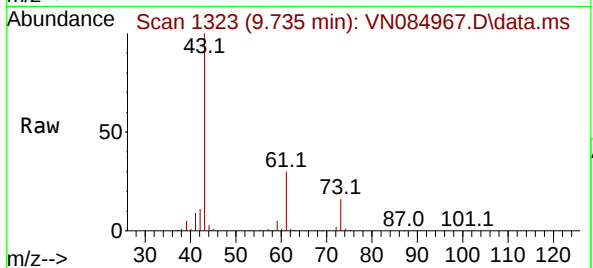
ClientSampleId :

Tgt Ion: 63 Resp: 1153

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.522 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

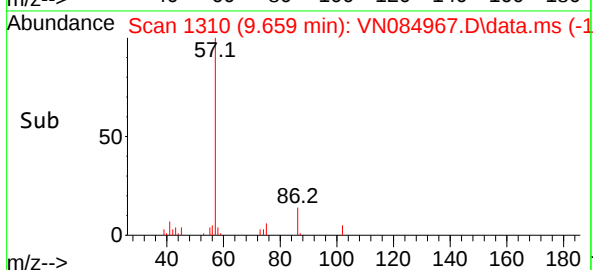
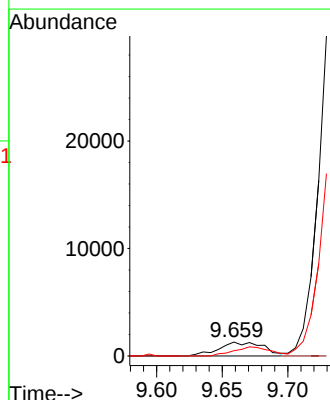
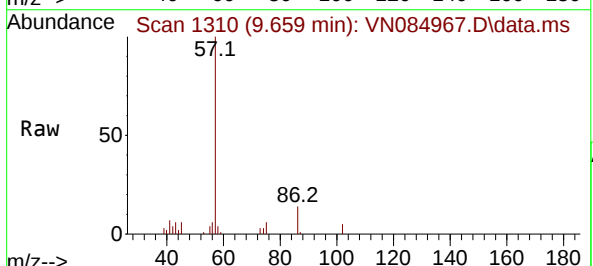
Tgt Ion: 41 Resp: 3024

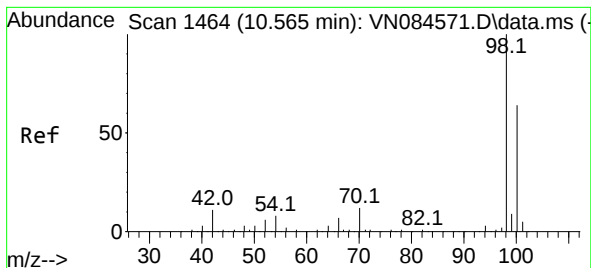
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.1 45.8 68.6

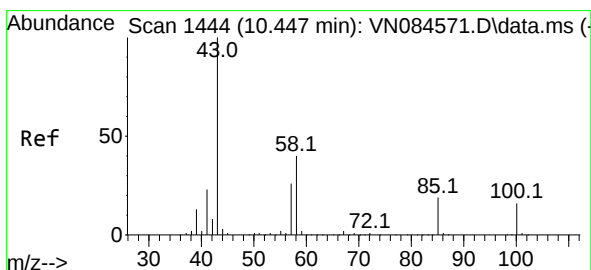
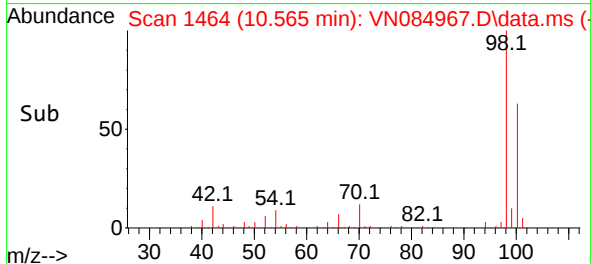
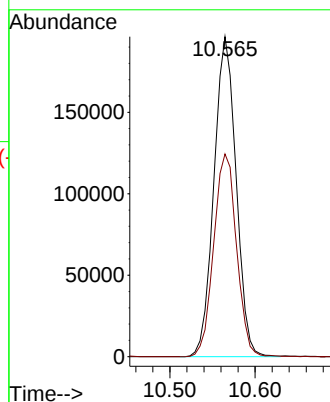
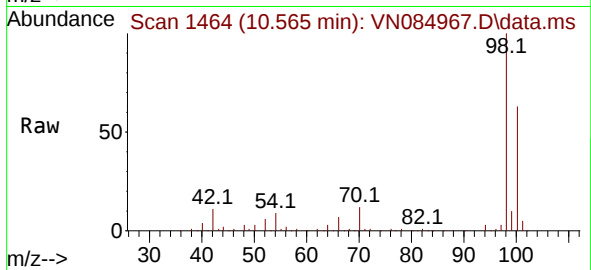




#50
Toluene-d8
Concen: 47.451 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

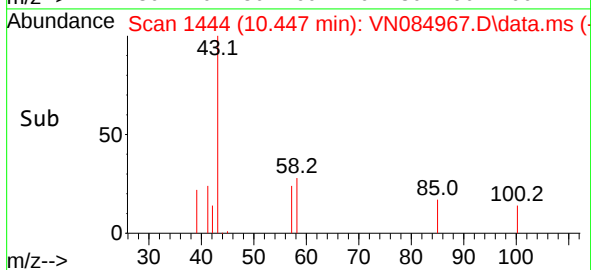
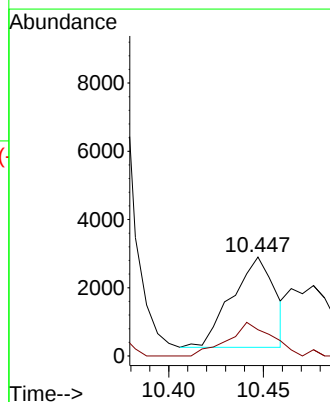
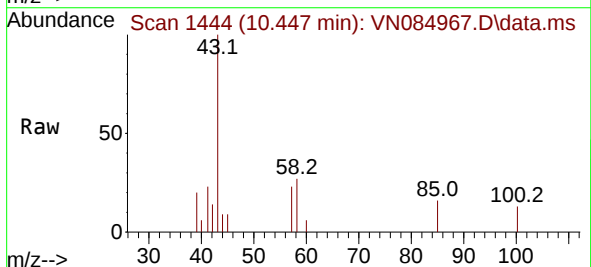
Instrument :
MSVOA_N
ClientSampleId :

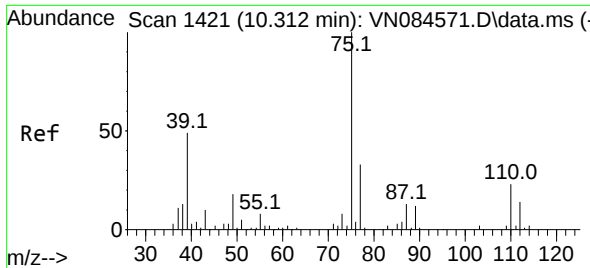
Tgt Ion: 98 Resp: 354600
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.714 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 43 Resp: 4172
Ion Ratio Lower Upper
43 100
58 39.4 31.6 47.4

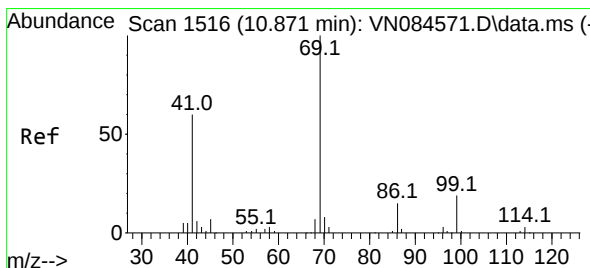
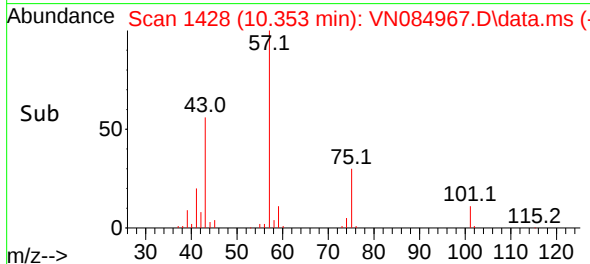
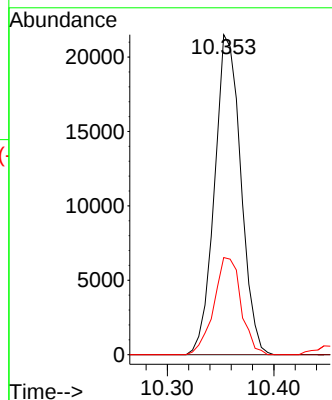
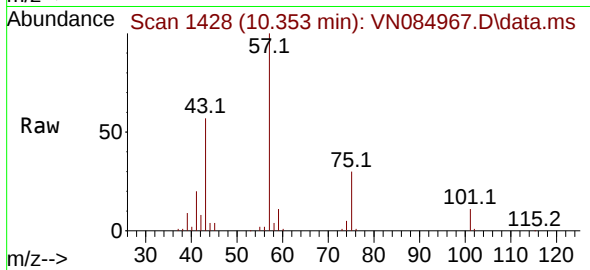




#54
 cis-1,3-Dichloropropene
 Concen: 10.657 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084967.D
 Acq: 20 Nov 2024 14:33

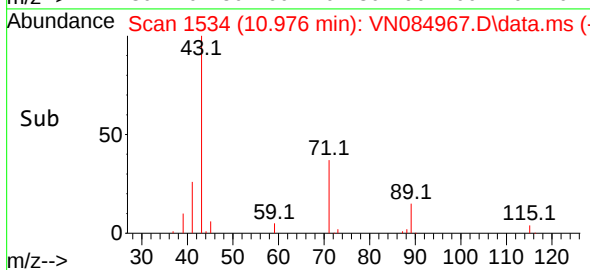
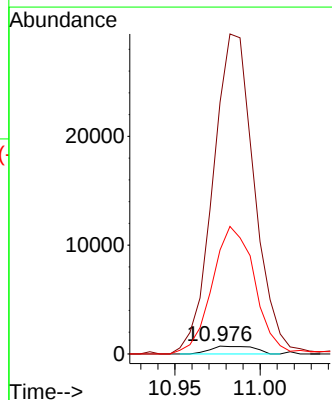
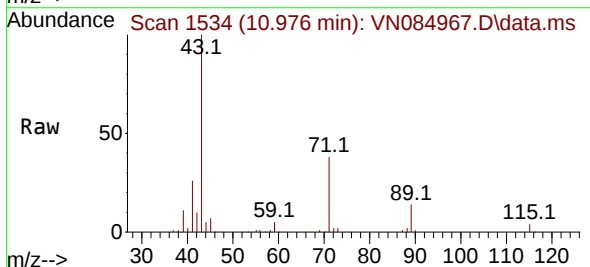
Instrument :
 MSVOA_N
 ClientSampleId :

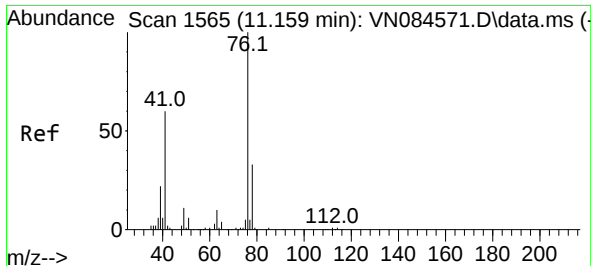
Tgt Ion: 75 Resp: 36809
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.4 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.449 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN084967.D
 Acq: 20 Nov 2024 14:33

Tgt Ion: 69 Resp: 1292
 Ion Ratio Lower Upper
 69 100
 41 3852.8 53.3 79.9#
 39 1595.1 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.357 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

Instrument :

MSVOA_N

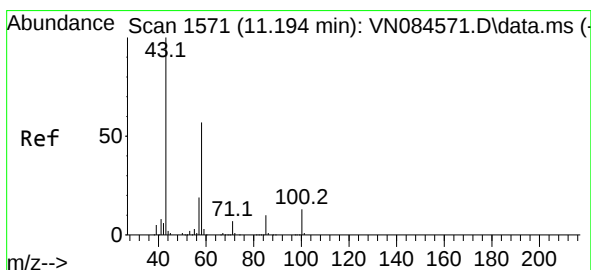
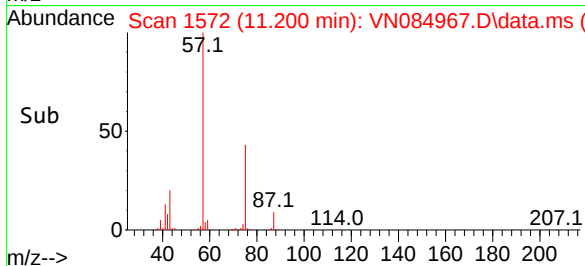
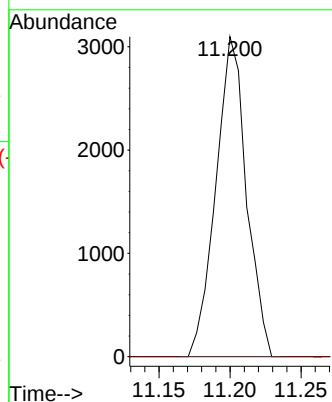
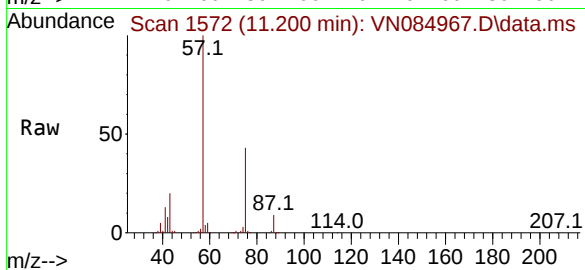
ClientSampleId :

Tgt Ion: 76 Resp: 4637

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 31.305 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084967.D

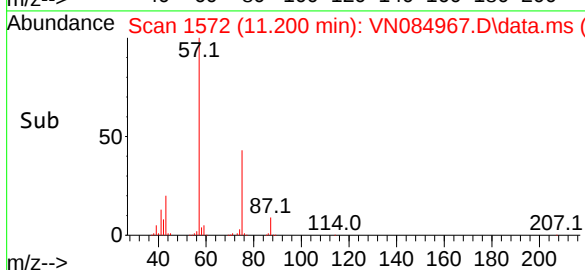
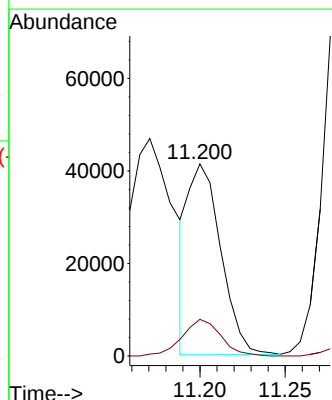
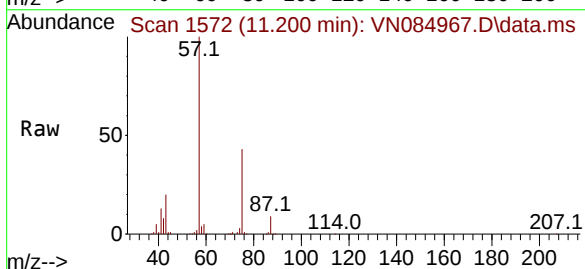
Acq: 20 Nov 2024 14:33

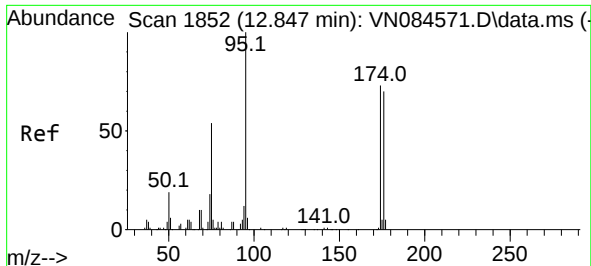
Tgt Ion: 43 Resp: 55450

Ion Ratio Lower Upper

43 100

58 22.6 27.3 81.8#

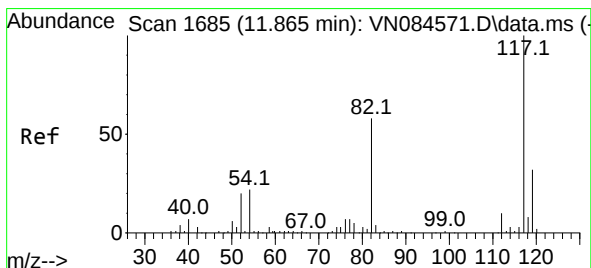
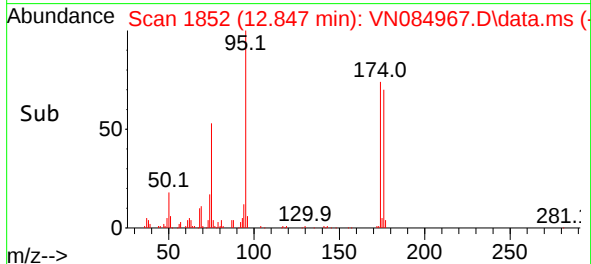
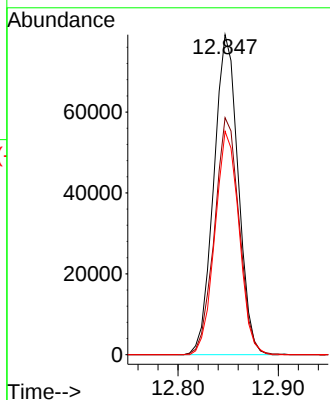
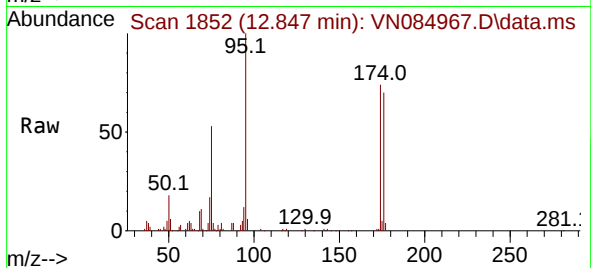




#62
4-Bromofluorobenzene
Concen: 47.806 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

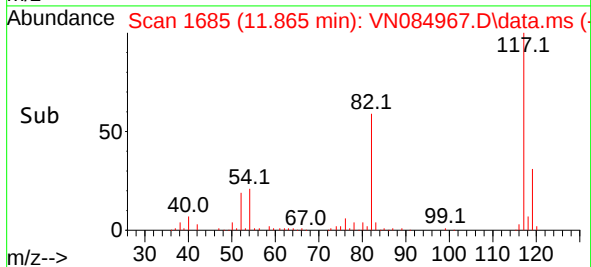
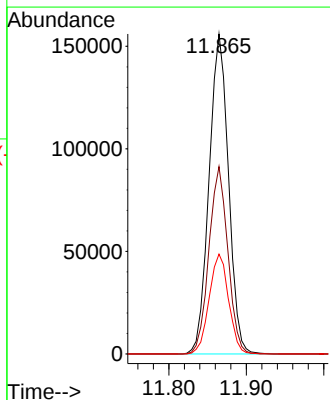
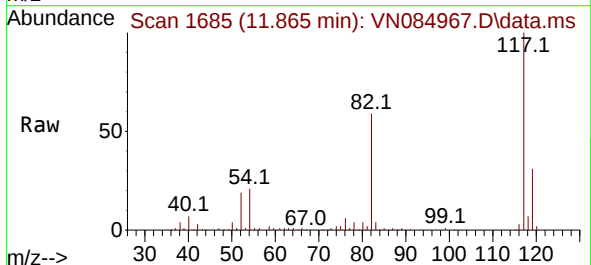
Instrument :
MSVOA_N
ClientSampleId :

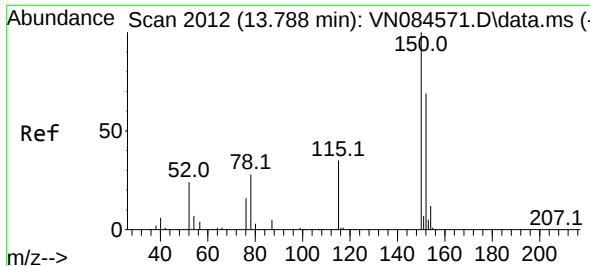
Tgt Ion: 95 Resp: 133518
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.2
176 69.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

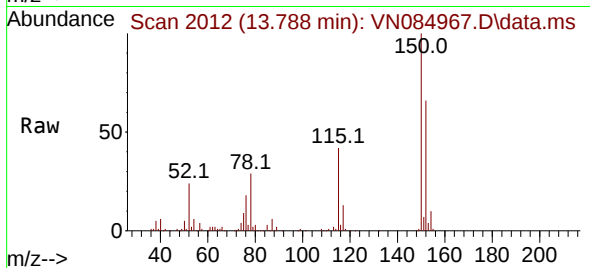
Tgt Ion: 117 Resp: 271233
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 31.2 25.4 38.0



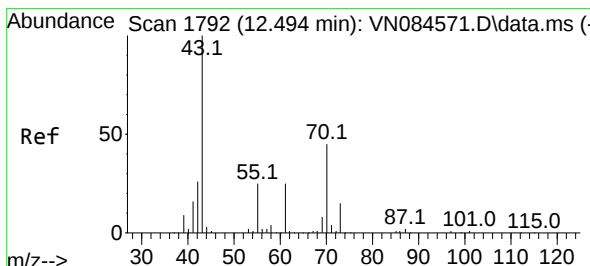
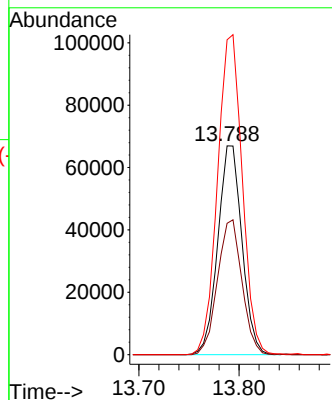
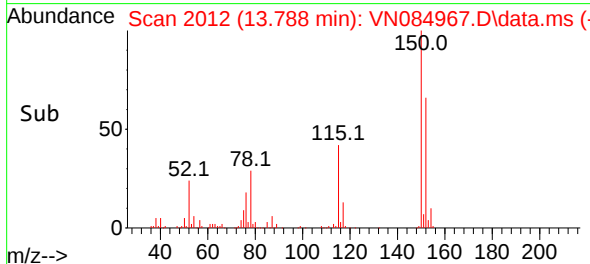


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Instrument :
MSVOA_N
ClientSampleId :

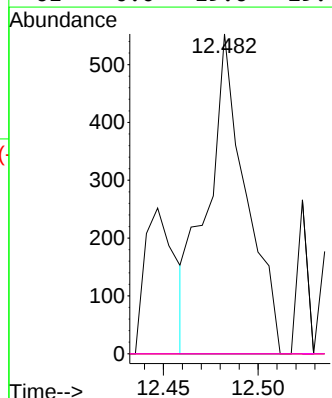
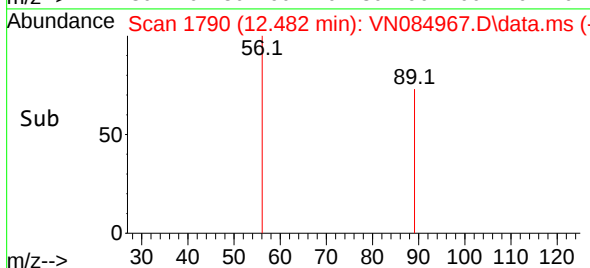
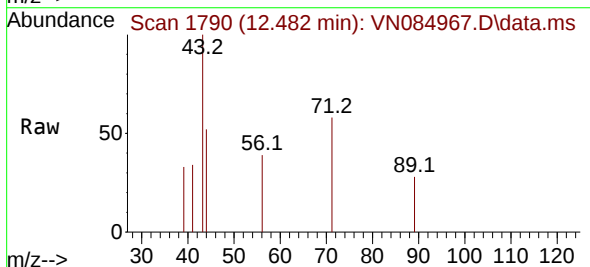


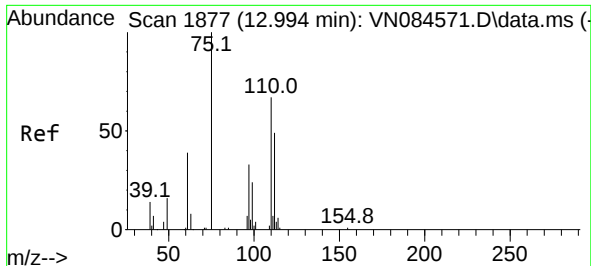
Tgt Ion:152 Resp: 111994
Ion Ratio Lower Upper
152 100
115 65.2 31.3 93.9
150 157.0 0.0 349.8



#74
N-ethyl acetate
Concen: 0.235 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 43 Resp: 786
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#

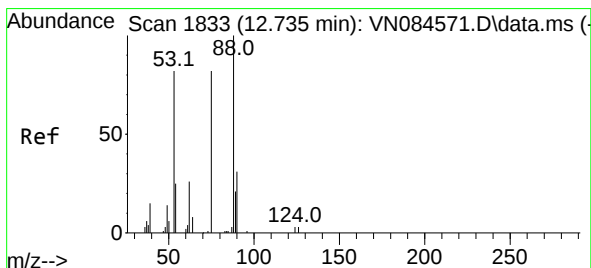
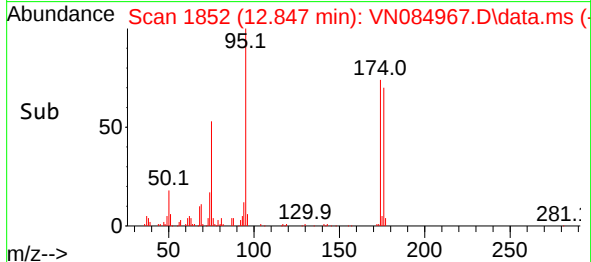
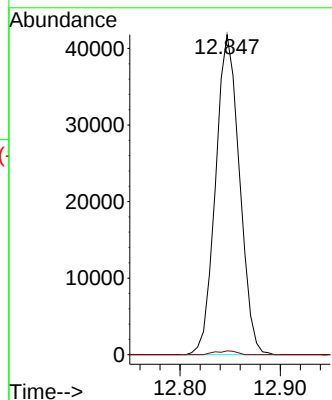
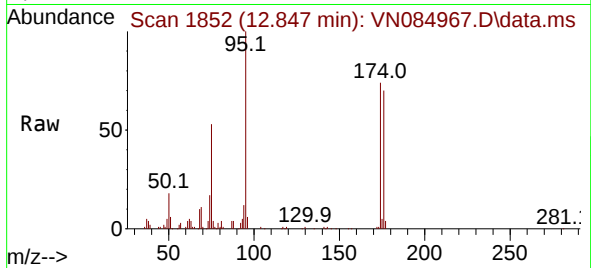




#76
1,2,3-Trichloropropane
Concen: 30.929 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

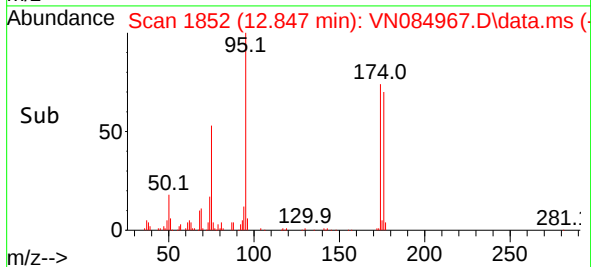
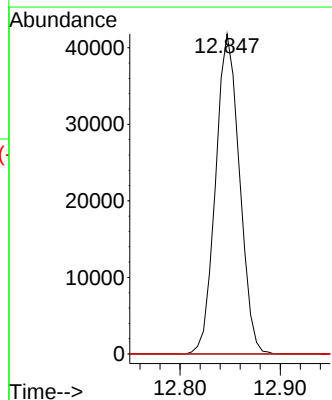
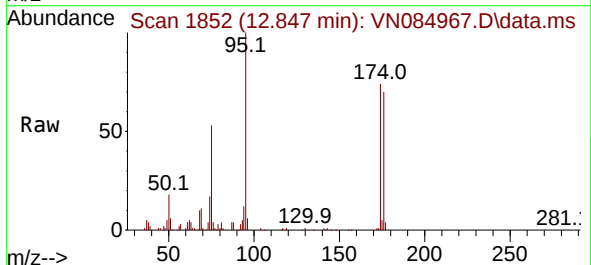
Instrument :
MSVOA_N
ClientSampleId :

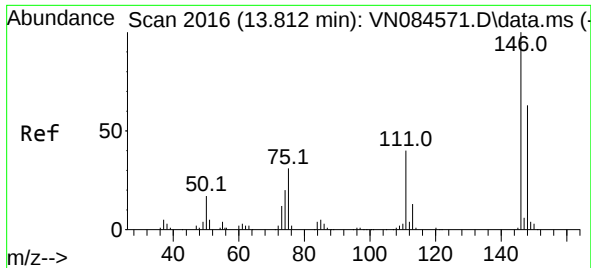
Tgt Ion: 75 Resp: 69240
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.375 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084967.D
Acq: 20 Nov 2024 14:33

Tgt Ion: 75 Resp: 69240
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: 13.817 min Scan# 20

Delta R.T. 0.005 min

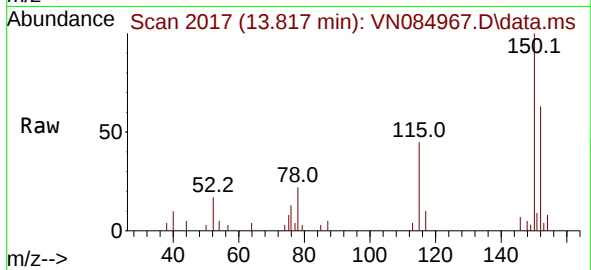
Lab File: VN084967.D

Acq: 20 Nov 2024 14:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 704

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

