

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084755.D
 Acq On : 08 Nov 2024 17:20
 Operator : JC\MD
 Sample : P4738-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 22:34:26 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)

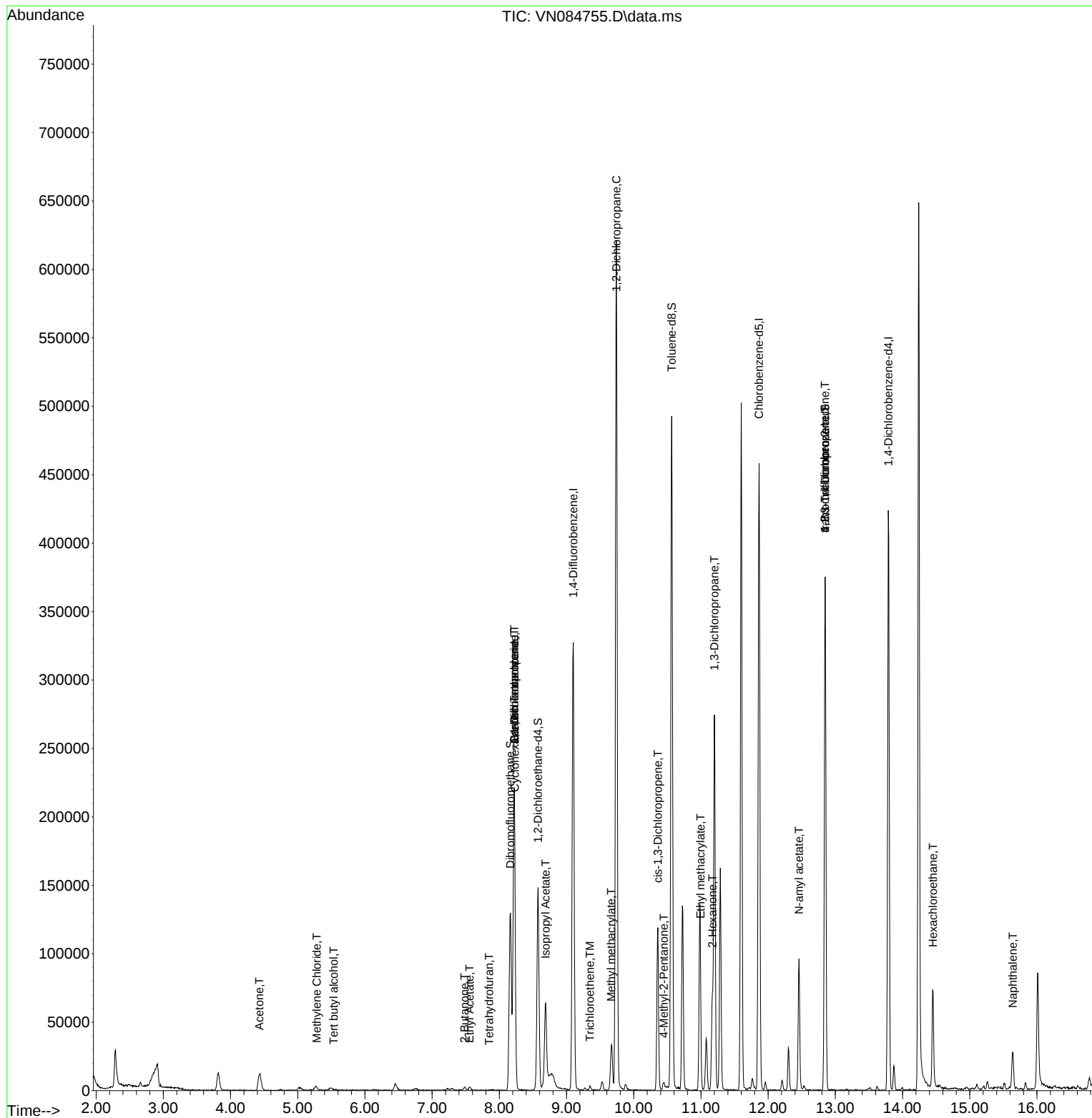
Internal Standards						
1) Pentafluorobenzene	8.224	168	161638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117872	50.489	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	8.165	113	95364	49.268	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	10.565	98	342580	48.046	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.100%			
62) 4-Bromofluorobenzene	12.847	95	130921	49.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.260%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	401	Below Cal	#	41
6) Chloroethane	3.095	64	176	Below Cal	#	45
11) Tert butyl alcohol	5.536	59	128	0.415	ug/l #	73
16) Acetone	4.430	43	23138	31.821	ug/l	98
18) Methyl Acetate	5.030	43	4641	Below Cal	#	78
20) Methylene Chloride	5.283	84	2299	1.120	ug/l #	55
25) 2-Butanone	7.483	43	3595	3.301	ug/l #	80
29) Tetrahydrofuran	7.847	42	280	0.388	ug/l #	34
31) Cyclohexane	8.230	56	3760	1.167	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	13091	4.877	ug/l #	49
37) Ethyl Acetate	7.559	43	3865	1.587	ug/l #	83
38) Carbon Tetrachloride	8.224	117	17595	5.864	ug/l #	14
43) Isopropyl Acetate	8.688	43	79478	17.027	ug/l #	87
44) Trichloroethene	9.347	130	1098	0.552	ug/l	95
45) 1,2-Dichloropropane	9.741	63	716	0.354	ug/l #	44
48) Methyl methacrylate	9.665	41	2144	1.131	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	7199	3.101	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	21347	6.478	ug/l #	66
56) Ethyl methacrylate	10.994	69	881	0.321	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3007	0.923	ug/l #	42
59) 2-Hexanone	11.171	43	56828	33.625	ug/l #	24
74) N-amyl acetate	12.459	43	55734	16.443	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	67491	29.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67491	70.486	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	139	Below Cal	#	1
90) Hexachloroethane	14.453	117	536	0.380	ug/l #	15
95) Naphthalene	15.641	128	27058	4.114	ug/l	99

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

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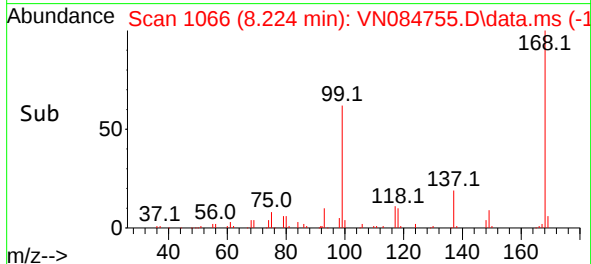
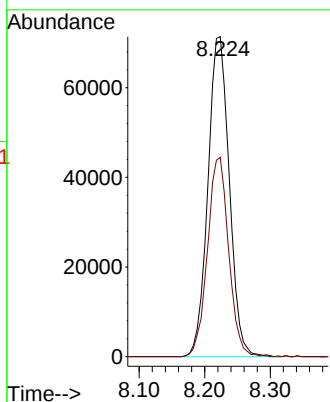
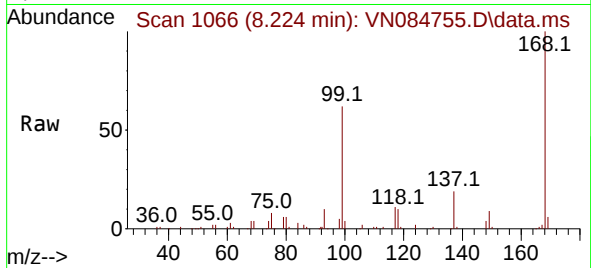




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

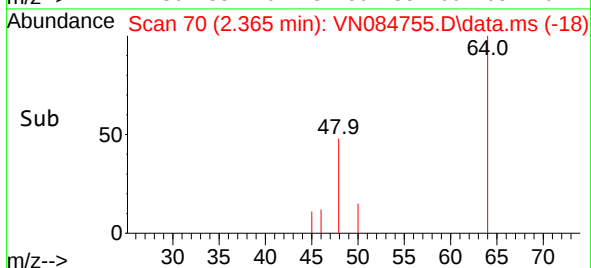
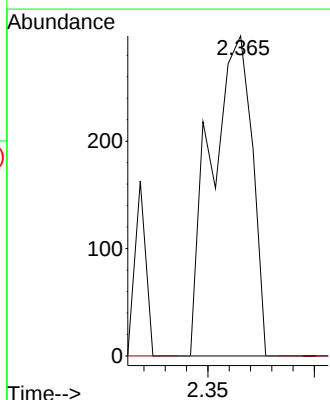
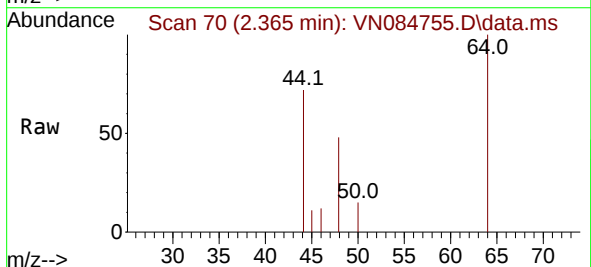
Instrument :
MSVOA_N
ClientSampleId :

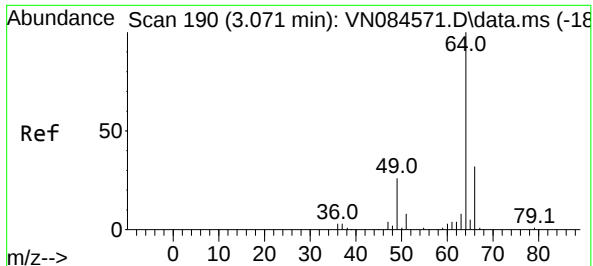
Tgt Ion:168 Resp: 161638
Ion Ratio Lower Upper
168 100
99 62.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

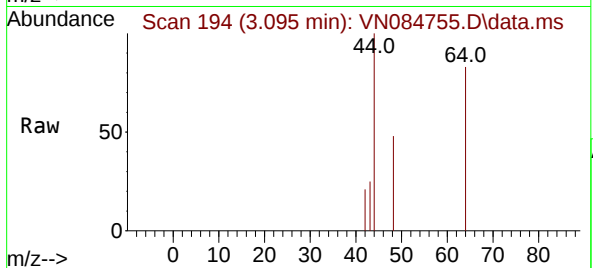
Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



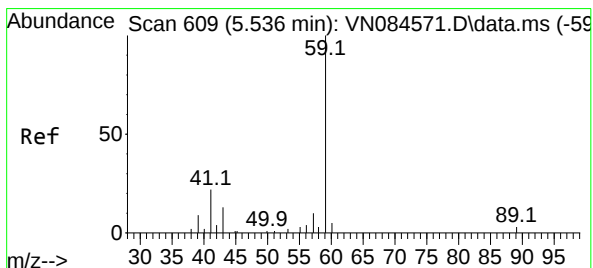
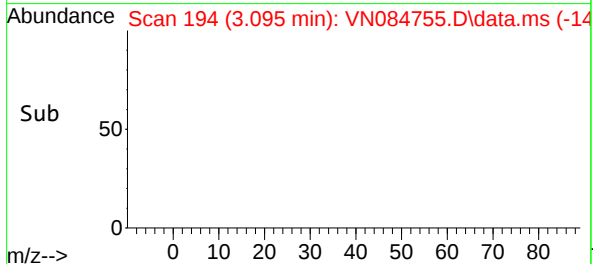
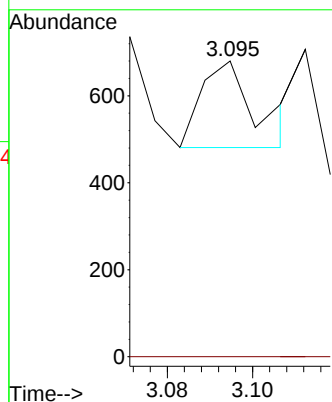


#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :

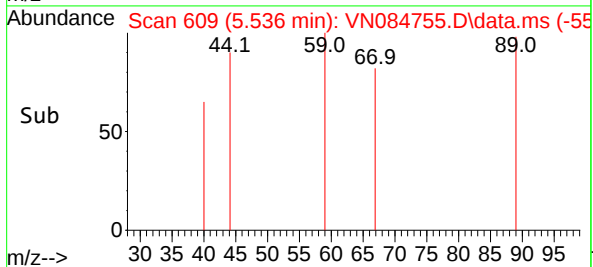
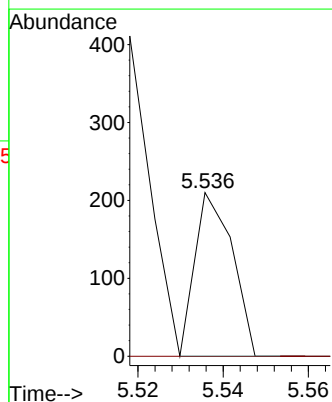
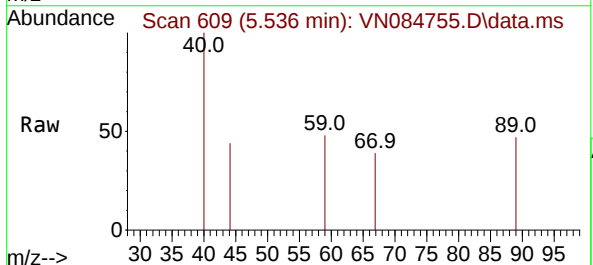


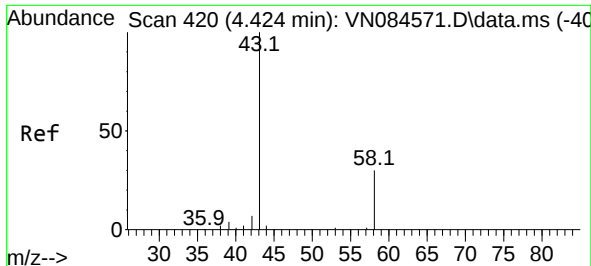
Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.415 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

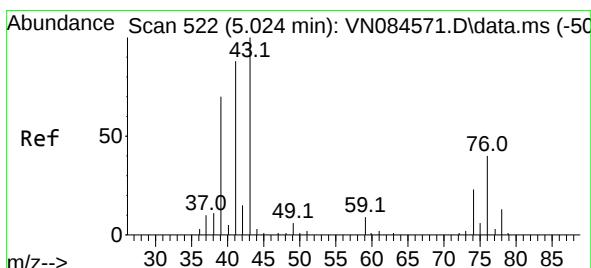
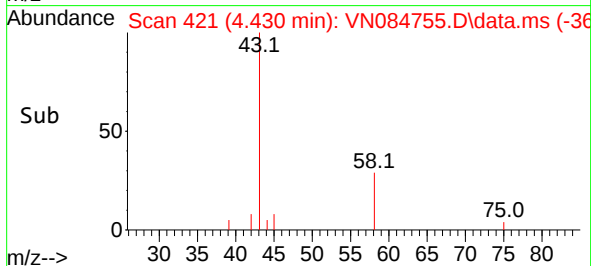
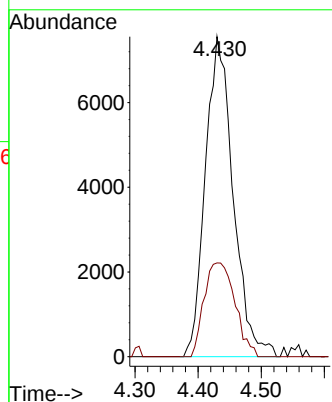
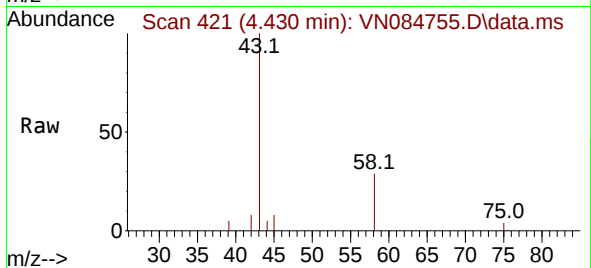




#16
Acetone
Concen: 31.821 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

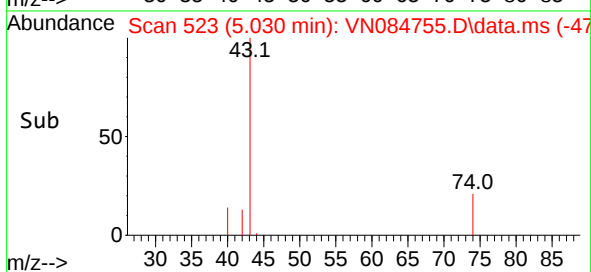
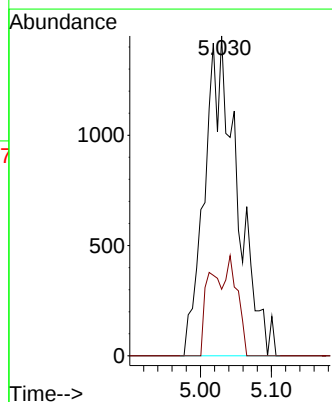
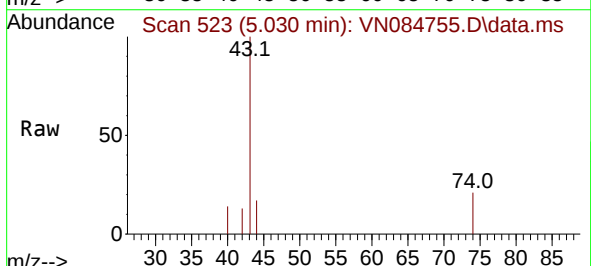
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 23138
Ion Ratio Lower Upper
43 100
58 29.3 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

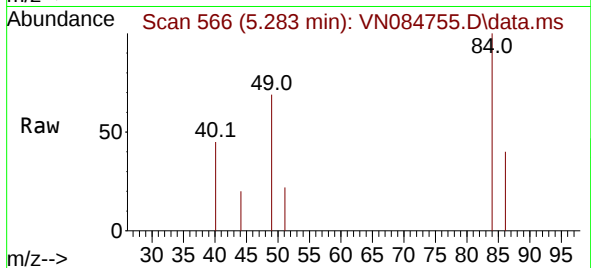
Tgt Ion: 43 Resp: 4641
Ion Ratio Lower Upper
43 100
74 13.0 19.2 28.8#





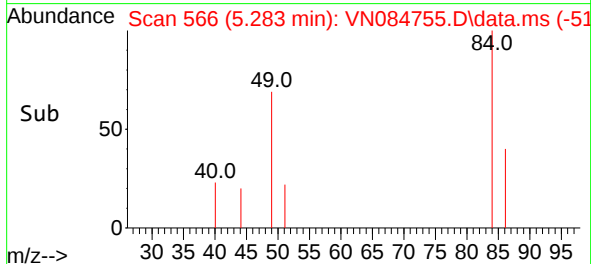
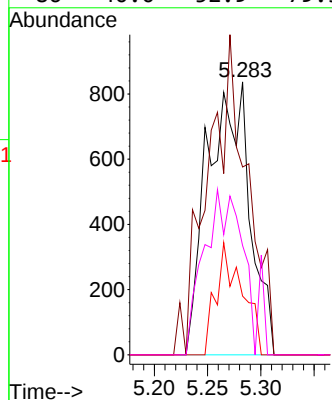
#20
Methylene Chloride
Concen: 1.120 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2299

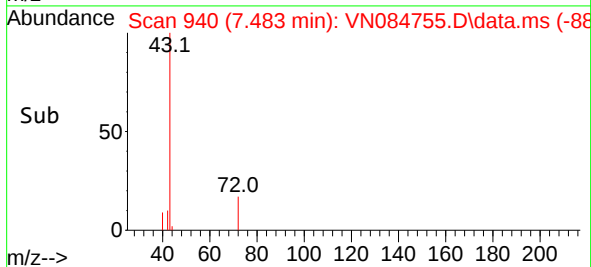
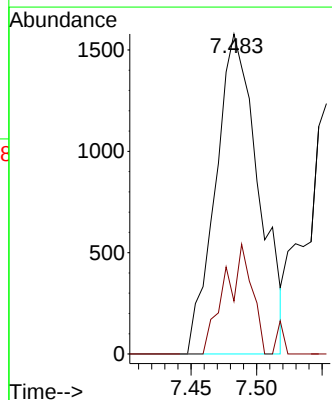
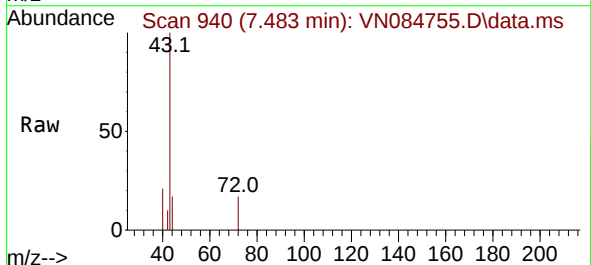
Ion	Ratio	Lower	Upper
84	100		
49	68.8	107.2	160.8#
51	21.5	31.8	47.8#
86	40.0	52.9	79.3#

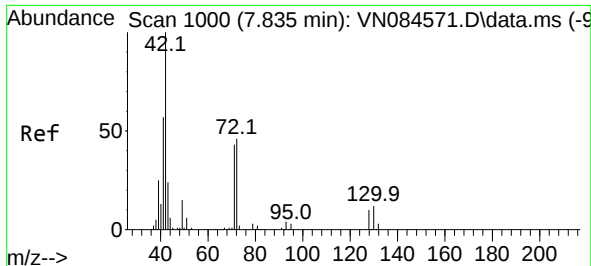


#25
2-Butanone
Concen: 3.301 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Tgt Ion: 43 Resp: 3595

Ion	Ratio	Lower	Upper
43	100		
72	16.5	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.388 ug/l

RT: 7.847 min Scan# 1067

Delta R.T. 0.012 min

Lab File: VN084755.D

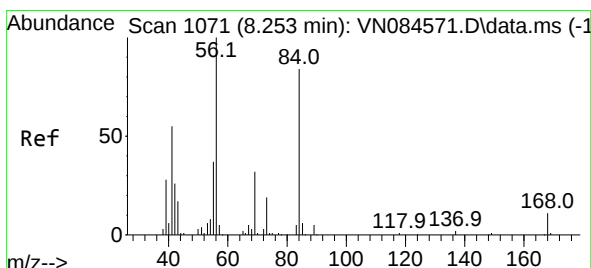
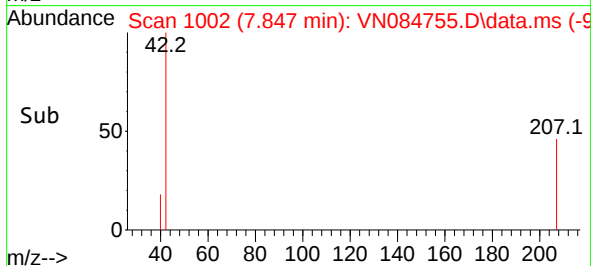
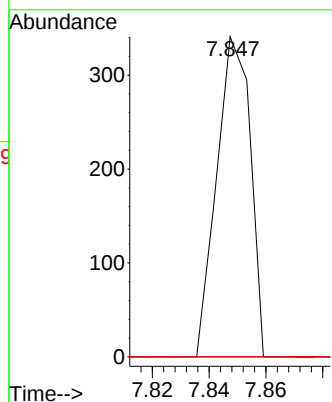
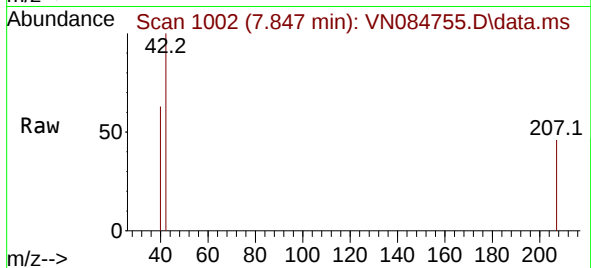
Acq: 08 Nov 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	280
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.167 ug/l

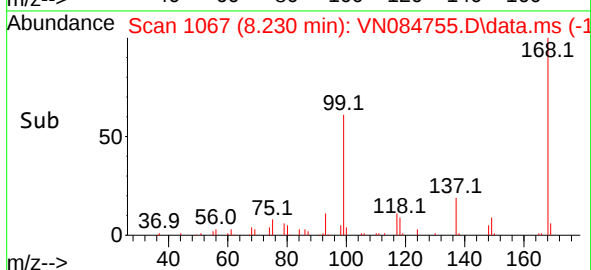
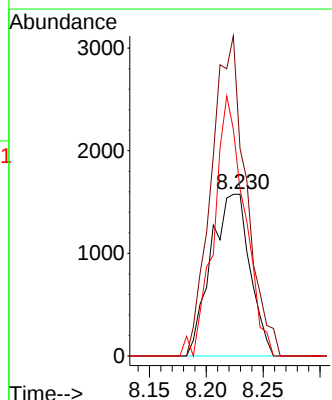
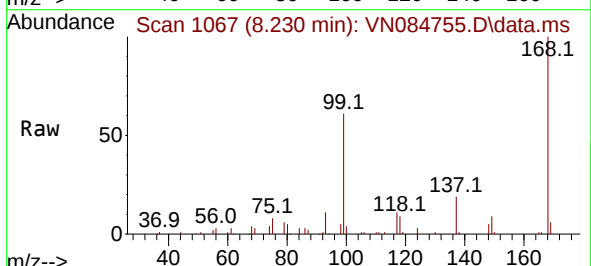
RT: 8.230 min Scan# 1067

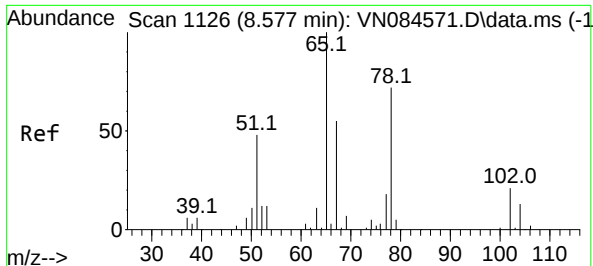
Delta R.T. -0.023 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

Tgt Ion:	56	Resp:	3760
Ion	Ratio	Lower	Upper
56	100		
69	128.0	23.8	35.6#
84	103.1	68.8	103.2





#33

1,2-Dichloroethane-d4

Concen: 50.489 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

Instrument :

MSVOA_N

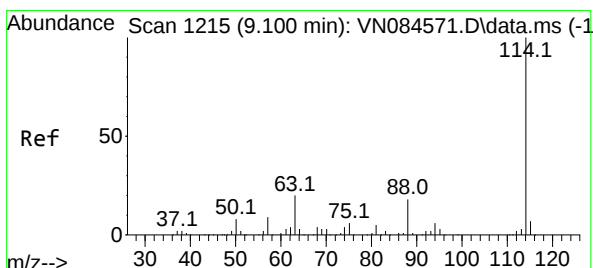
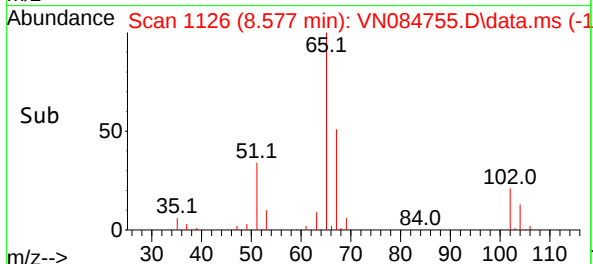
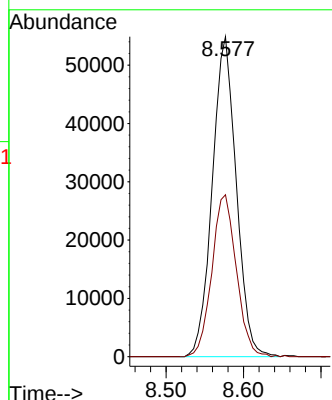
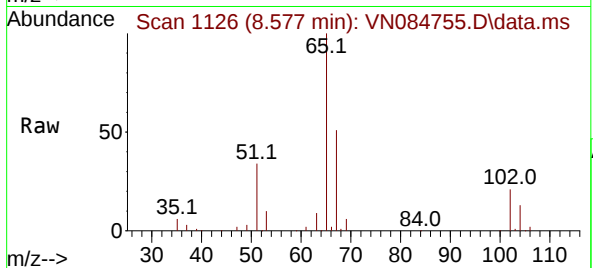
ClientSampleId :

Tgt Ion: 65 Resp: 117872

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# 1215

Delta R.T. 0.000 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

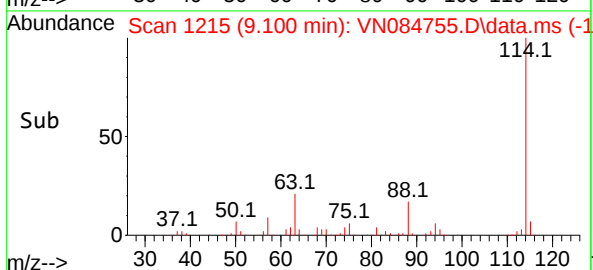
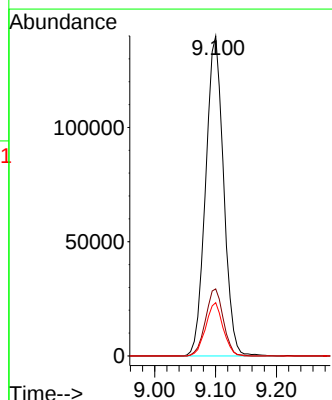
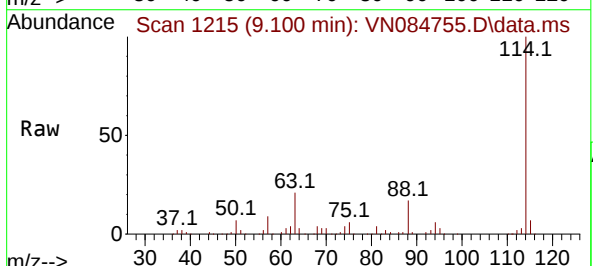
Tgt Ion: 114 Resp: 285963

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

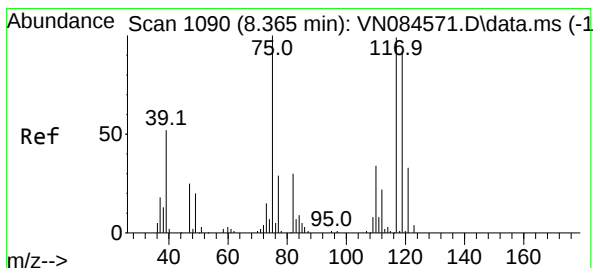
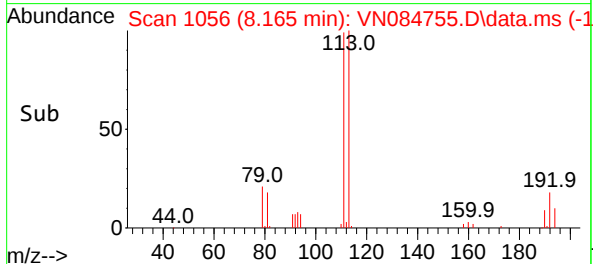
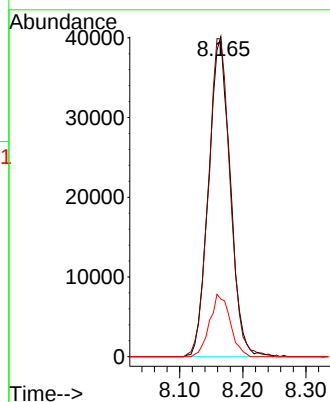
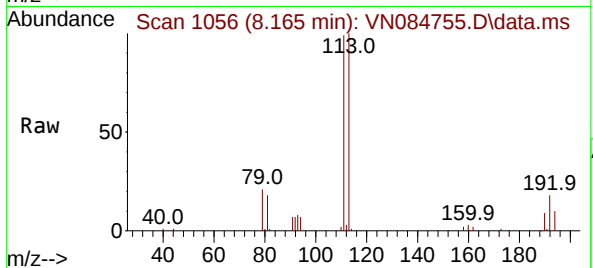
Tgt Ion:113 Resp: 95364

Ion Ratio Lower Upper

113 100

111 100.5 83.3 124.9

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

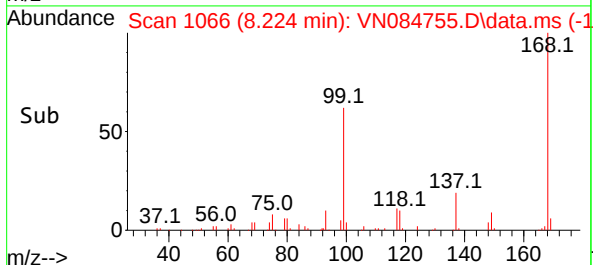
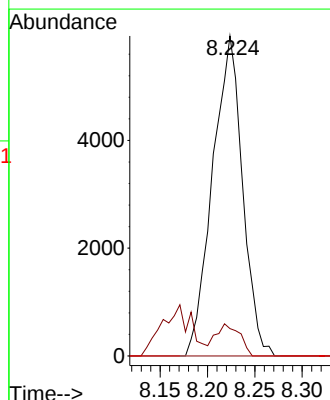
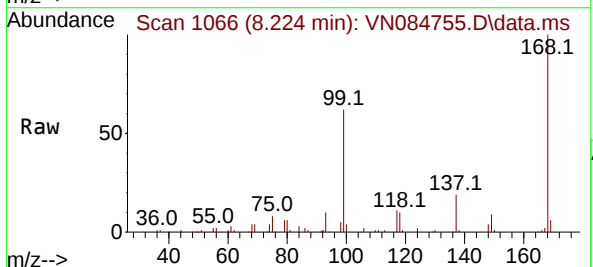
Tgt Ion: 75 Resp: 13091

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.7#

77 0.0 24.7 37.1#

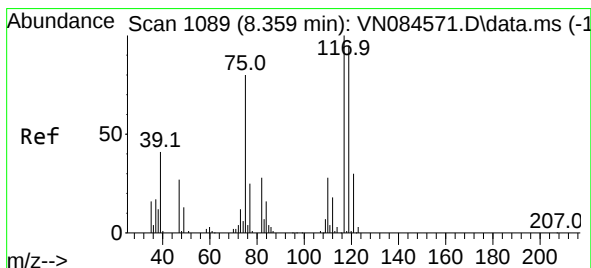
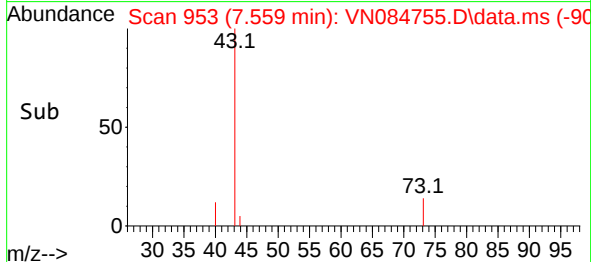
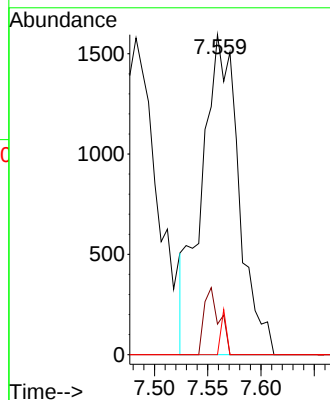
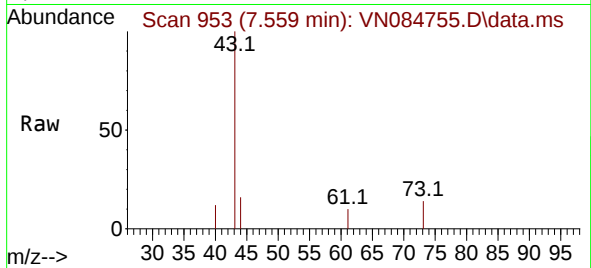




#37
Ethyl Acetate
Concen: 1.587 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

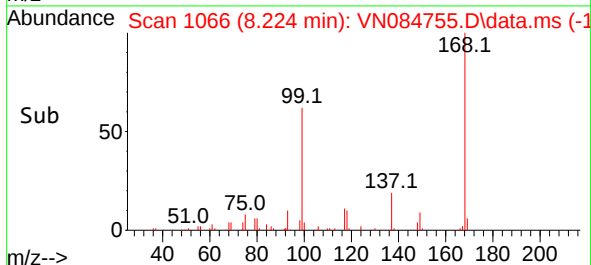
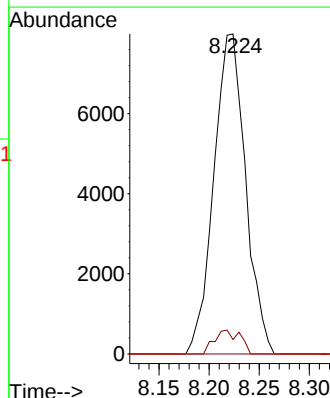
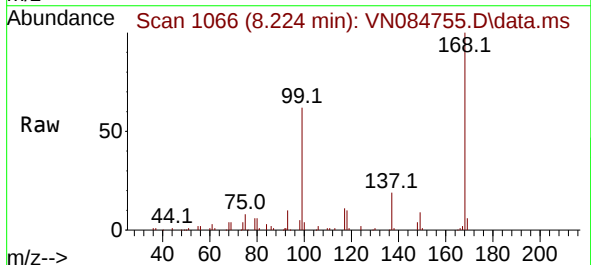
Instrument :
MSVOA_N
ClientSampleId :

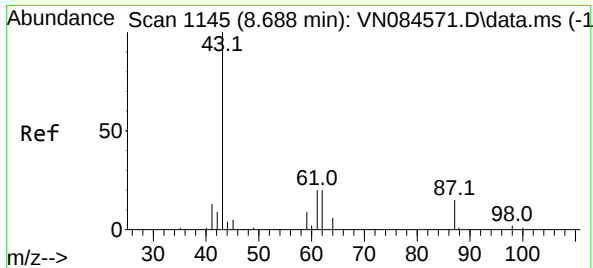
Tgt Ion: 43 Resp: 3865
Ion Ratio Lower Upper
43 100
61 8.7 10.7 16.1#
70 2.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.864 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Tgt Ion: 117 Resp: 17595
Ion Ratio Lower Upper
117 100
119 4.5 78.7 118.1#
121 0.0 24.4 36.6#

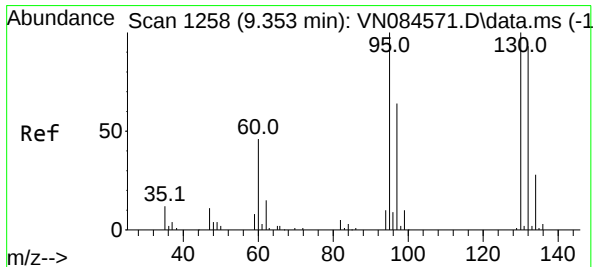
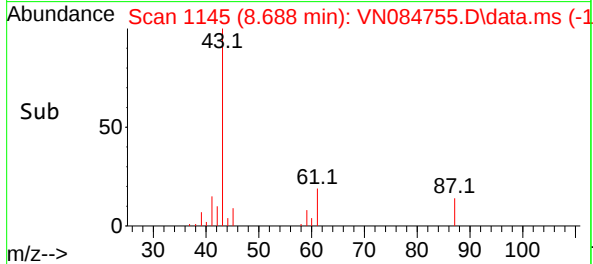
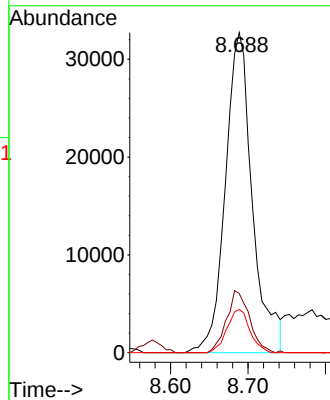
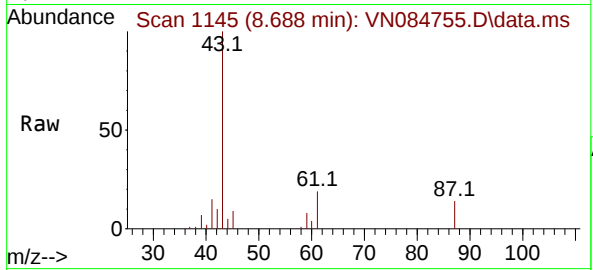




#43
Isopropyl Acetate
Concen: 17.027 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

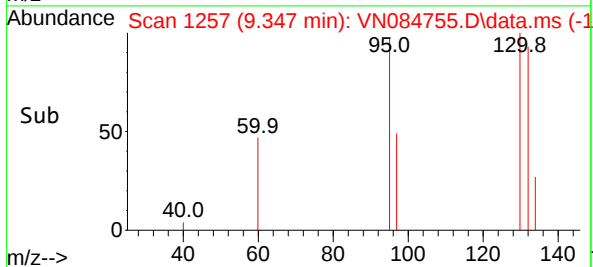
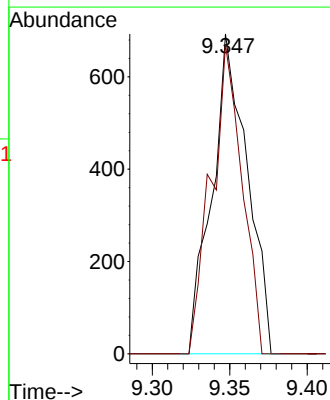
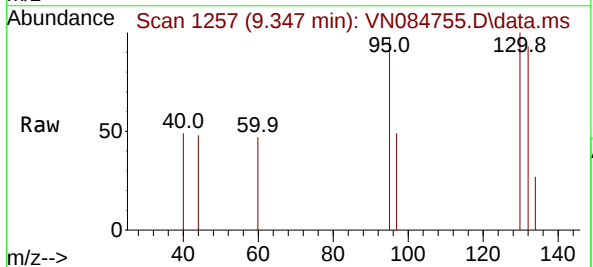
Instrument :
MSVOA_N
ClientSampleId :

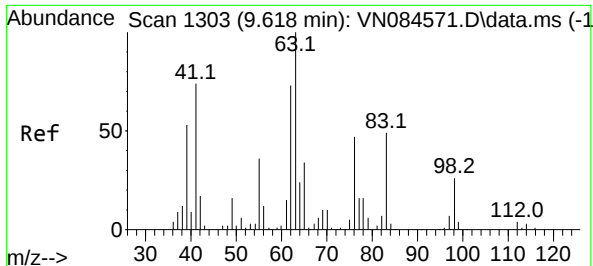
Tgt Ion: 43 Resp: 79478
Ion Ratio Lower Upper
43 100
61 16.5 20.4 30.6#
87 11.4 10.3 15.5



#44
Trichloroethene
Concen: 0.552 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Tgt Ion:130 Resp: 1098
Ion Ratio Lower Upper
130 100
95 96.8 0.0 203.0





#45

1,2-Dichloropropane

Concen: 0.354 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

Instrument :

MSVOA_N

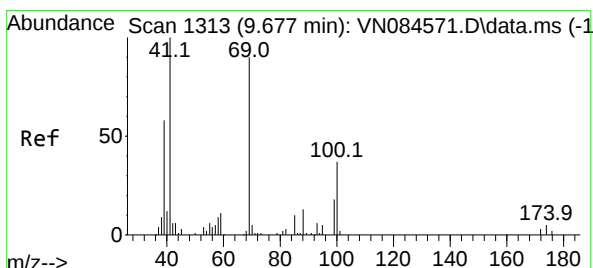
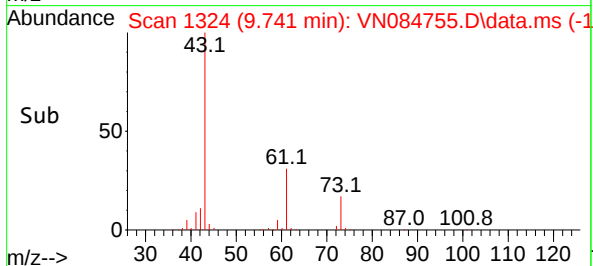
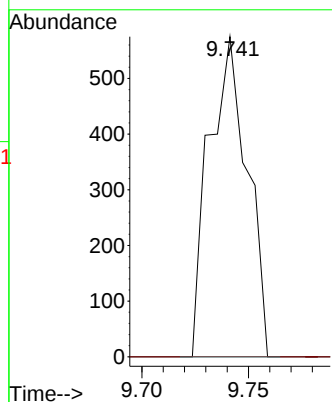
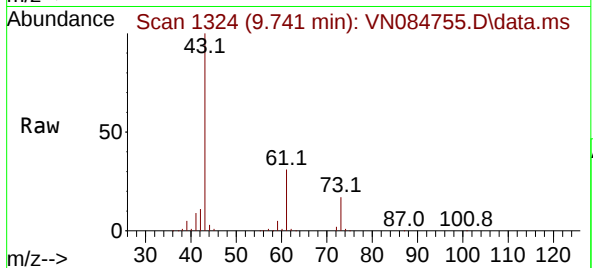
ClientSampleId :

Tgt Ion: 63 Resp: 716

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.131 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

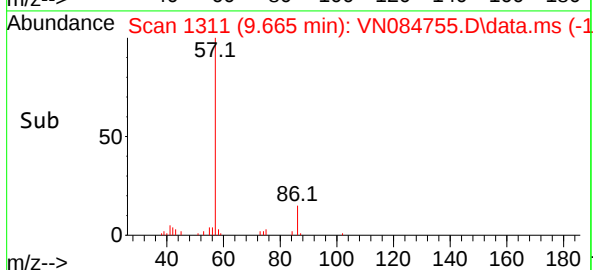
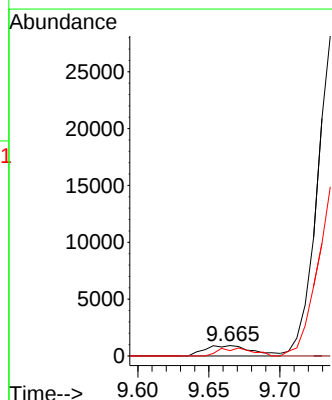
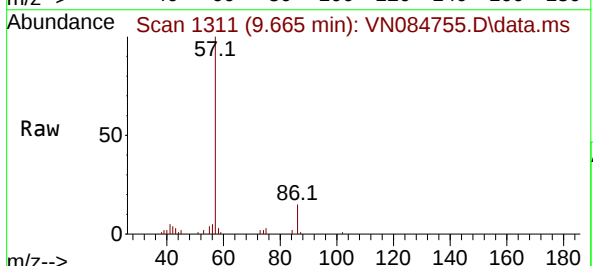
Tgt Ion: 41 Resp: 2144

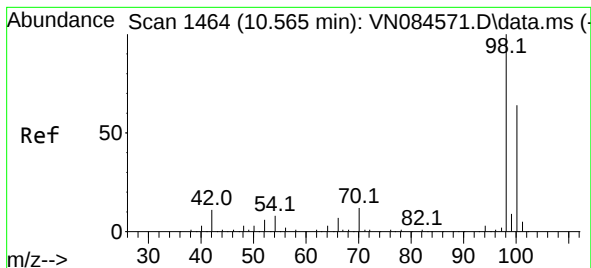
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 53.0 45.8 68.6





#50

Toluene-d8

Concen: 48.046 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

Instrument :

MSVOA_N

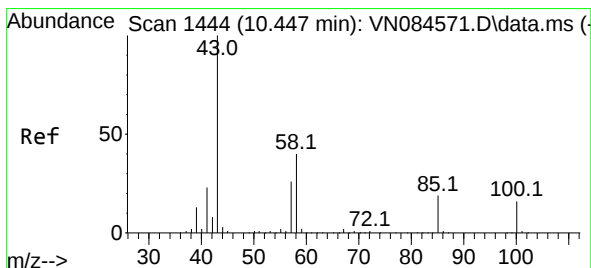
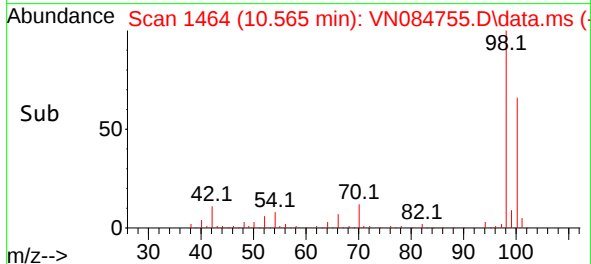
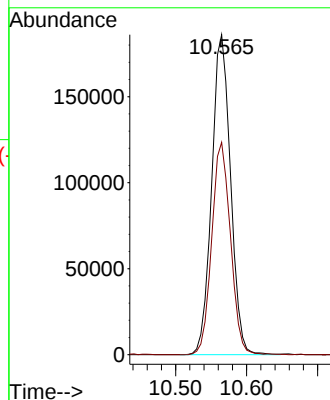
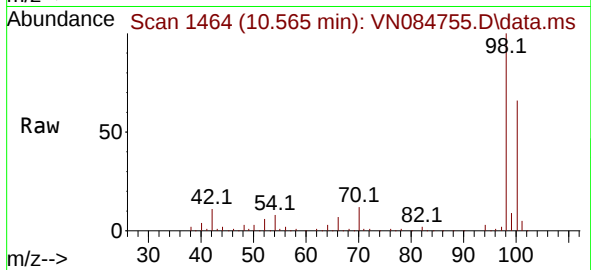
ClientSampleId :

Tgt Ion: 98 Resp: 342580

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 3.101 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084755.D

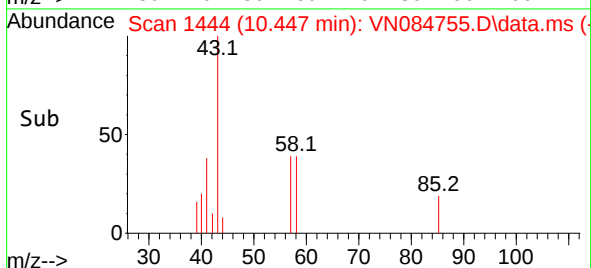
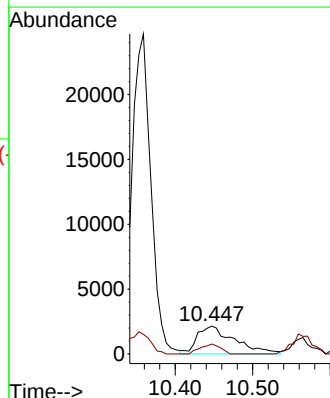
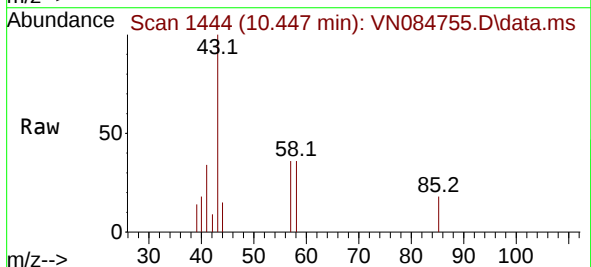
Acq: 08 Nov 2024 17:20

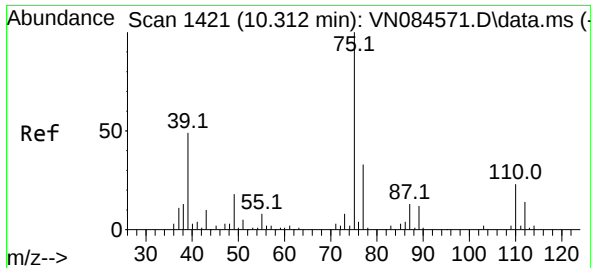
Tgt Ion: 43 Resp: 7199

Ion Ratio Lower Upper

43 100

58 19.3 31.6 47.4#

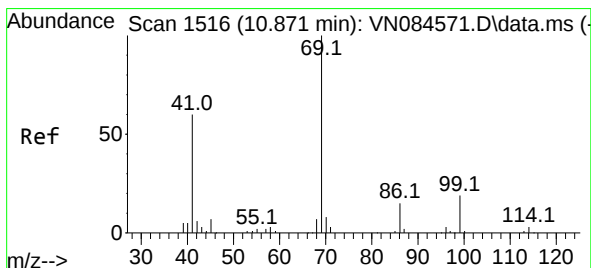
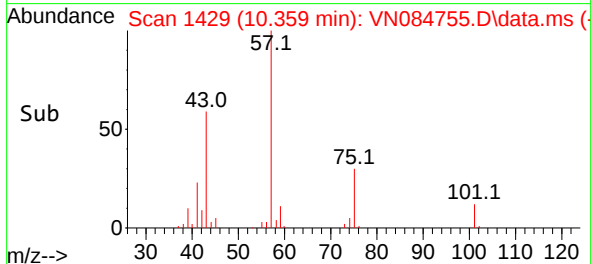
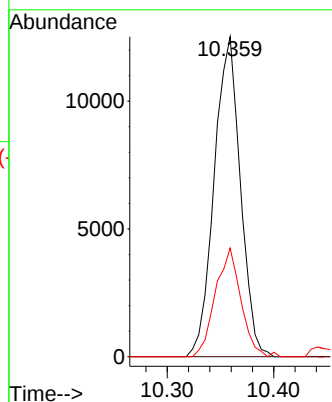
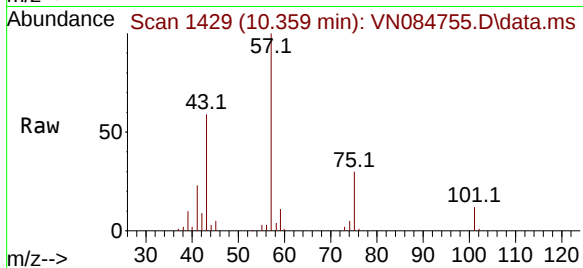




#54
cis-1,3-Dichloropropene
Concen: 6.478 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

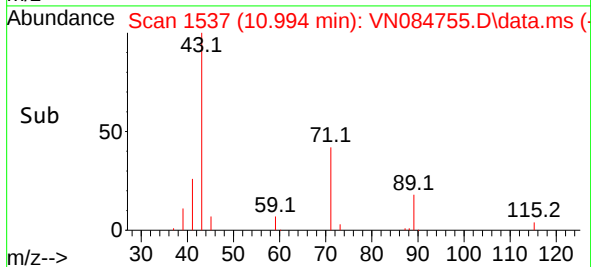
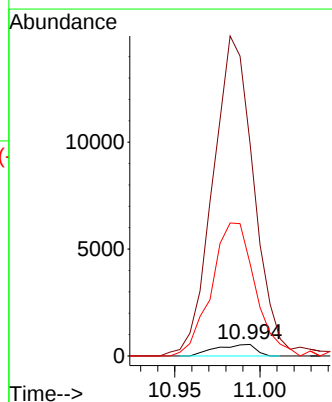
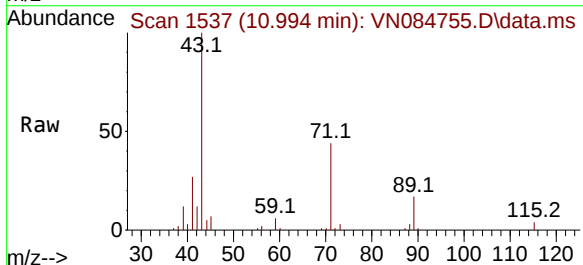
Instrument :
MSVOA_N
ClientSampleId :

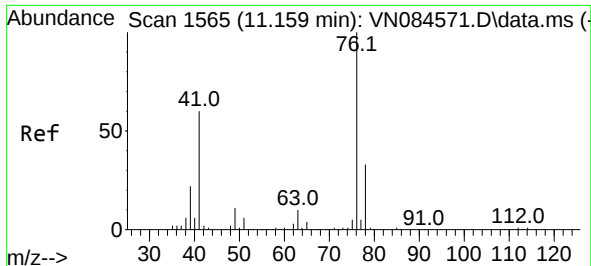
Tgt Ion: 75 Resp: 21347
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 33.9 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.321 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.124 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Tgt Ion: 69 Resp: 881
Ion Ratio Lower Upper
69 100
41 2869.7 53.3 79.9#
39 1268.1 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 0.923 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN084755.D

Acq: 08 Nov 2024 17:20

Instrument :

MSVOA_N

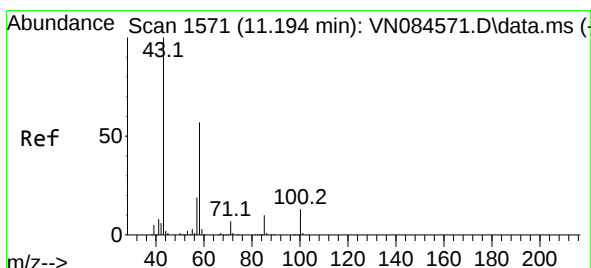
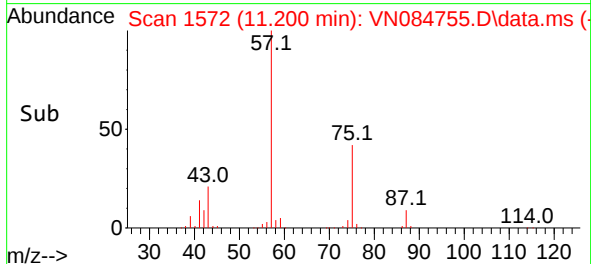
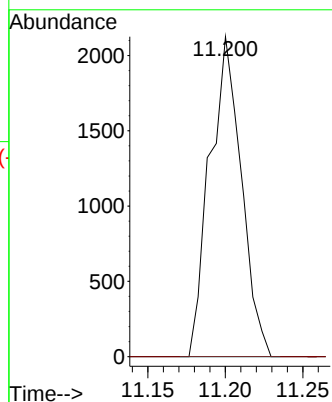
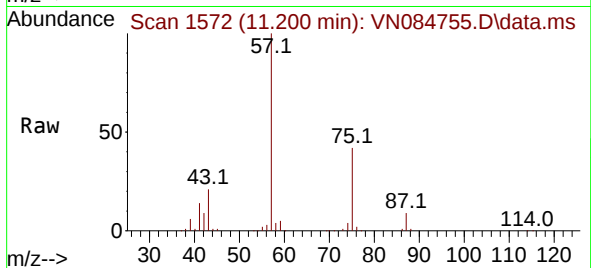
ClientSampleId :

Tgt Ion: 76 Resp: 3007

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.625 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084755.D

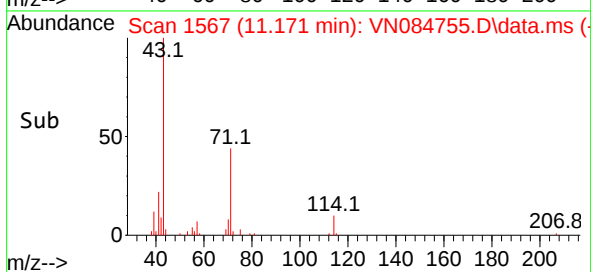
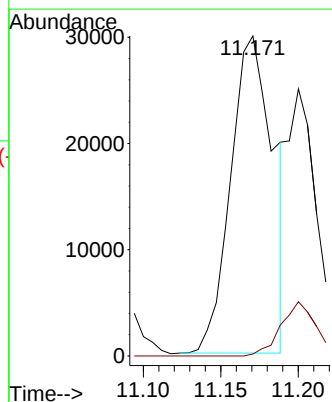
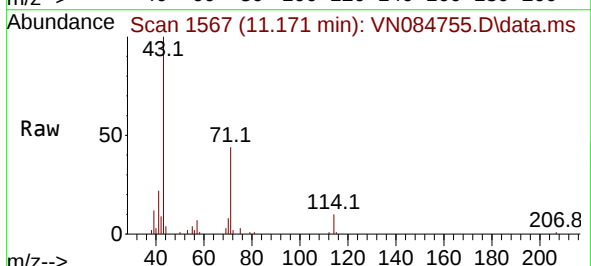
Acq: 08 Nov 2024 17:20

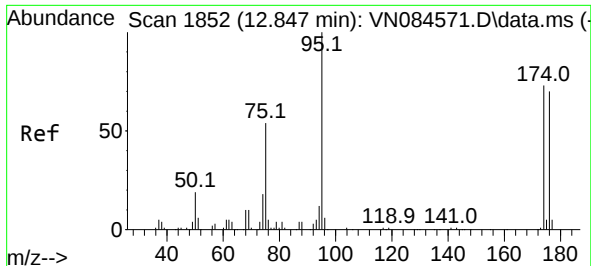
Tgt Ion: 43 Resp: 56828

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

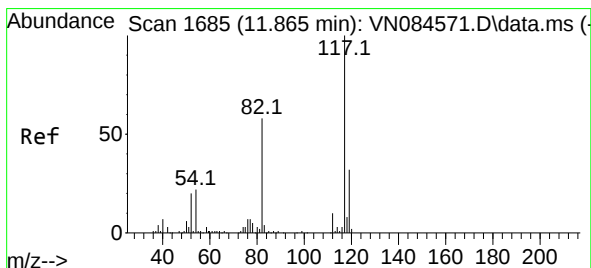
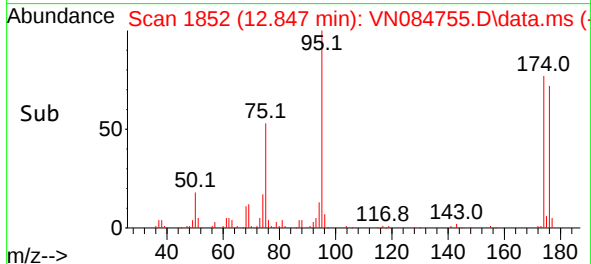
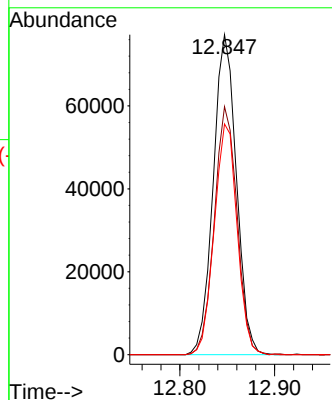
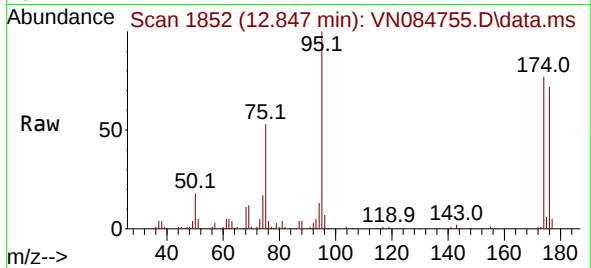




#62
4-Bromofluorobenzene
Concen: 49.130 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

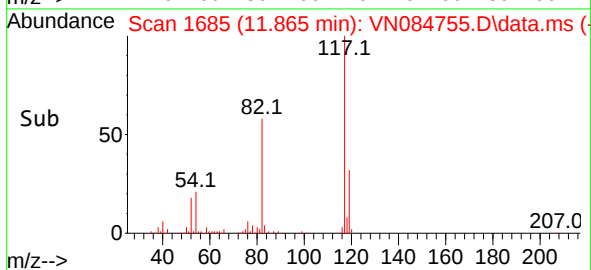
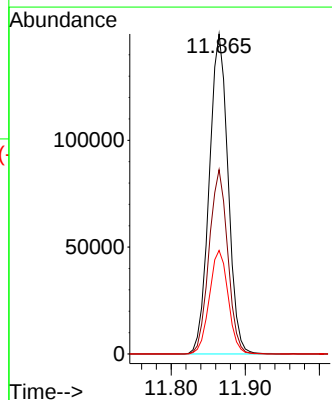
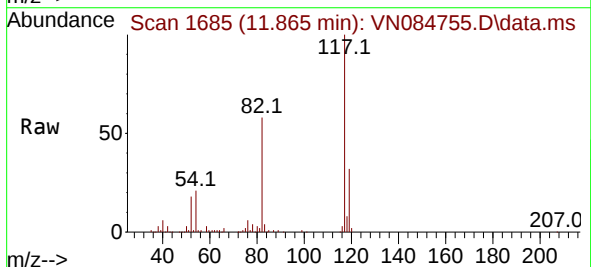
Instrument :
MSVOA_N
ClientSampleId :

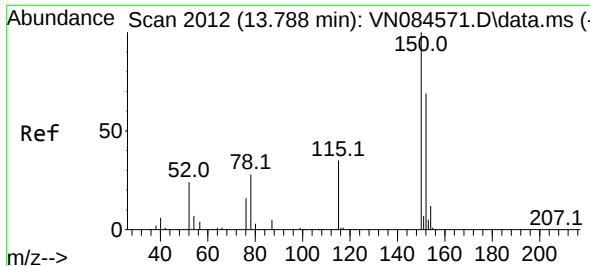
Tgt Ion: 95 Resp: 130921
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.2
176 71.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

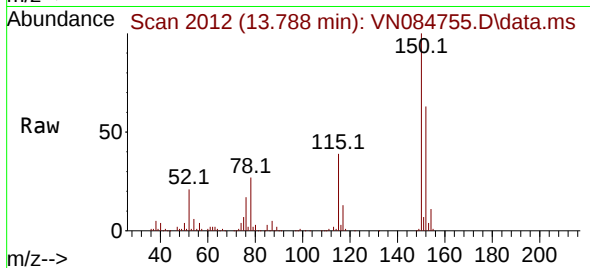
Tgt Ion: 117 Resp: 263471
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 32.3 25.4 38.0



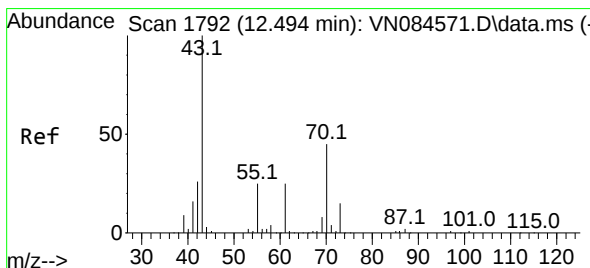
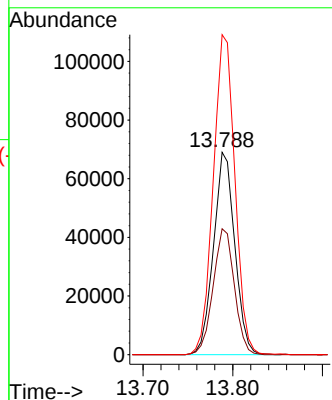
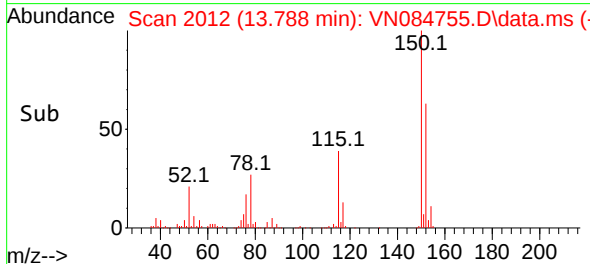


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :

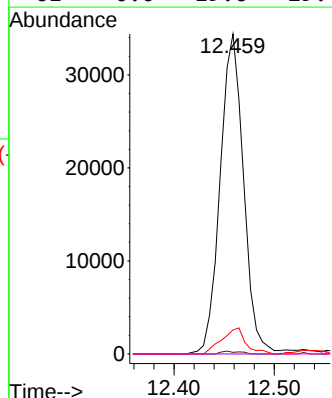
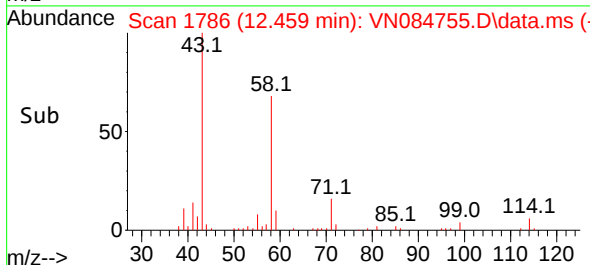
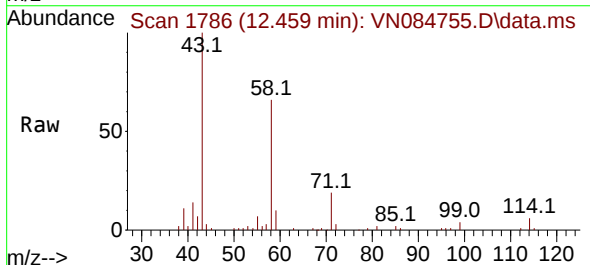


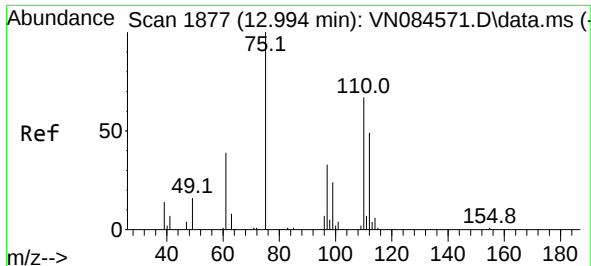
Tgt Ion:152 Resp: 113640
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.9
150 160.9 0.0 349.8



#74
N-ethyl acetate
Concen: 16.443 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Tgt Ion: 43 Resp: 55734
Ion Ratio Lower Upper
43 100
70 0.7 34.4 51.6#
55 8.3 19.6 29.4#
61 0.0 19.6 29.4#

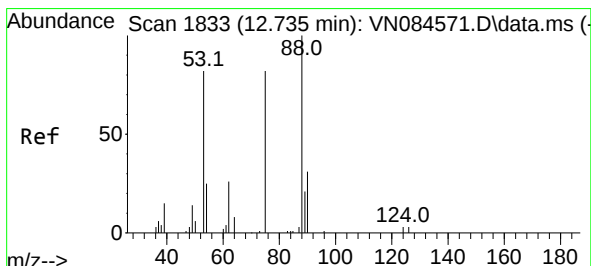
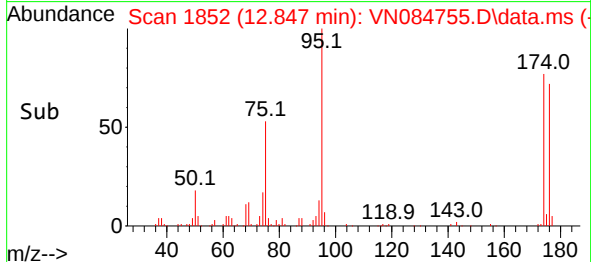
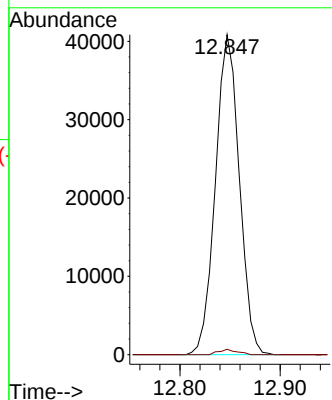
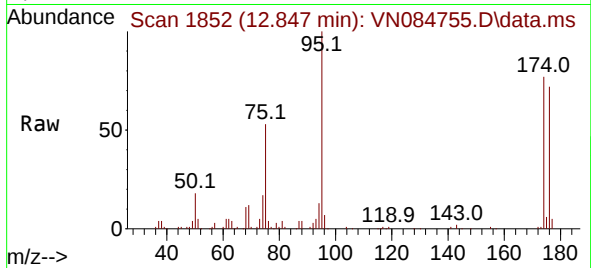




#76
1,2,3-Trichloropropane
Concen: 29.711 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

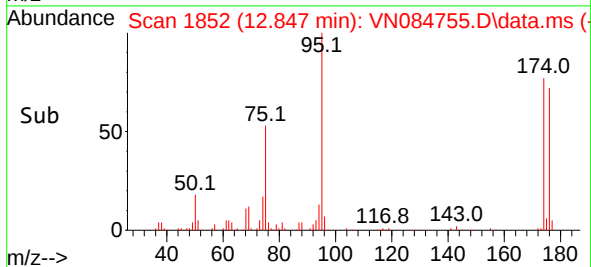
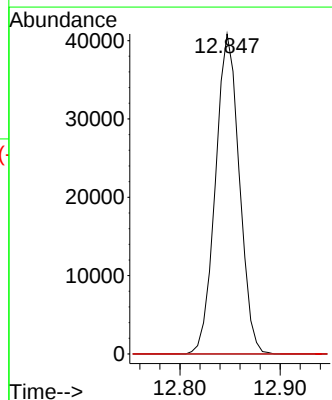
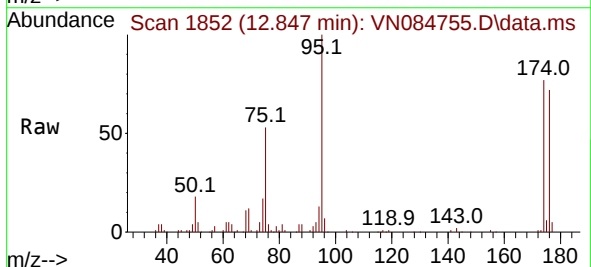
Instrument :
MSVOA_N
ClientSampleId :

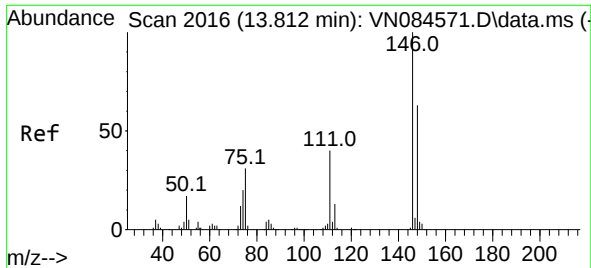
Tgt Ion: 75 Resp: 67491
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.486 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

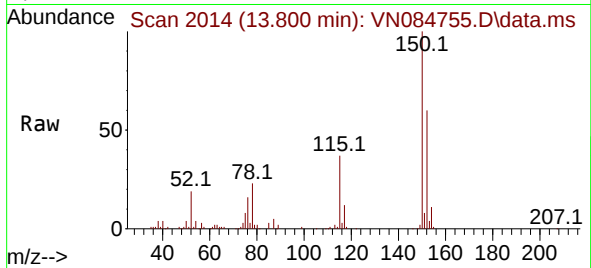
Tgt Ion: 75 Resp: 67491
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



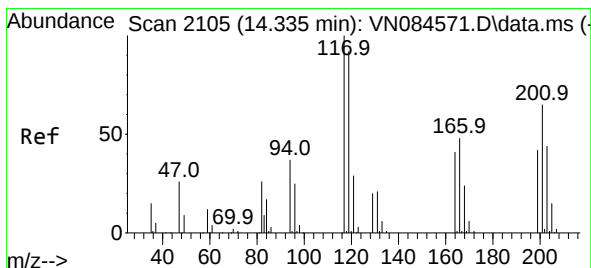
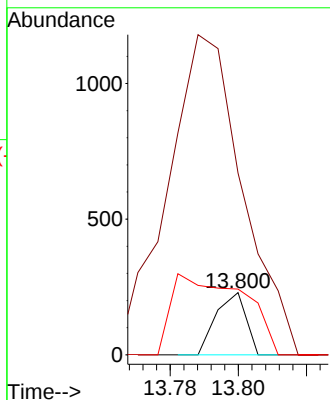
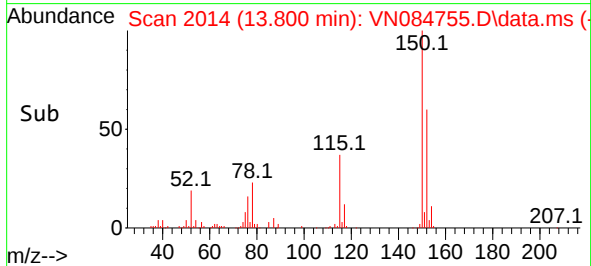


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.800 min Scan# 2016
Delta R.T. -0.012 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :

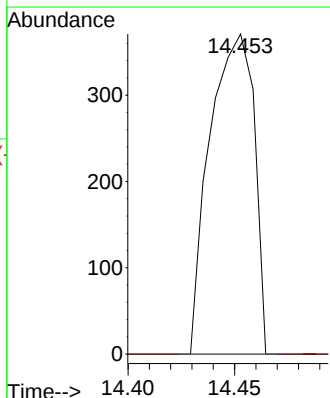
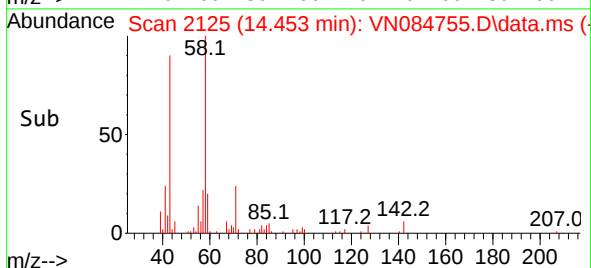
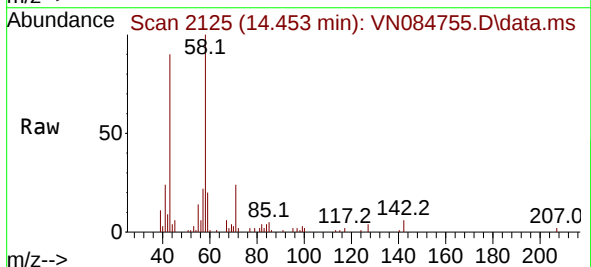


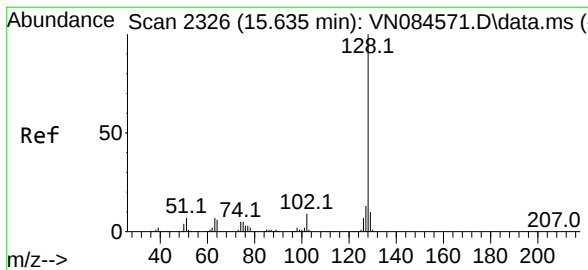
Tgt Ion:146 Resp: 139
Ion Ratio Lower Upper
146 100
111 1300.7 21.2 63.6#
148 313.7 31.9 95.9#



#90
Hexachloroethane
Concen: 0.380 ug/l
RT: 14.453 min Scan# 2125
Delta R.T. 0.124 min
Lab File: VN084755.D
Acq: 08 Nov 2024 17:20

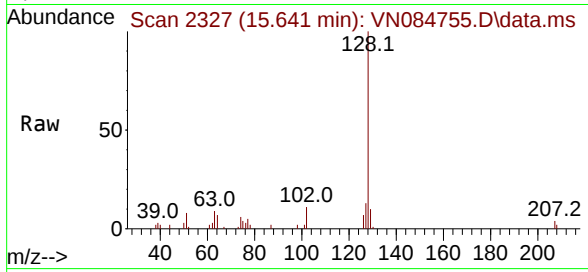
Tgt Ion:117 Resp: 536
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.2#





#95
 Naphthalene
 Concen: 4.114 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084755.D
 Acq: 08 Nov 2024 17:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	27058
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.2	8.7	13.1

