

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083786.D
 Acq On : 11 Sep 2024 10:50
 Operator : JC\MD
 Sample : P3906-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 16:23:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

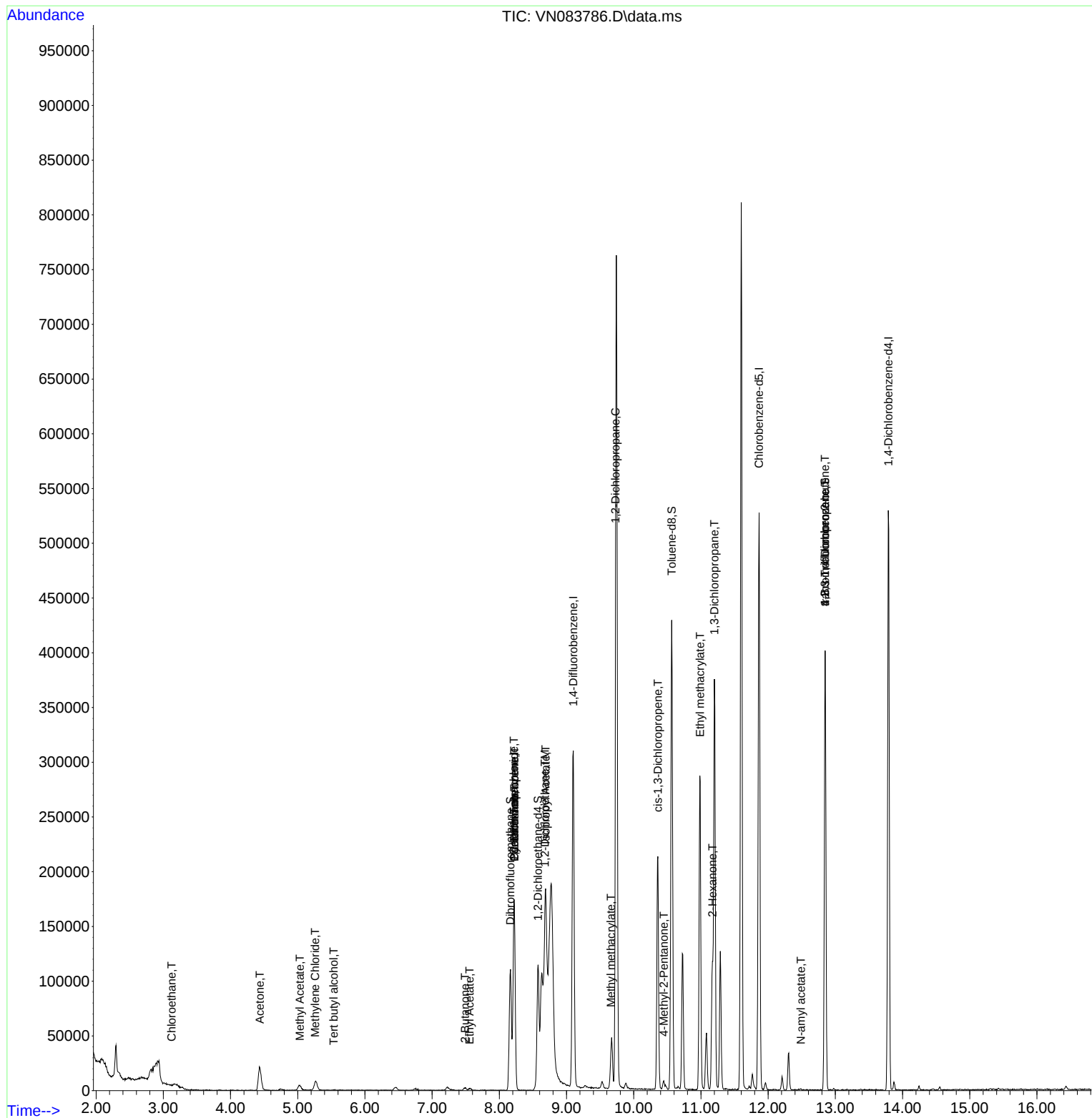
Internal Standards						
1) Pentafluorobenzene	8.224	168	117297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	99207	56.091	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.180%			
35) Dibromofluoromethane	8.165	113	76610	47.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.540%			
50) Toluene-d8	10.565	98	283492	50.600	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.200%			
62) 4-Bromofluorobenzene	12.847	95	133927	57.940	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.880%			
Target Compounds						Qvalue
3) Chloromethane	2.354	50	499	Below Cal	#	53
6) Chloroethane	3.124	64	465	0.444	ug/l #	45
11) Tert butyl alcohol	5.536	59	136	0.574	ug/l #	71
16) Acetone	4.436	43	38982	54.980	ug/l	93
18) Methyl Acetate	5.030	43	9864	5.007	ug/l	95
20) Methylene Chloride	5.259	84	6232	4.295	ug/l	87
25) 2-Butanone	7.489	43	4416	4.739	ug/l	90
31) Cyclohexane	8.224	56	3229	1.263	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	10628	4.357	ug/l #	51
37) Ethyl Acetate	7.559	43	2945	1.330	ug/l #	87
38) Carbon Tetrachloride	8.218	117	13438	4.856	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	903	0.329	ug/l #	77
43) Isopropyl Acetate	8.688	43	238567	59.459	ug/l #	75
45) 1,2-Dichloropropane	9.730	63	920	0.518	ug/l #	42
48) Methyl methacrylate	9.659	41	3001	1.576	ug/l #	14
51) 4-Methyl-2-Pentanone	10.447	43	8596	3.936	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	36880	12.877	ug/l #	62
56) Ethyl methacrylate	10.988	69	1162	0.450	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3582	1.243	ug/l #	42
59) 2-Hexanone	11.171	43	95362	59.025	ug/l #	24
74) N-amyl acetate	12.488	43	2011	0.453	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	77281	28.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77281	74.515	ug/l #	9

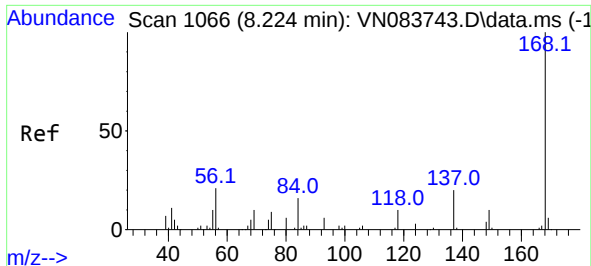
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN083786.D
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ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

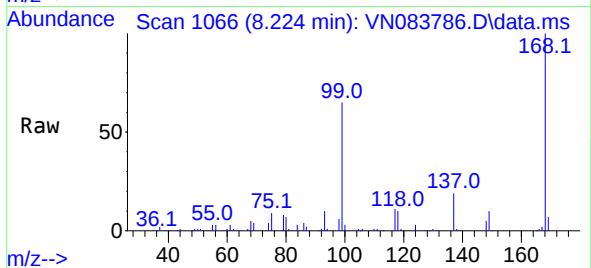
Quant Time: Sep 11 16:23:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



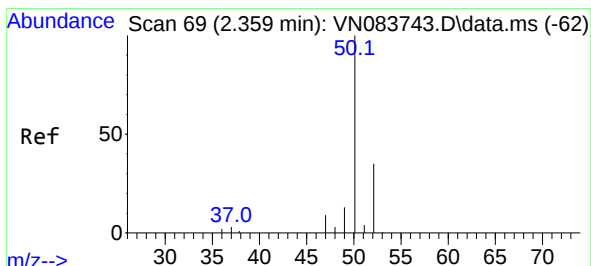
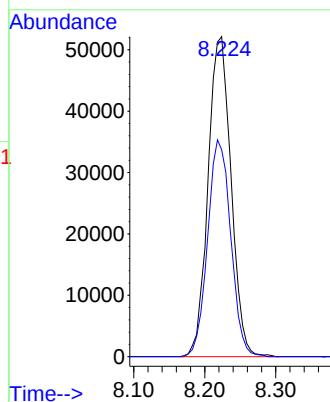
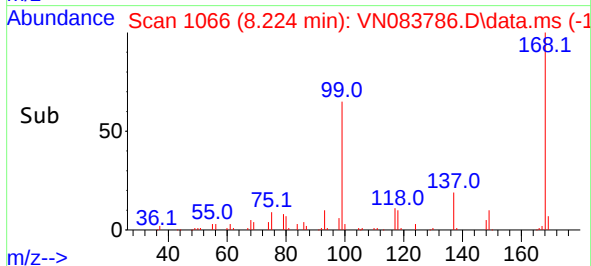


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

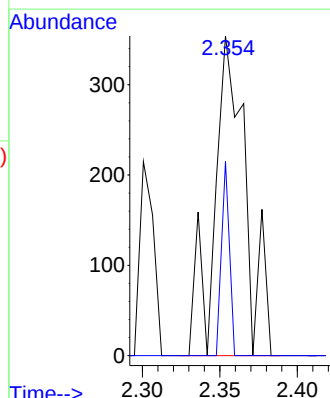
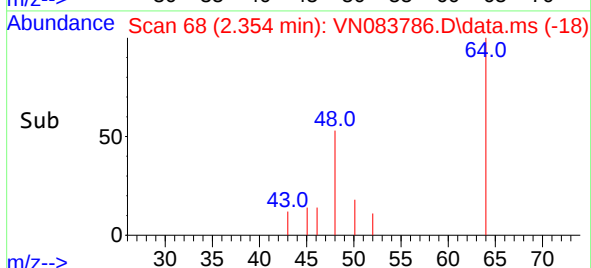
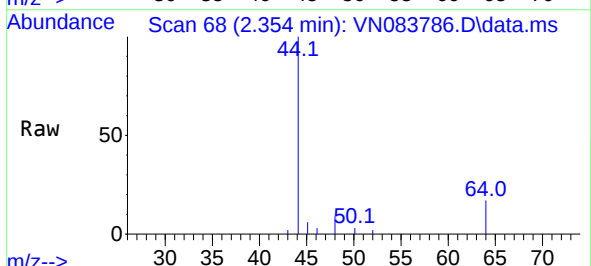


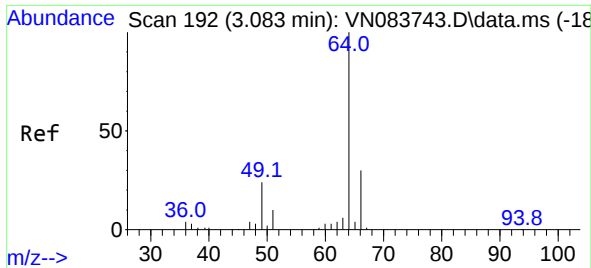
Tgt Ion:168 Resp: 117297
Ion Ratio Lower Upper
168 100
99 64.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 60.7 27.2 40.8#

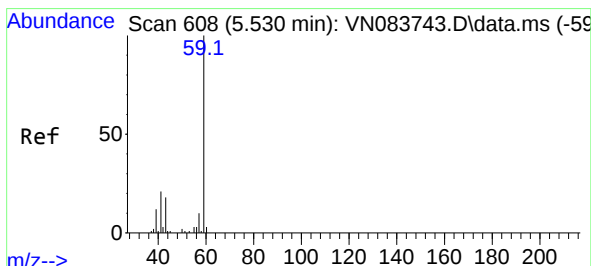
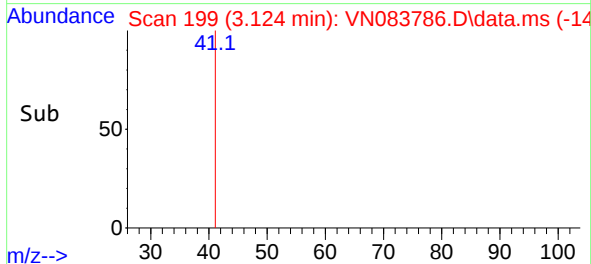
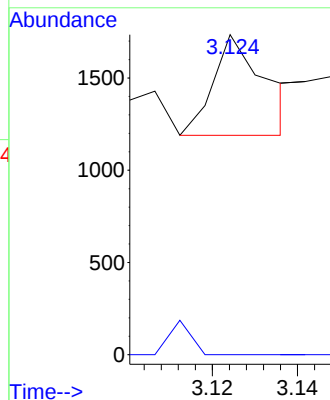
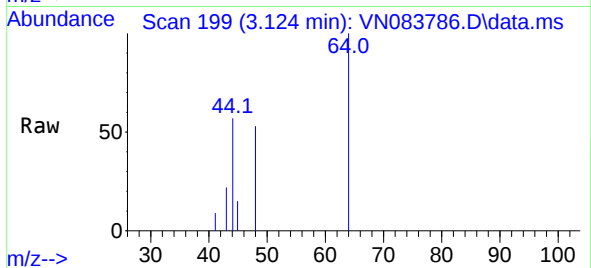




#6
Chloroethane
Concen: 0.444 ug/l
RT: 3.124 min Scan# 192
Delta R.T. 0.041 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

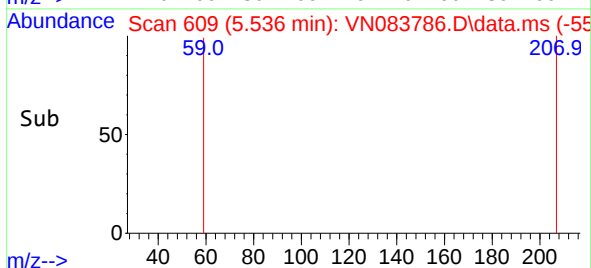
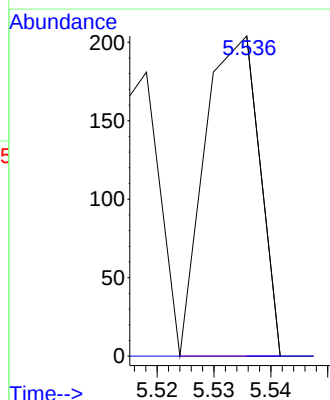
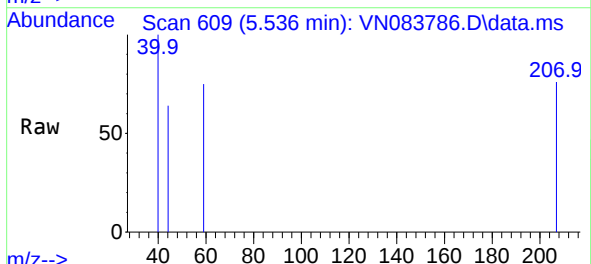
Instrument :
MSVOA_N
ClientSampleId :

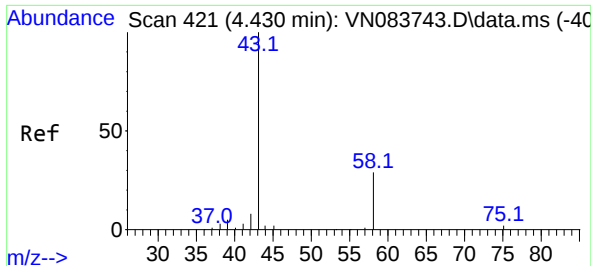
Tgt Ion: 64 Resp: 465
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.574 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

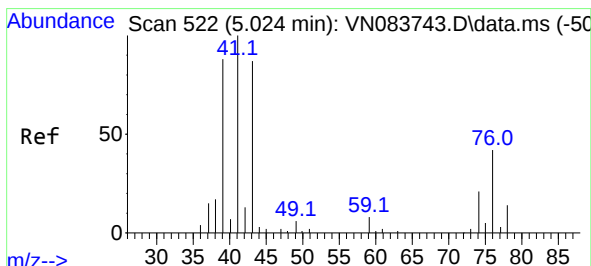
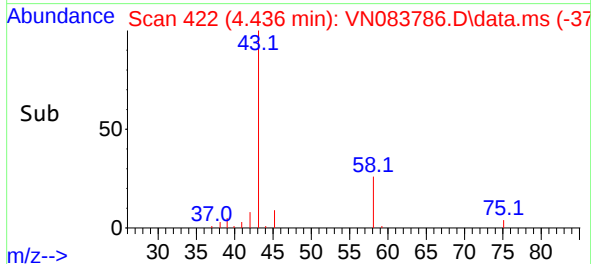
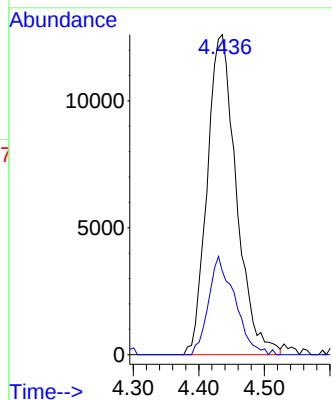
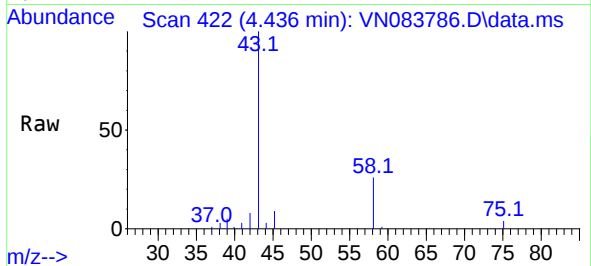




#16
Acetone
Concen: 54.980 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

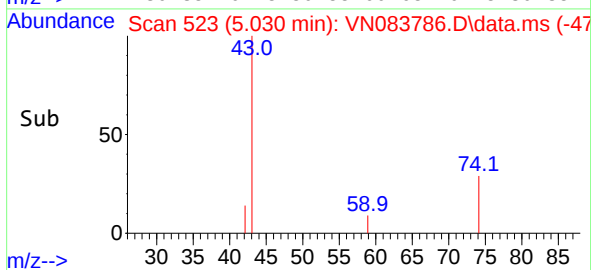
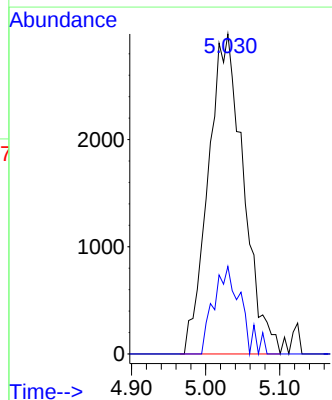
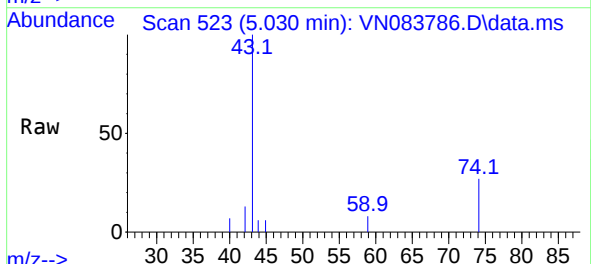
Instrument :
MSVOA_N
ClientSampleId :

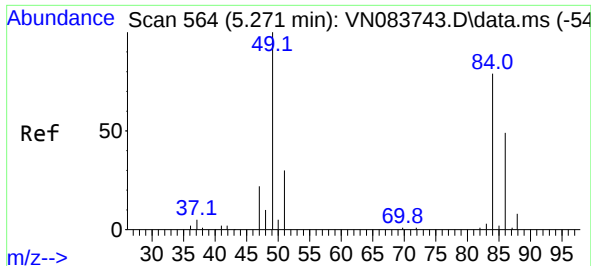
Tgt Ion: 43 Resp: 38982
Ion Ratio Lower Upper
43 100
58 26.1 23.7 35.5



#18
Methyl Acetate
Concen: 5.007 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

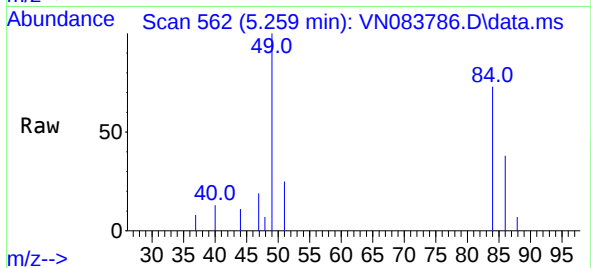
Tgt Ion: 43 Resp: 9864
Ion Ratio Lower Upper
43 100
74 21.1 19.0 28.4





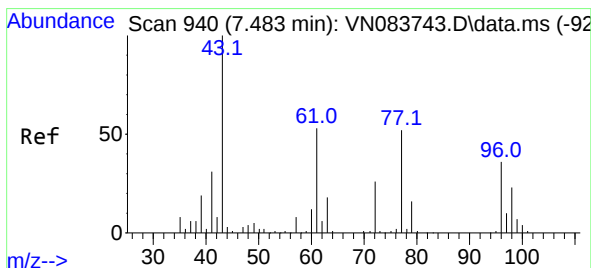
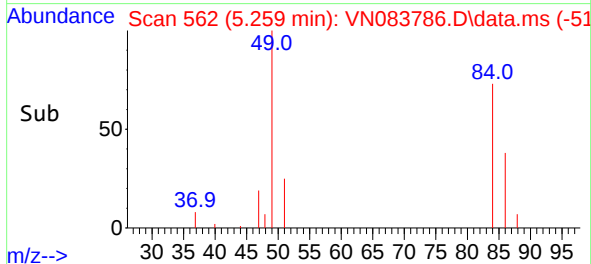
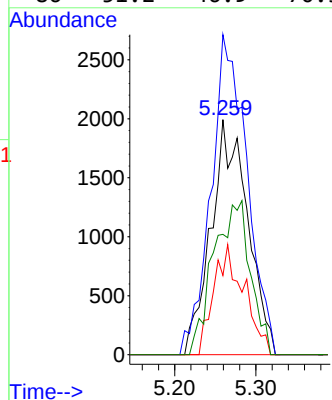
#20
Methylene Chloride
Concen: 4.295 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 6232

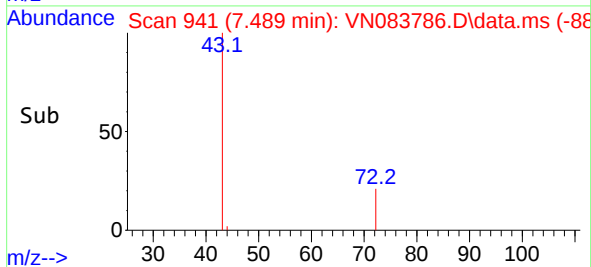
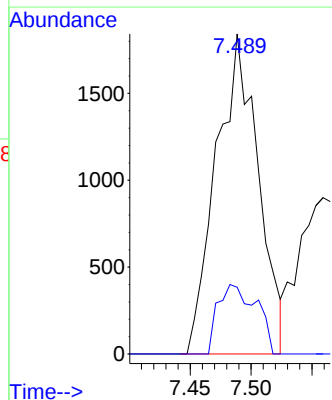
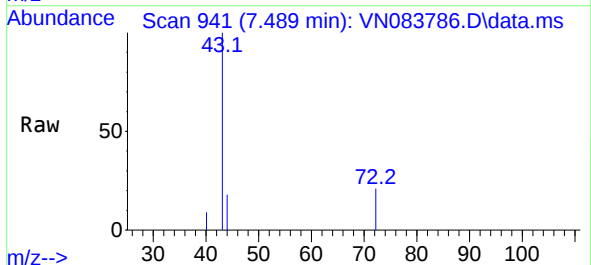
Ion	Ratio	Lower	Upper
84	100		
49	136.1	93.4	140.0
51	33.7	29.2	43.8
86	51.2	46.9	70.3

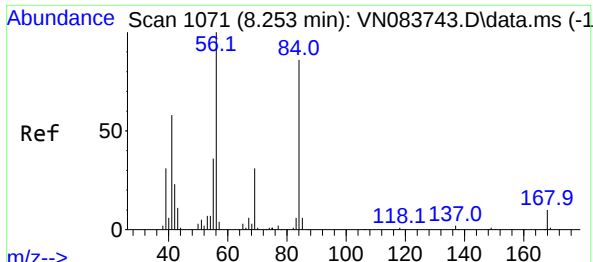


#25
2-Butanone
Concen: 4.739 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 43 Resp: 4416

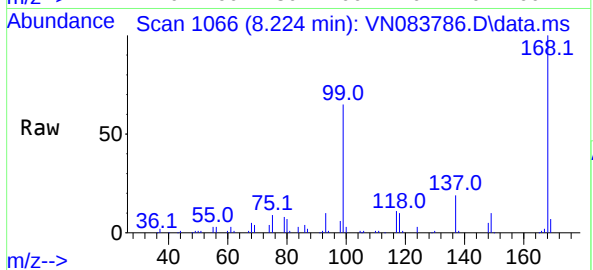
Ion	Ratio	Lower	Upper
43	100		
72	20.8	20.8	31.2



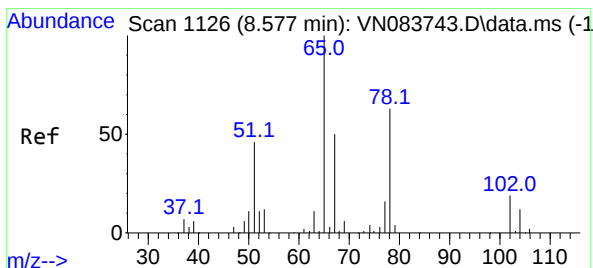
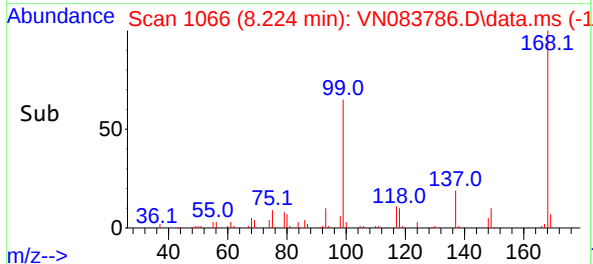
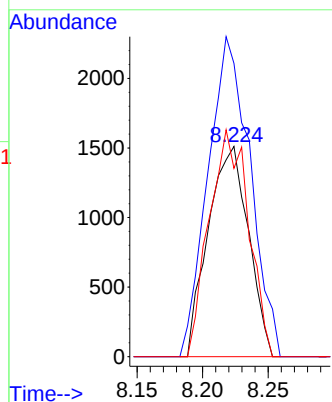


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

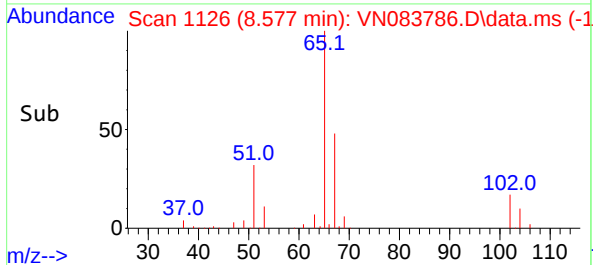
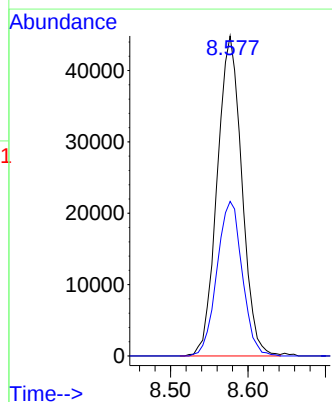
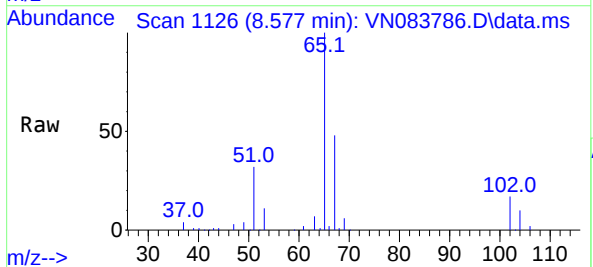


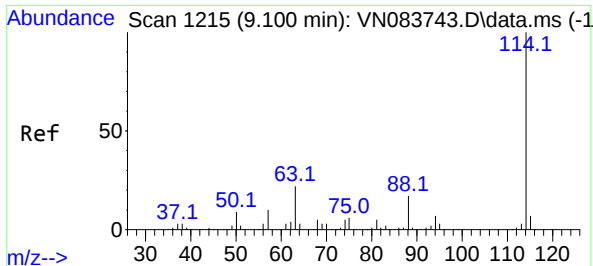
Tgt Ion: 56 Resp: 3229
Ion Ratio Lower Upper
56 100
69 139.5 26.9 40.3#
84 89.6 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 56.091 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 65 Resp: 99207
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8

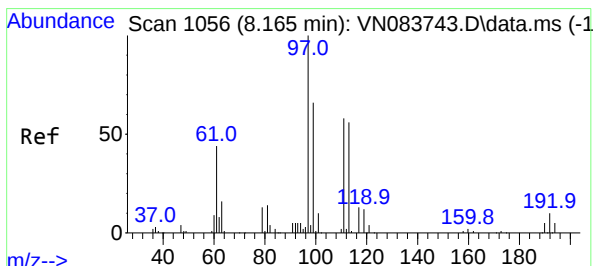
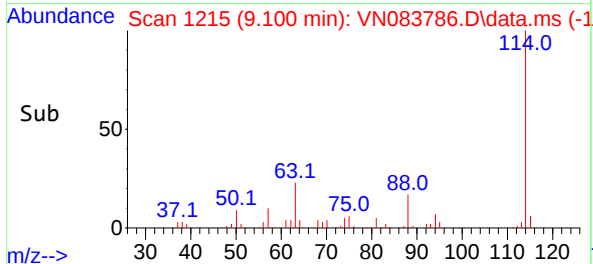
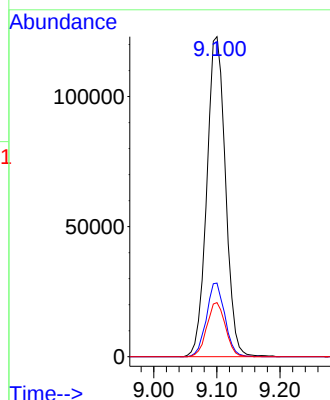
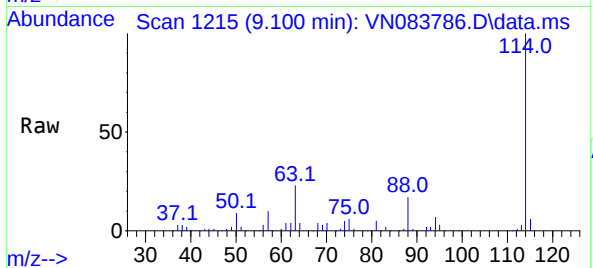




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

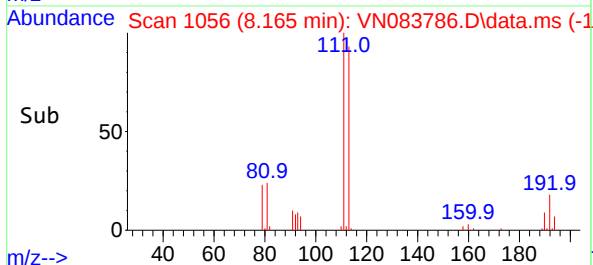
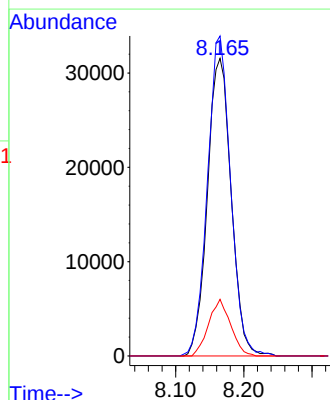
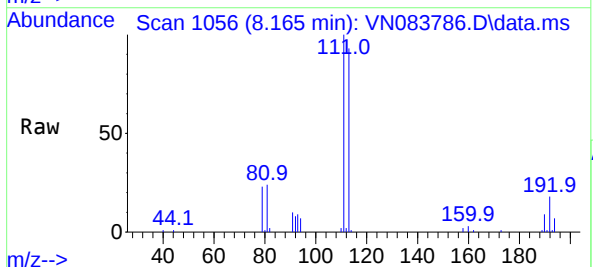
Instrument :
MSVOA_N
ClientSampleId :

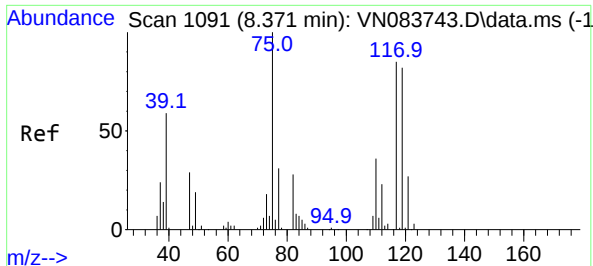
Tgt Ion:114 Resp: 253147
Ion Ratio Lower Upper
114 100
63 23.0 0.0 43.4
88 16.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.272 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

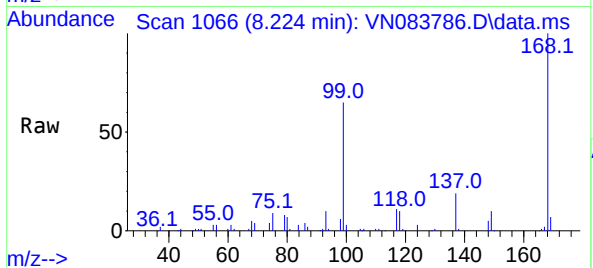
Tgt Ion:113 Resp: 76610
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 17.6 14.3 21.5



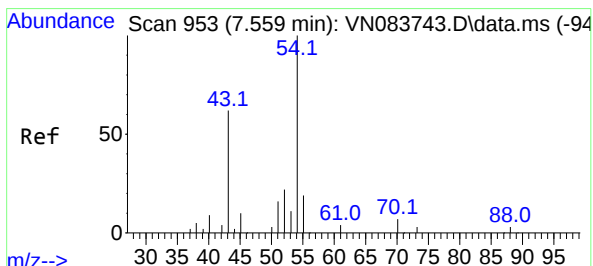
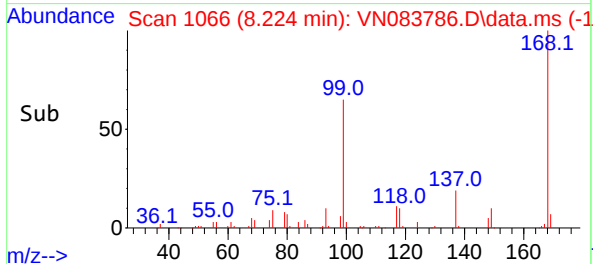
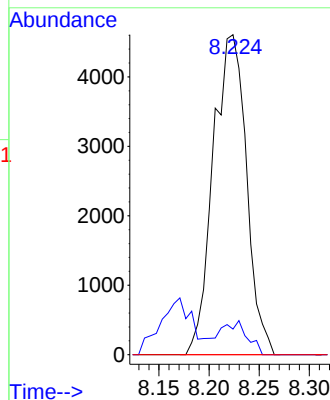


#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

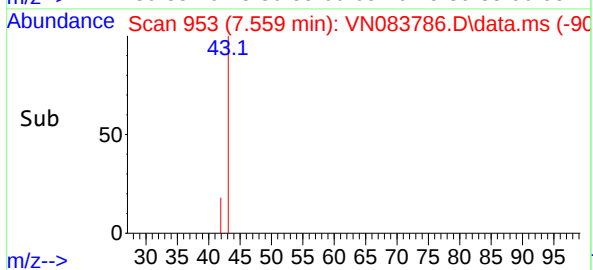
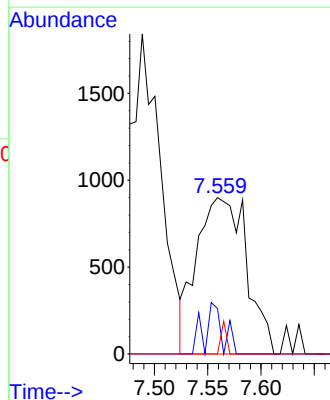
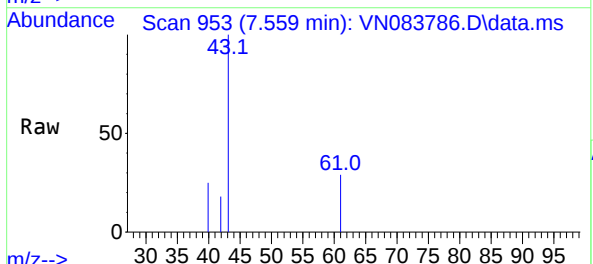


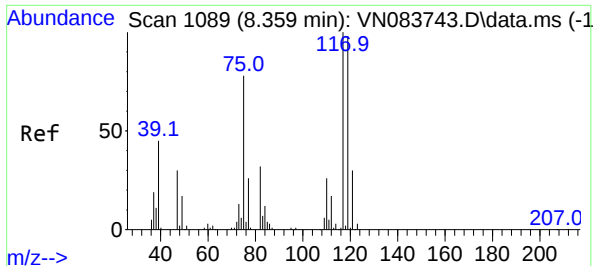
Tgt Ion: 75 Resp: 10628
Ion Ratio Lower Upper
75 100
110 9.3 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.330 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

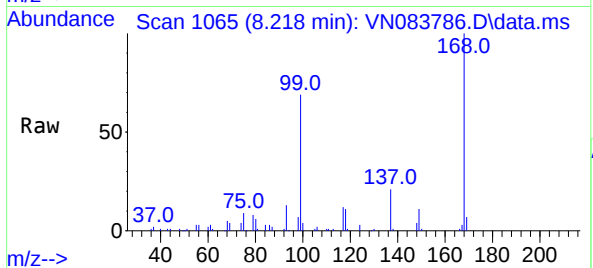
Tgt Ion: 43 Resp: 2945
Ion Ratio Lower Upper
43 100
61 11.9 11.1 16.7
70 2.3 8.8 13.2#



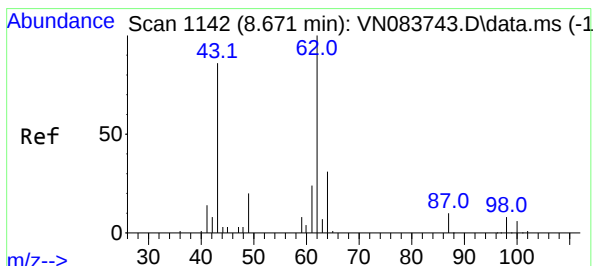
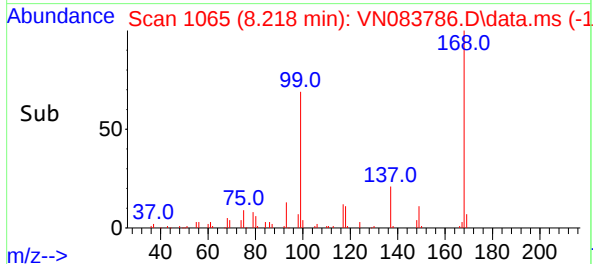
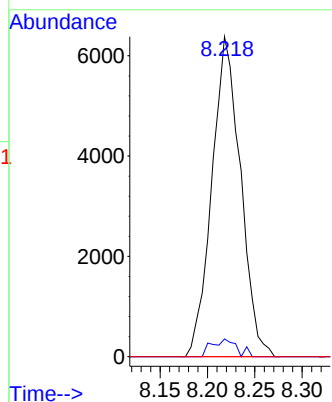


#38
Carbon Tetrachloride
Concen: 4.856 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

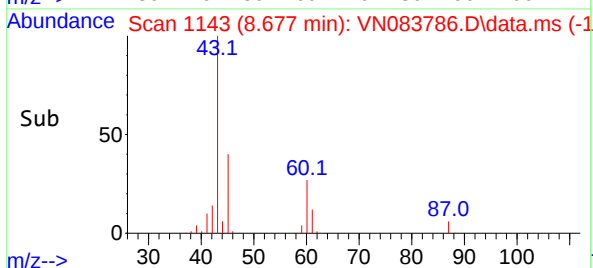
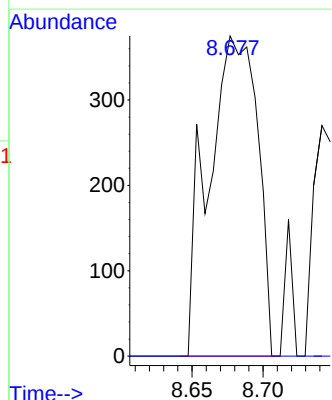
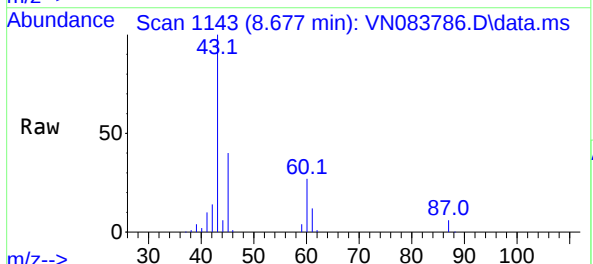


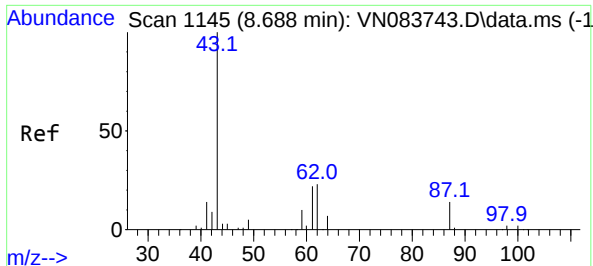
Tgt Ion:117 Resp: 13438
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.329 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

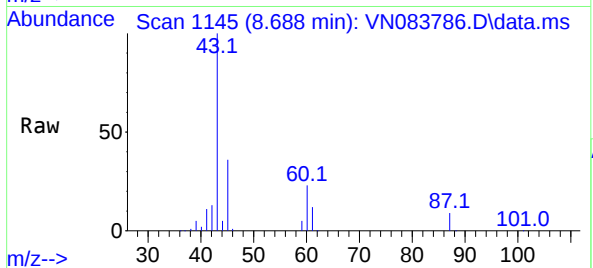
Tgt Ion: 62 Resp: 903
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



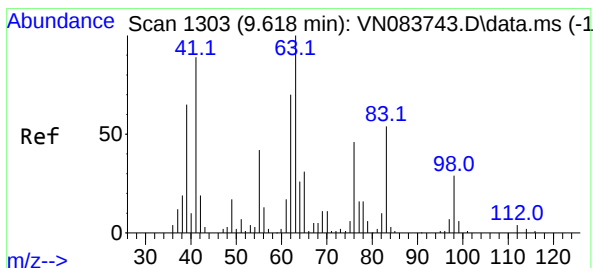
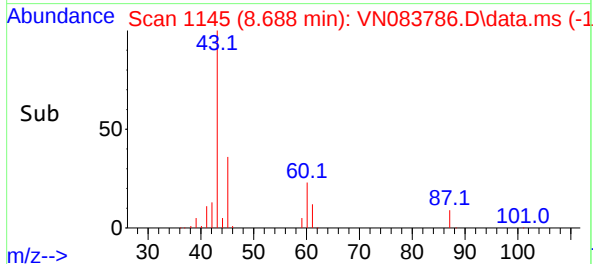
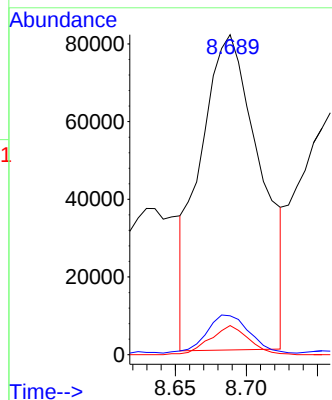


#43
Isopropyl Acetate
Concen: 59.459 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

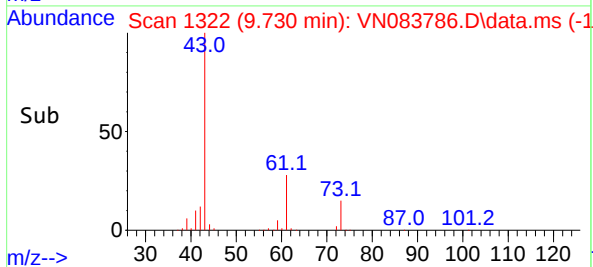
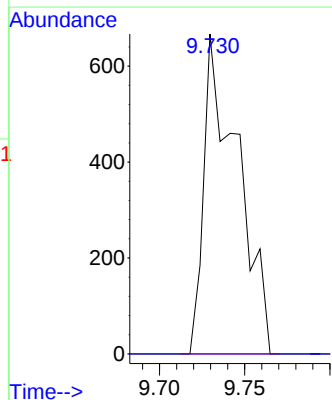
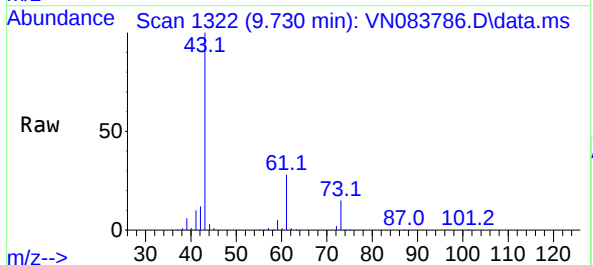


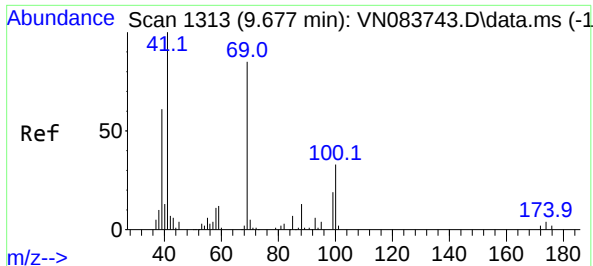
Tgt Ion: 43 Resp: 238567
Ion Ratio Lower Upper
43 100
61 9.6 19.4 29.0#
87 6.0 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.518 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 63 Resp: 920
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 1.576 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.018 min

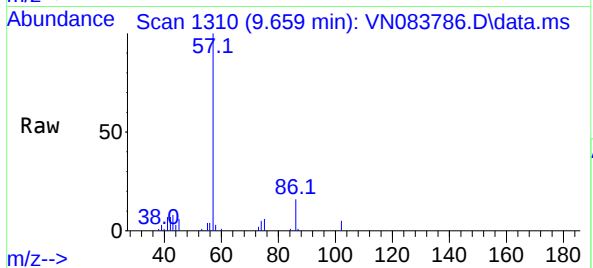
Lab File: VN083786.D

Acq: 11 Sep 2024 10:50

Instrument :

MSVOA_N

ClientSampleId :



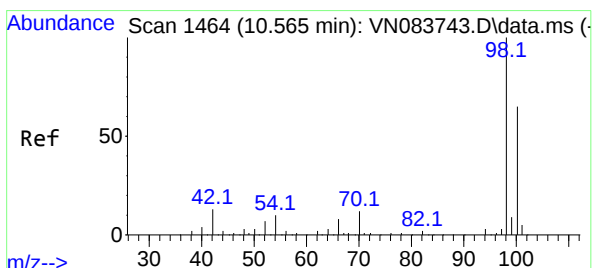
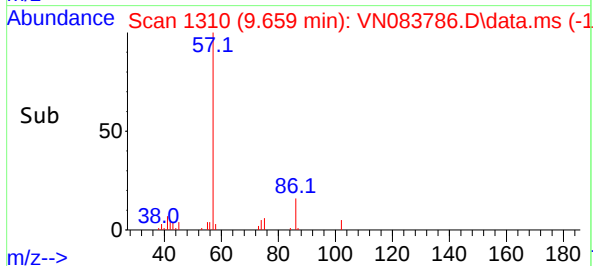
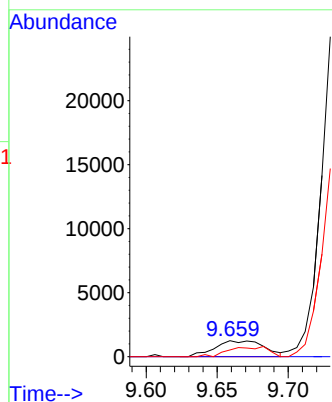
Tgt Ion: 41 Resp: 3001

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 0.0 48.9 73.3#



#50

Toluene-d8

Concen: 50.600 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083786.D

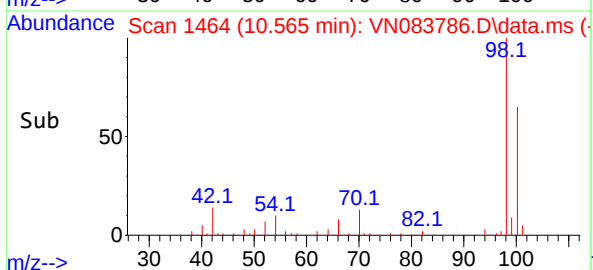
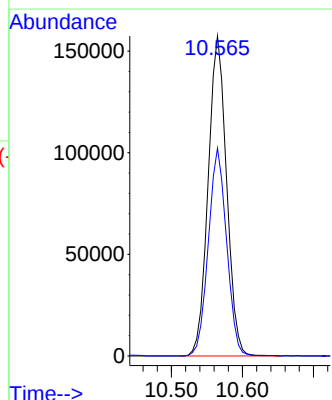
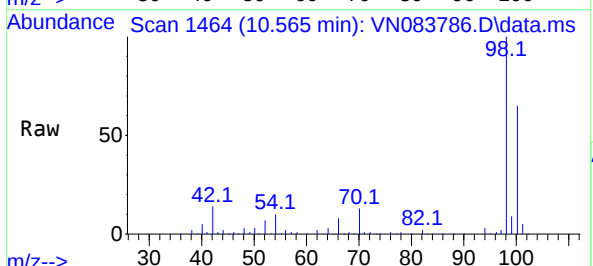
Acq: 11 Sep 2024 10:50

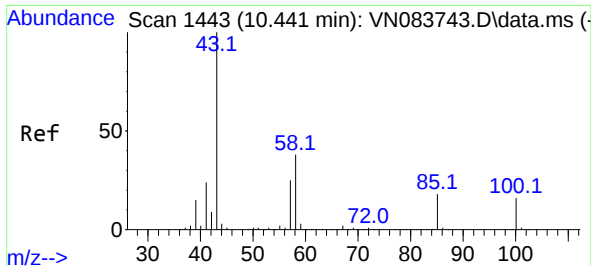
Tgt Ion: 98 Resp: 283492

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 3.936 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN083786.D

Acq: 11 Sep 2024 10:50

Instrument :

MSVOA_N

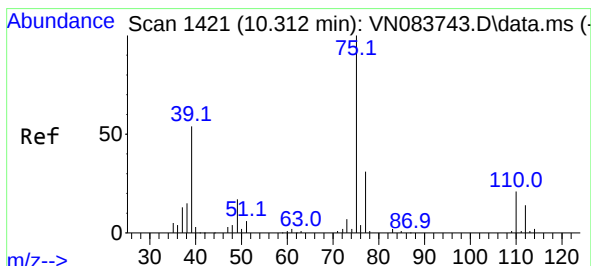
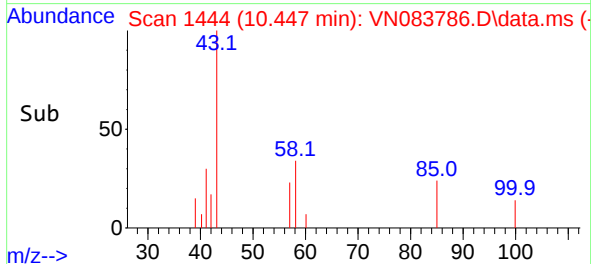
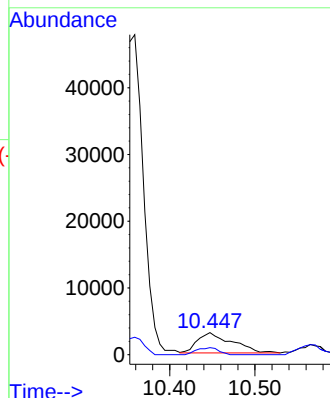
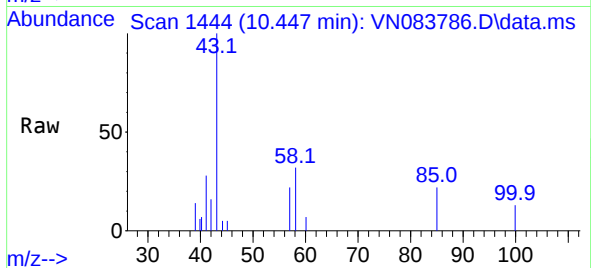
ClientSampleId :

Tgt Ion: 43 Resp: 8596

Ion Ratio Lower Upper

43 100

58 21.9 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 12.877 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN083786.D

Acq: 11 Sep 2024 10:50

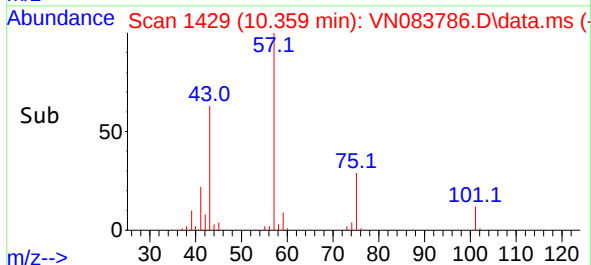
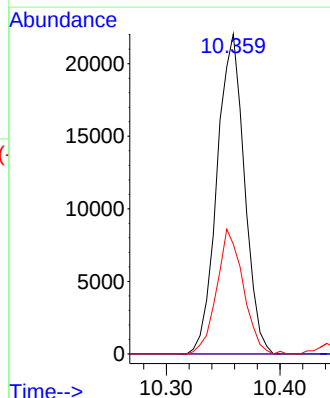
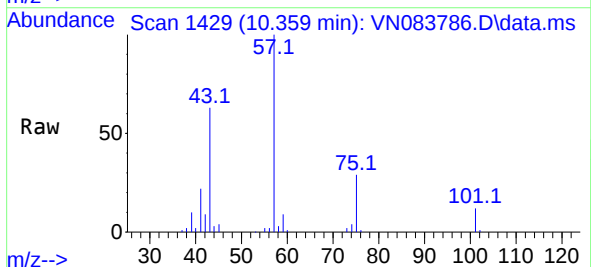
Tgt Ion: 75 Resp: 36880

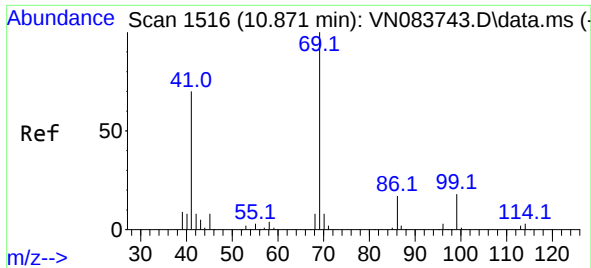
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

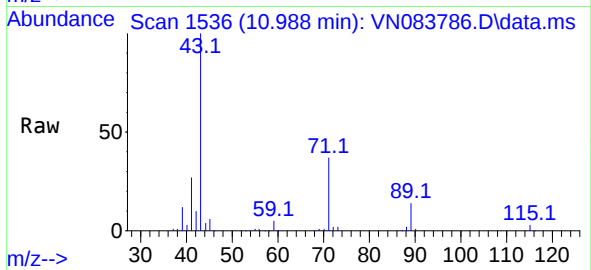
39 34.3 42.6 64.0#



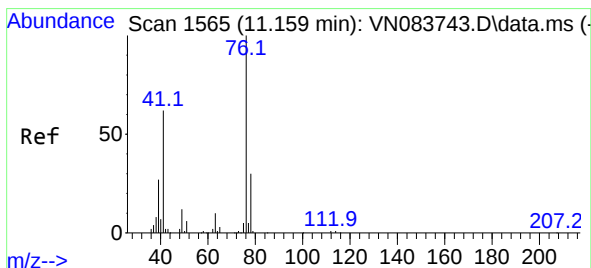
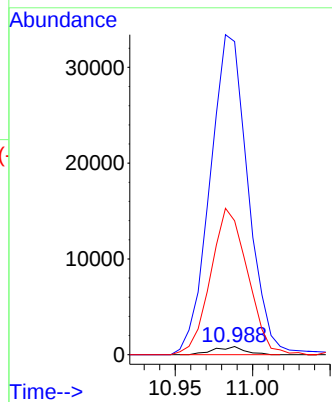
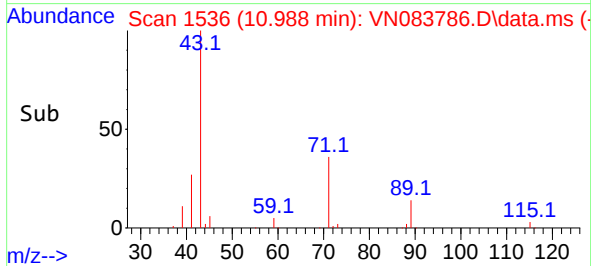


#56
Ethyl methacrylate
Concen: 0.450 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

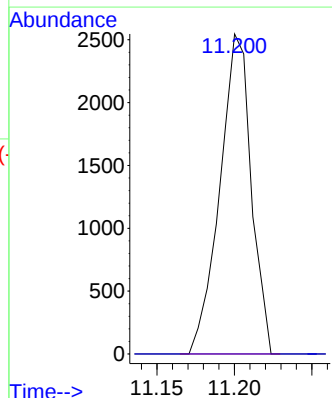
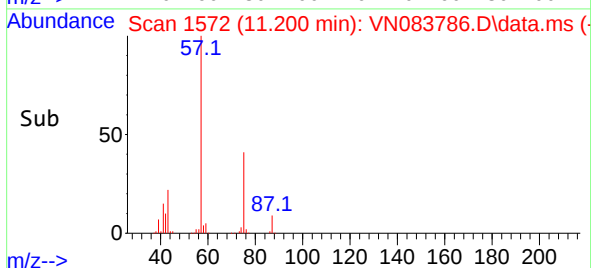
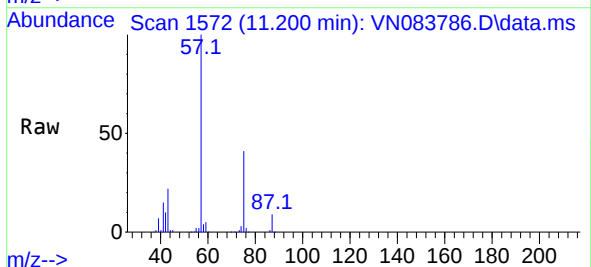


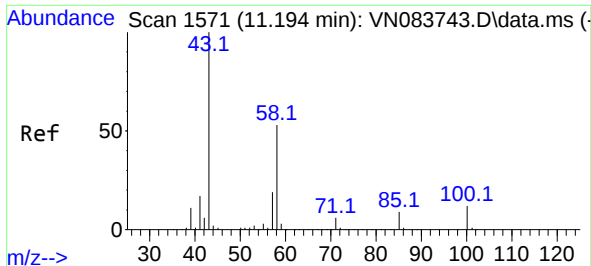
Tgt Ion: 69 Resp: 1162
Ion Ratio Lower Upper
69 100
41 4929.3 53.9 80.9#
39 2189.2 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.243 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 76 Resp: 3582
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

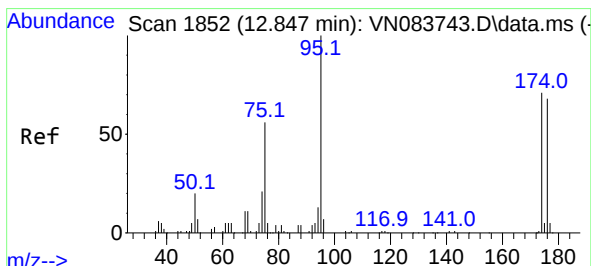
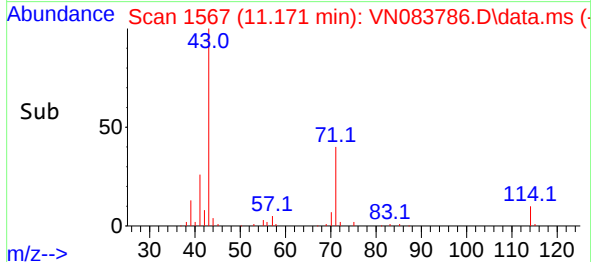
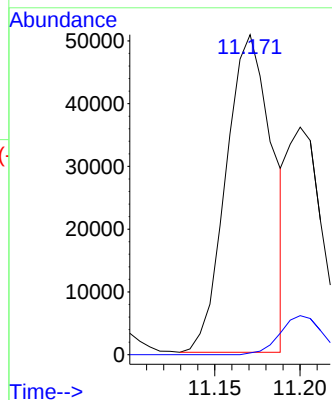
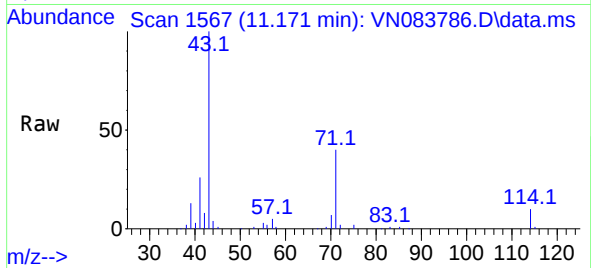




#59
2-Hexanone
Concen: 59.025 ug/l
RT: 11.171 min Scan# 1157
Delta R.T. -0.023 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

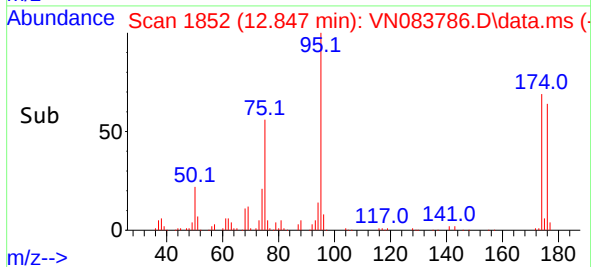
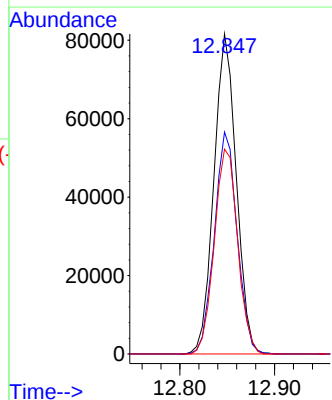
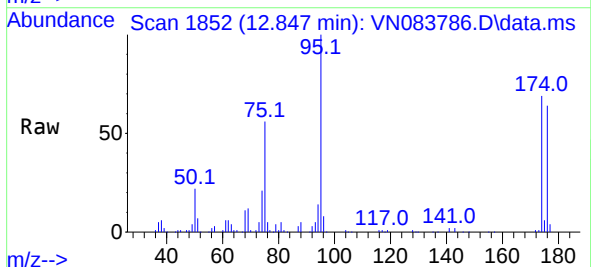
Instrument :
MSVOA_N
ClientSampleId :

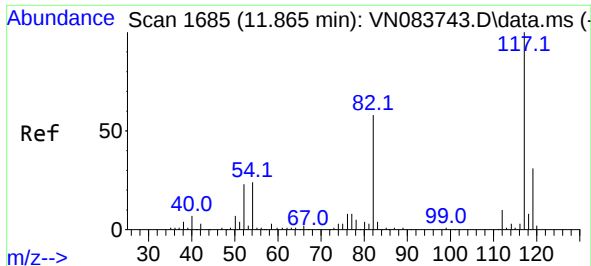
Tgt Ion: 43 Resp: 95362
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 57.940 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Tgt Ion: 95 Resp: 133927
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 66.8 0.0 131.4

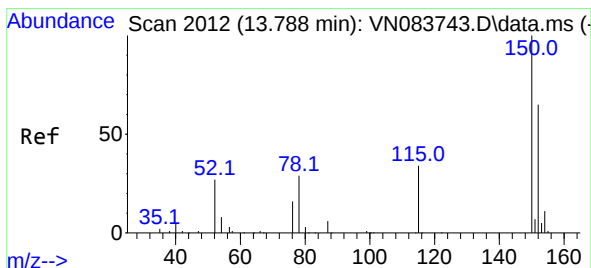
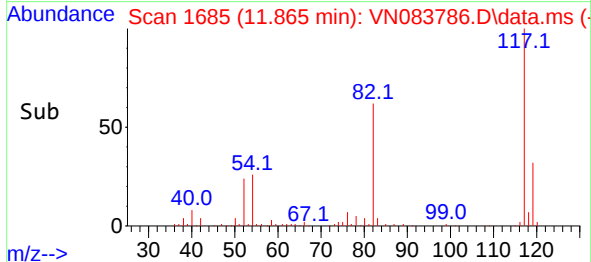
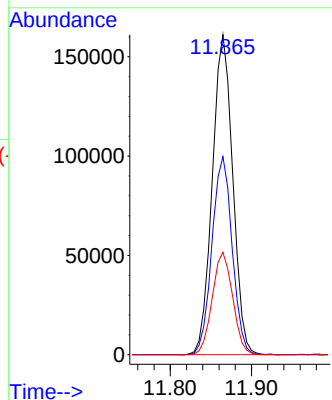
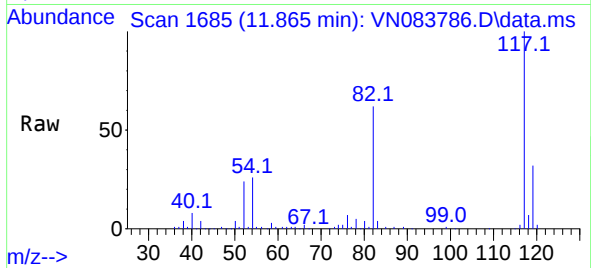




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

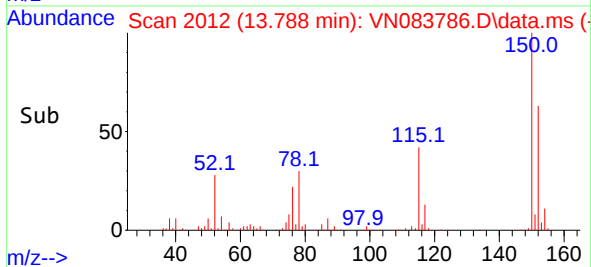
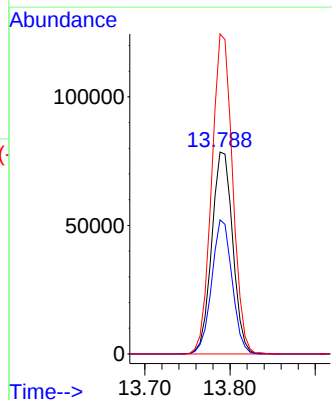
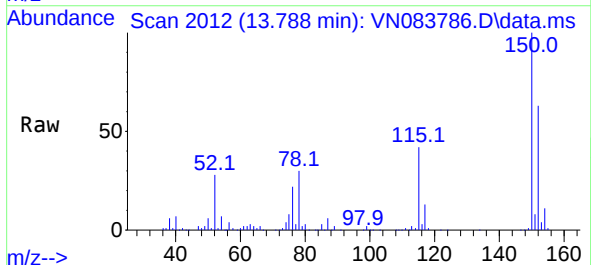
Instrument :
MSVOA_N
ClientSampleId :

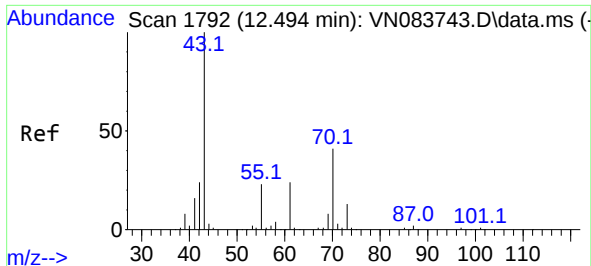
Tgt Ion:117 Resp: 282340
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

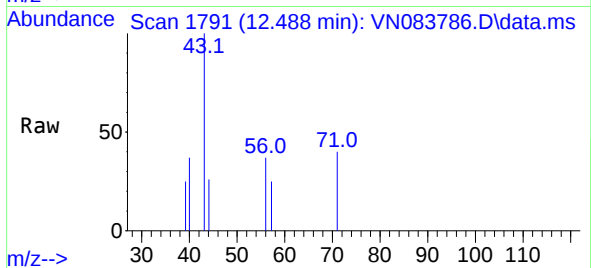
Tgt Ion:152 Resp: 134617
Ion Ratio Lower Upper
152 100
115 64.4 32.2 96.6
150 157.5 0.0 348.6



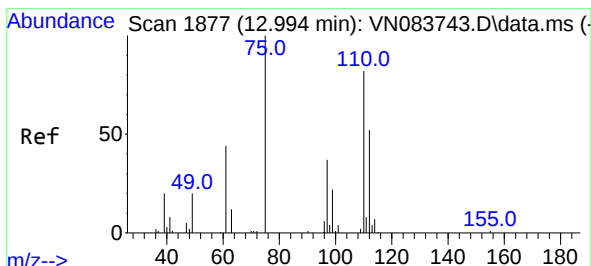
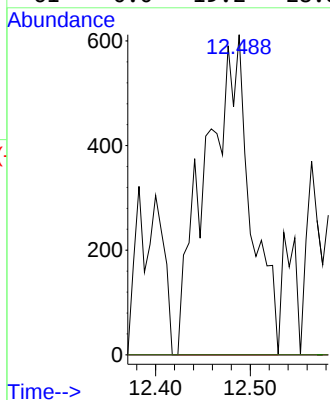
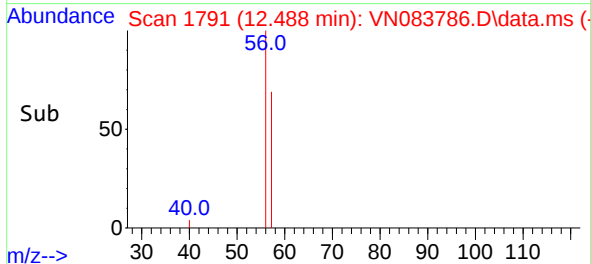


#74
N-amy1 acetate
Concen: 0.453 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :

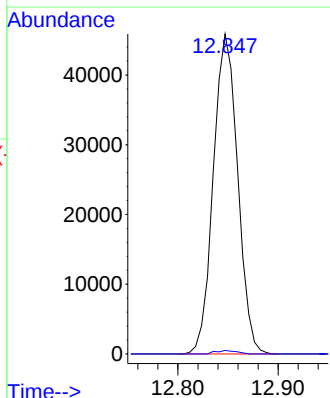
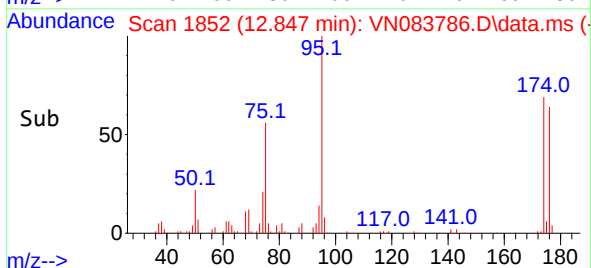
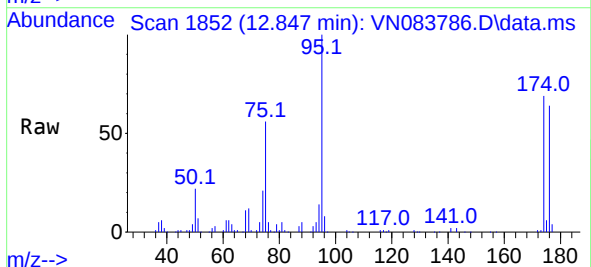


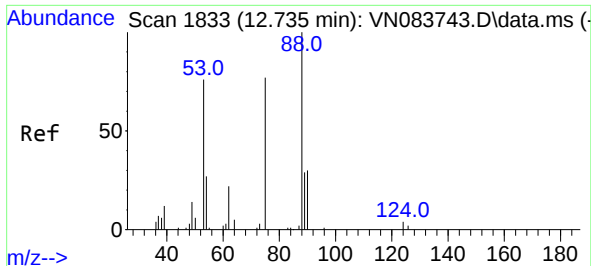
Tgt Ion: 43	Resp:	2011
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.5 51.7#
55	0.0	18.6 28.0#
61	0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 28.451 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

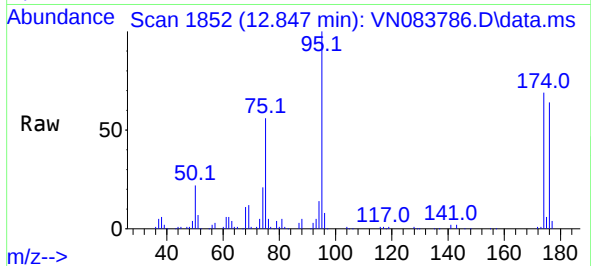
Tgt Ion: 75	Resp:	77281
Ion	Ratio	Lower Upper
75	100	
77	0.9	95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.515 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083786.D
Acq: 11 Sep 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 77281
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

