

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084142.D
 Acq On : 24 Sep 2024 18:19
 Operator : JC\MD
 Sample : P4116-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 25 01:38:44 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

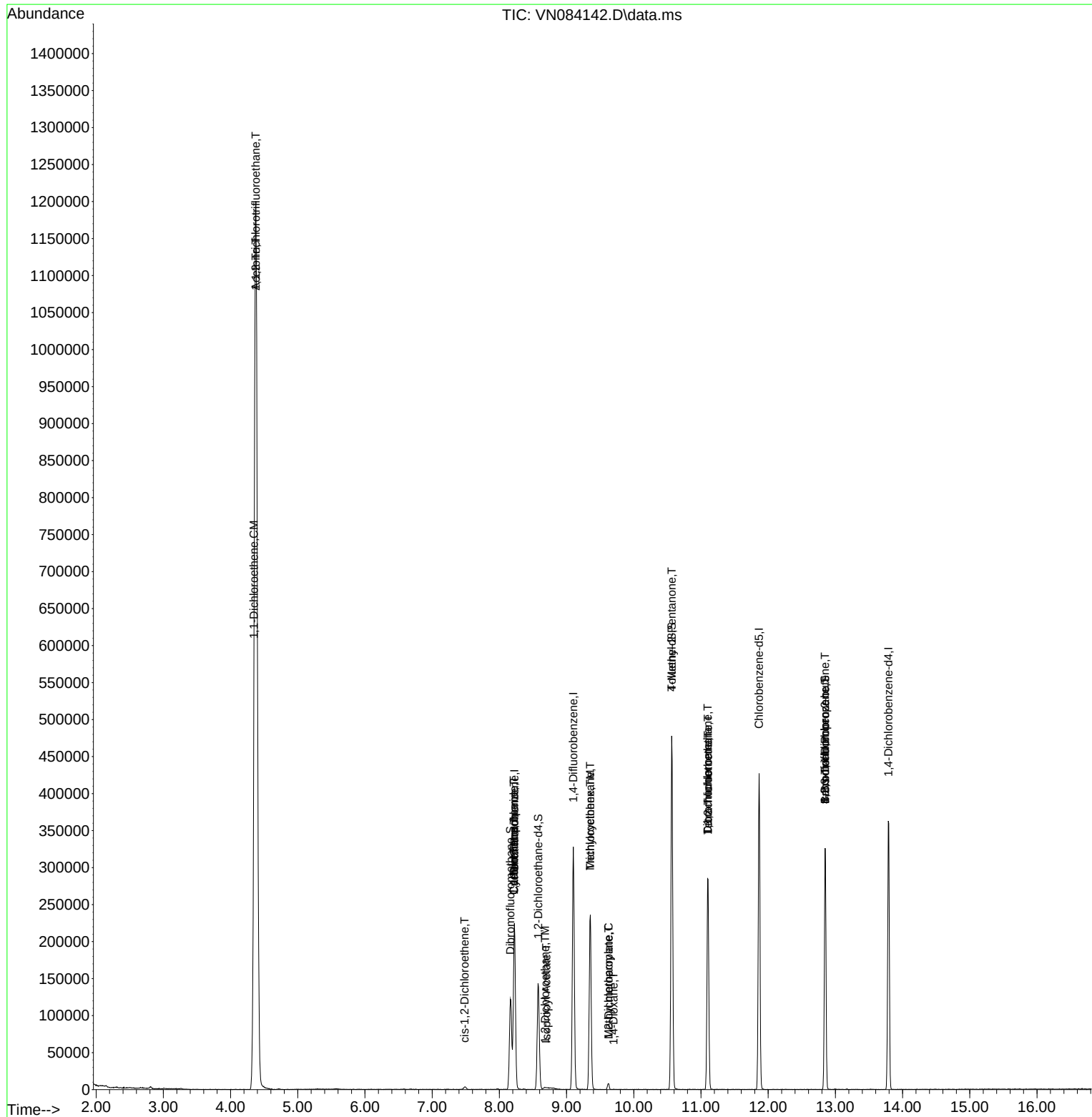
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	149493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118447	52.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.100%	
35) Dibromofluoromethane	8.165	113	88630	52.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	10.565	98	319725	54.511	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.020%	
62) 4-Bromofluorobenzene	12.847	95	114203	47.194	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	556	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	842566	492.120	ug/l	99
12) 1,1-Dichloroethene	4.347	96	2851	1.763	ug/l #	64
16) Acetone	4.377	43	10222	11.312	ug/l #	78
18) Methyl Acetate	4.747	43	58	Below Cal	#	52
27) cis-1,2-Dichloroethene	7.482	96	2394	1.164	ug/l	84
31) Cyclohexane	8.218	56	3781	1.161	ug/l #	19
36) 1,1-Dichloropropene	8.218	75	14274	5.590	ug/l #	50
38) Carbon Tetrachloride	8.218	117	18214	6.287	ug/l #	16
39) Methylcyclohexane	9.353	83	1092	0.376	ug/l #	1
42) 1,2-Dichloroethane	8.682	62	880	0.306	ug/l #	77
43) Isopropyl Acetate	8.700	43	2846	0.678	ug/l #	57
44) Trichloroethene	9.353	130	82187	46.175	ug/l	97
45) 1,2-Dichloropropane	9.624	63	3383	1.821	ug/l #	80
48) Methyl methacrylate	9.624	41	1800	0.903	ug/l #	31
49) 1,4-Dioxane	9.700	88	72	2.196	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1541	0.674	ug/l #	1
55) 1,1,2-Trichloroethane	11.106	97	576	0.328	ug/l #	16
60) Dibromochloromethane	11.100	129	63104	32.126	ug/l #	10
64) Tetrachloroethene	11.106	164	65125	42.893	ug/l	93
71) Bromoform	12.847	173	466	0.393	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	60957	31.841	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60957	83.393	ug/l #	9

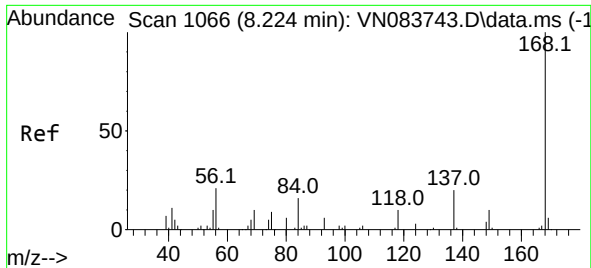
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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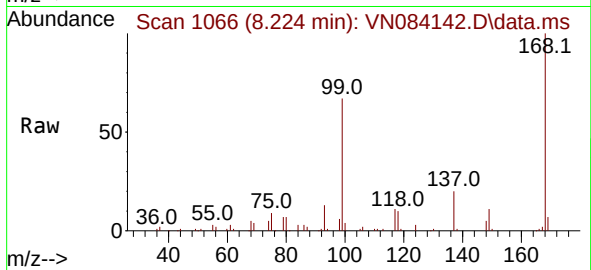
Quant Time: Sep 25 01:38:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



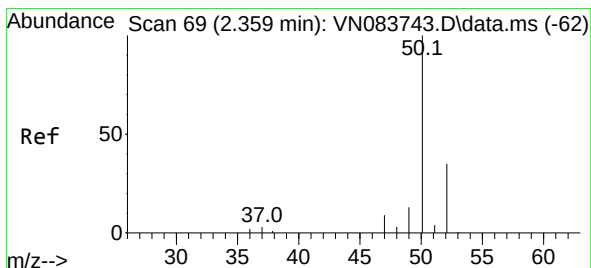
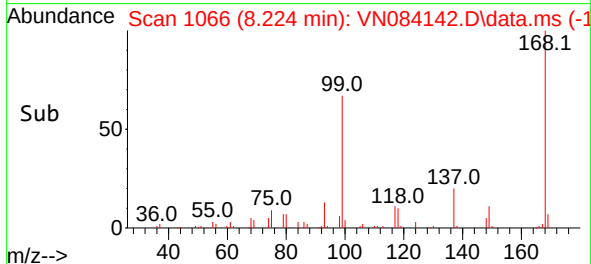
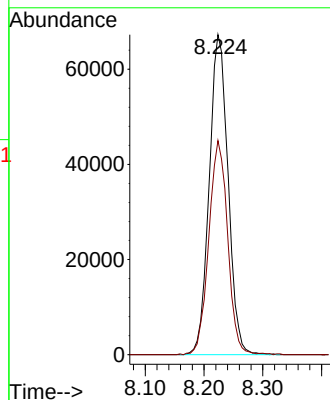


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

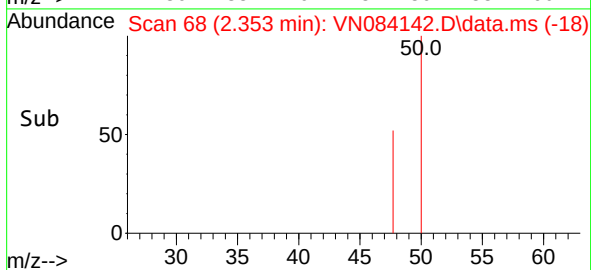
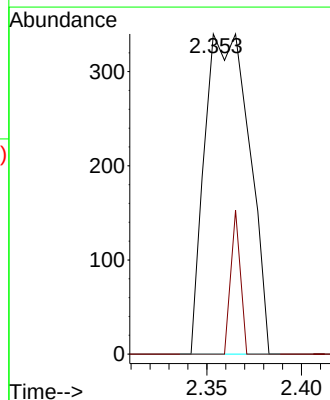
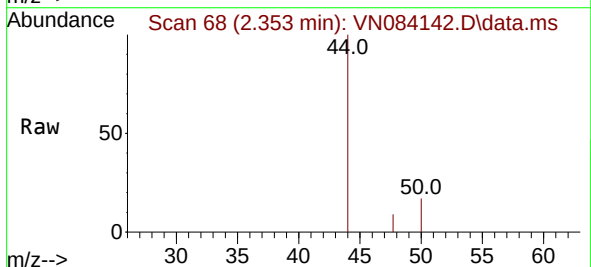


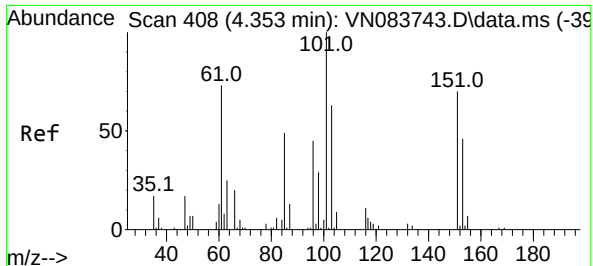
Tgt Ion:168 Resp: 149493
Ion Ratio Lower Upper
168 100
99 66.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Tgt Ion: 50 Resp: 556
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

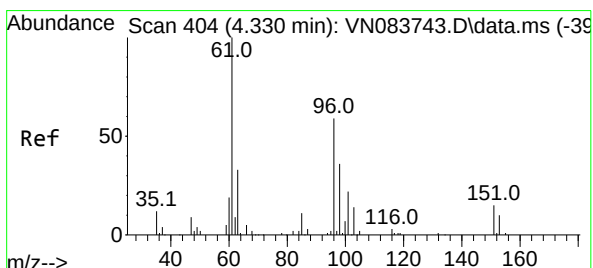
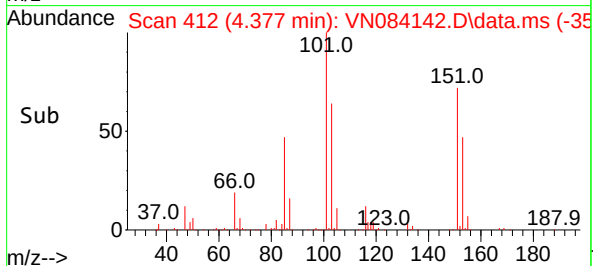
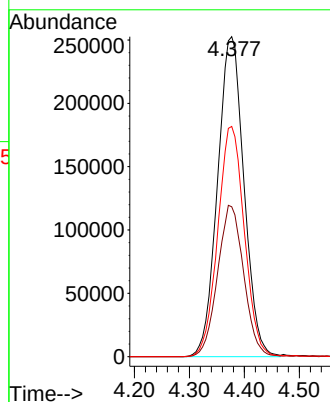
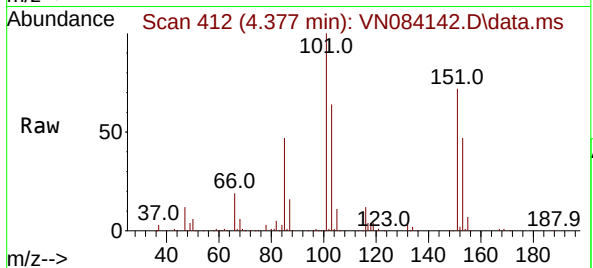




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 492.120 ug/l
 RT: 4.377 min Scan# 412
 Delta R.T. 0.023 min
 Lab File: VN084142.D
 Acq: 24 Sep 2024 18:19

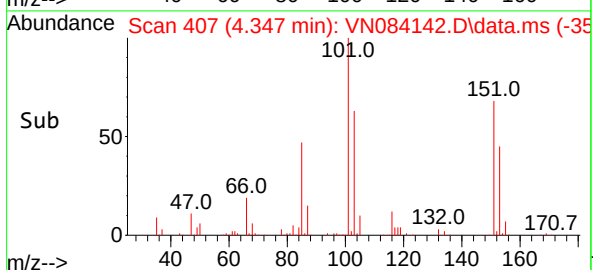
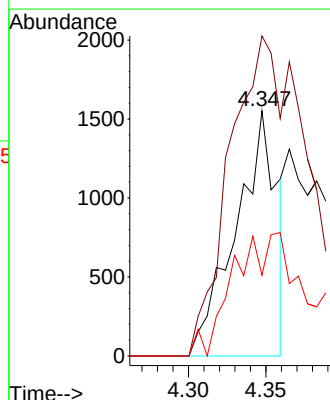
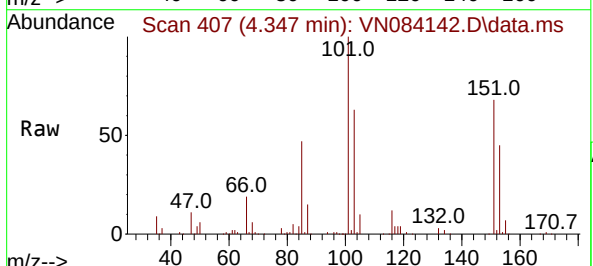
Instrument :
 MSVOA_N
 ClientSampleId :

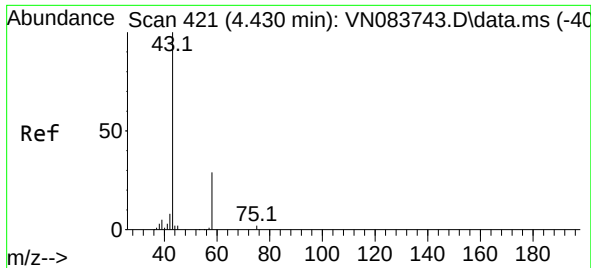
Tgt Ion:101 Resp: 842566
 Ion Ratio Lower Upper
 101 100
 85 46.8 36.2 54.4
 151 72.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 1.763 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN084142.D
 Acq: 24 Sep 2024 18:19

Tgt Ion: 96 Resp: 2851
 Ion Ratio Lower Upper
 96 100
 61 130.5 143.4 215.0#
 98 32.9 52.7 79.1#

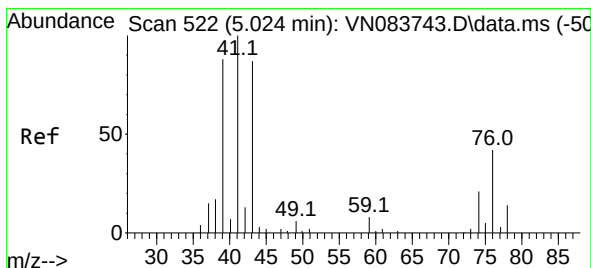
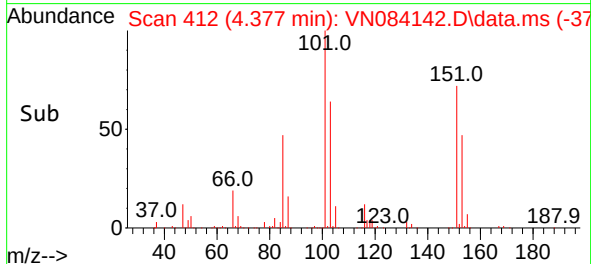
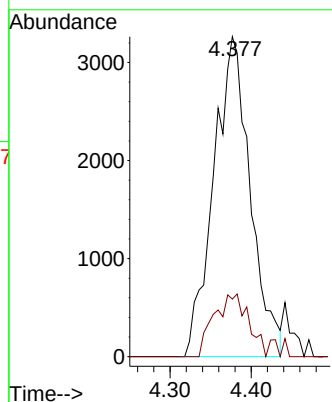
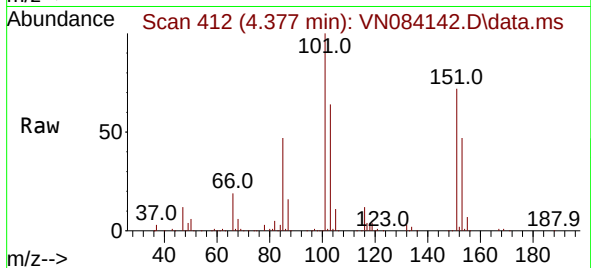




#16
Acetone
Concen: 11.312 ug/l
RT: 4.377 min Scan# 41
Delta R.T. -0.053 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

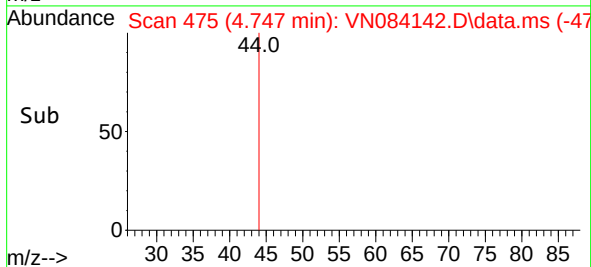
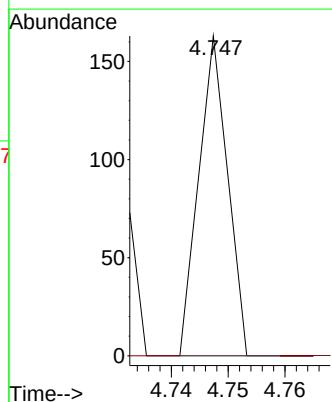
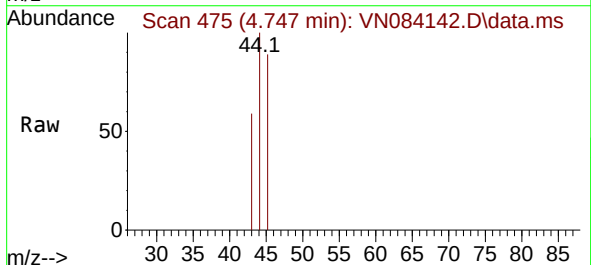
Instrument :
MSVOA_N
ClientSampleId :

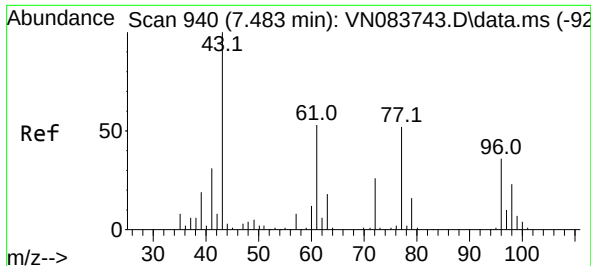
Tgt Ion: 43 Resp: 10222
Ion Ratio Lower Upper
43 100
58 18.0 23.7 35.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.747 min Scan# 475
Delta R.T. -0.277 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

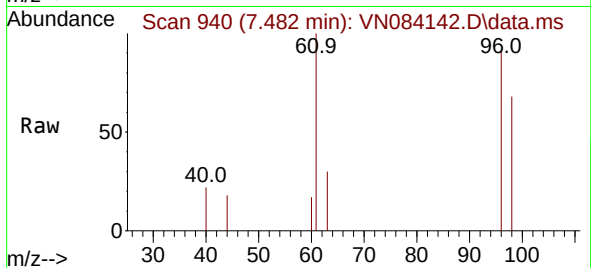
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



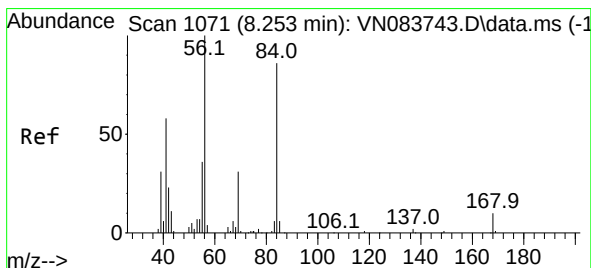
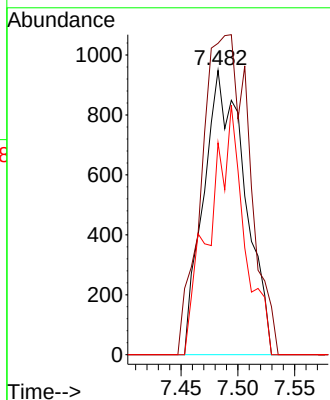
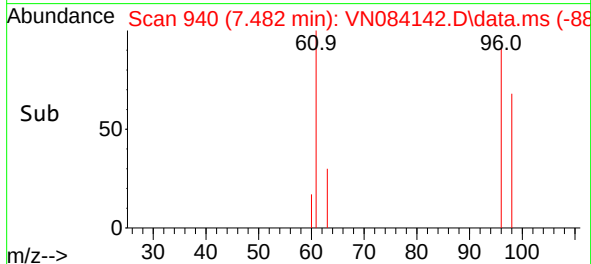


#27
 cis-1,2-Dichloroethene
 Concen: 1.164 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN084142.D
 Acq: 24 Sep 2024 18:19

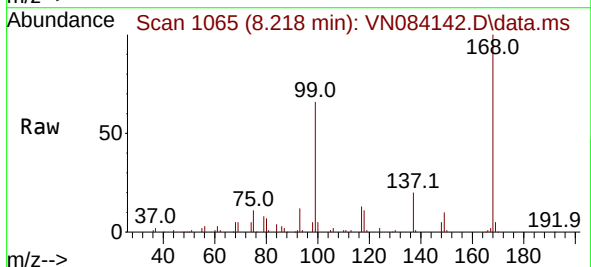
Instrument :
 MSVOA_N
 ClientSampleId :



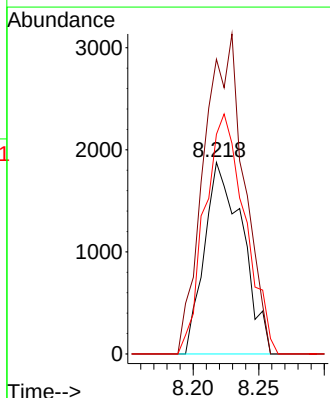
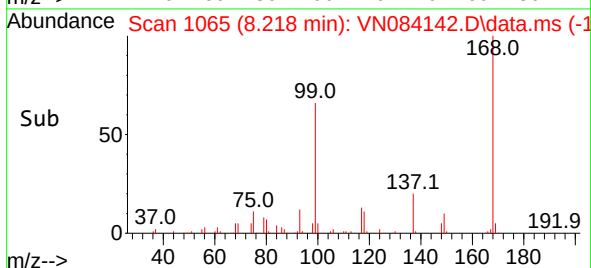
Tgt Ion: 96	Resp: 2394
Ion Ratio	Lower Upper
96 100	
61 130.4	0.0 306.2
98 73.9	0.0 128.6

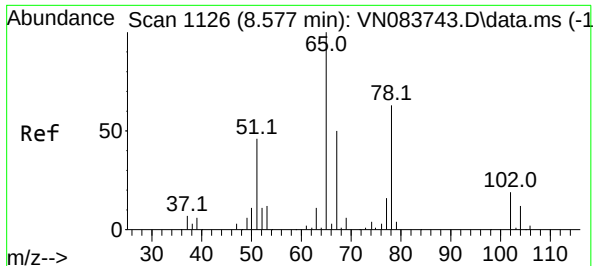


#31
 Cyclohexane
 Concen: 1.161 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN084142.D
 Acq: 24 Sep 2024 18:19



Tgt Ion: 56	Resp: 3781
Ion Ratio	Lower Upper
56 100	
69 153.8	26.9 40.3#
84 114.7	69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 52.546 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

Instrument :

MSVOA_N

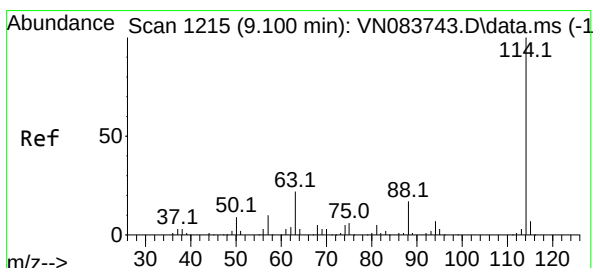
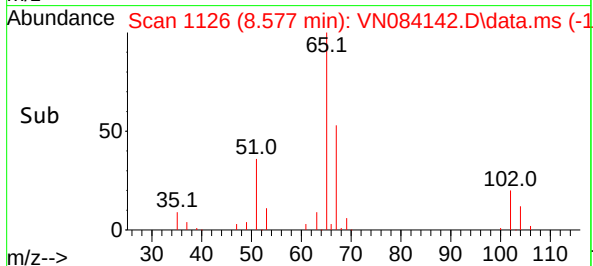
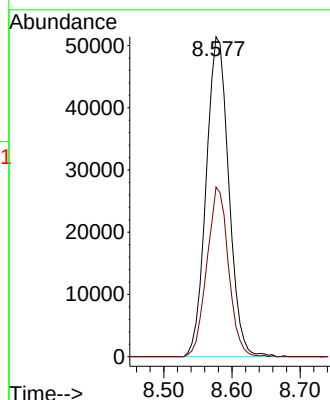
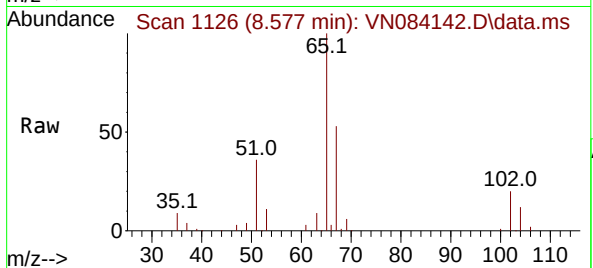
ClientSampleId :

Tgt Ion: 65 Resp: 118447

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

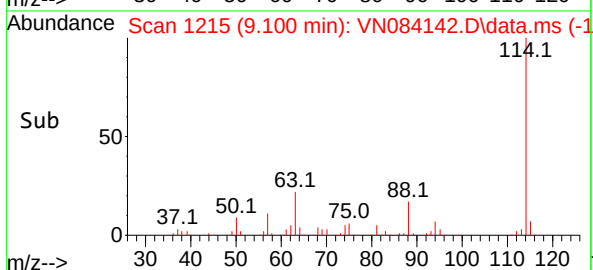
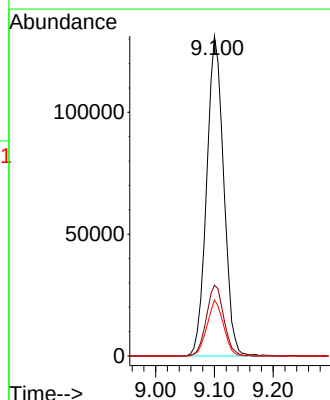
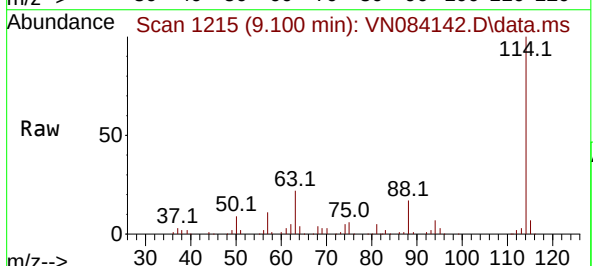
Tgt Ion: 114 Resp: 265018

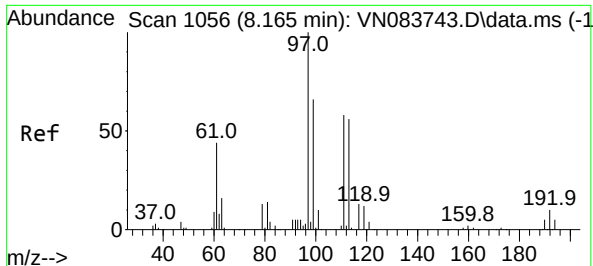
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

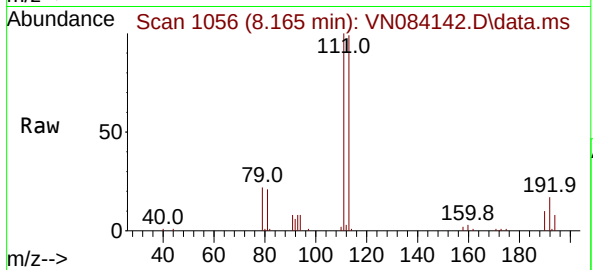
88 17.5 0.0 32.6



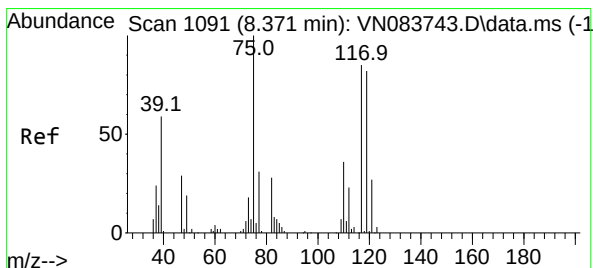
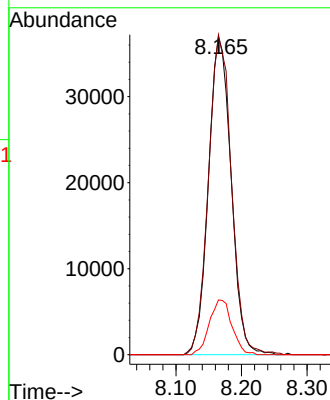
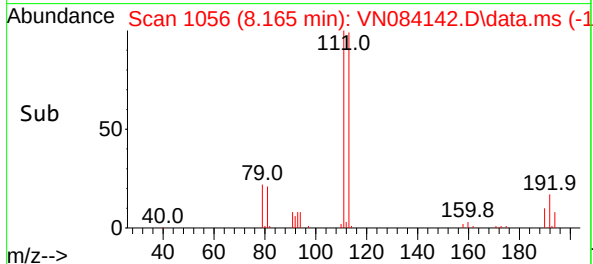


#35
Dibromofluoromethane
Concen: 52.239 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Instrument :
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ClientSampleId :

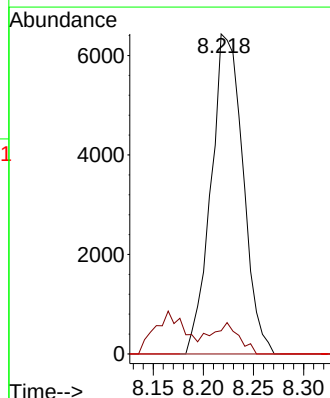
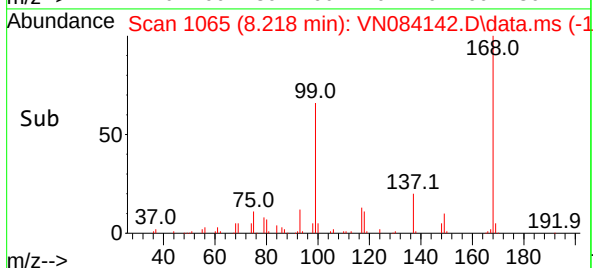
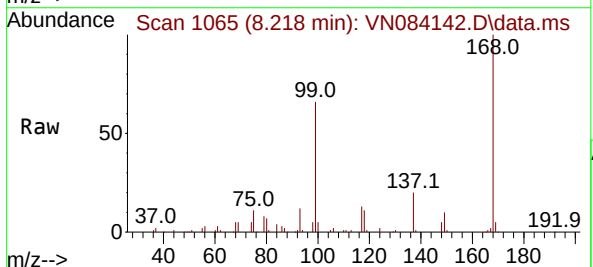


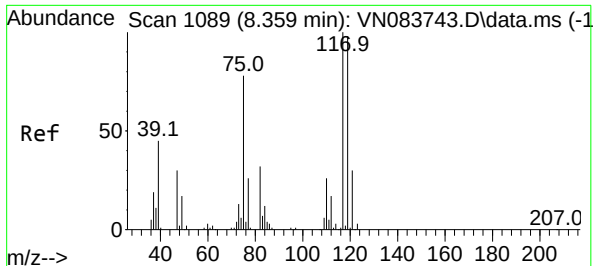
Tgt Ion:113 Resp: 88630
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.590 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

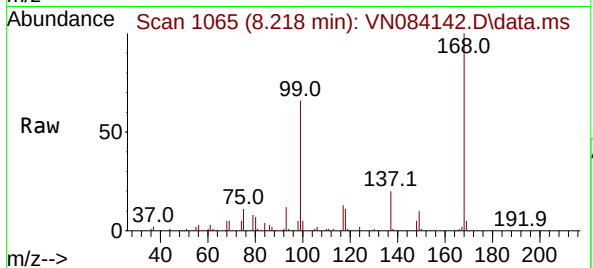
Tgt Ion: 75 Resp: 14274
Ion Ratio Lower Upper
75 100
110 8.7 16.7 50.1#
77 0.0 25.2 37.8#



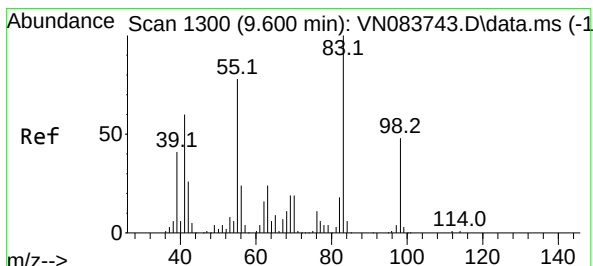
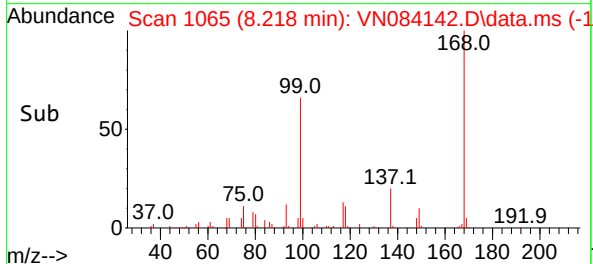
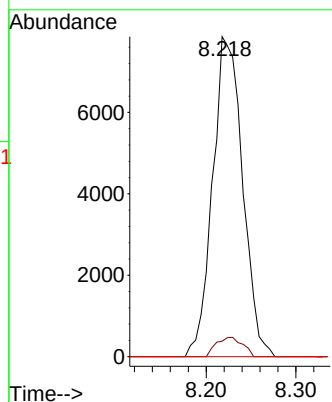


#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 8.218 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

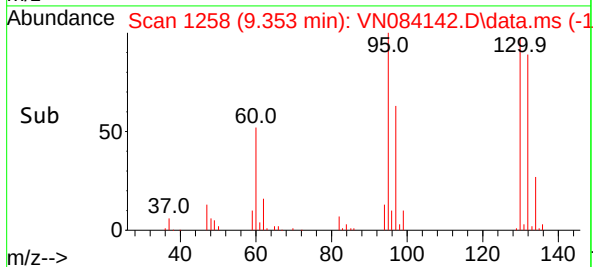
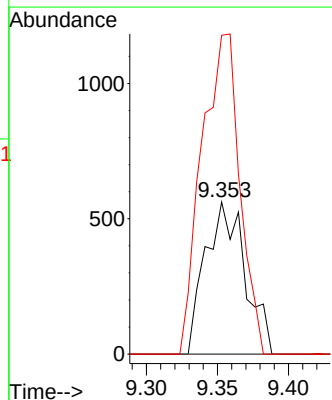
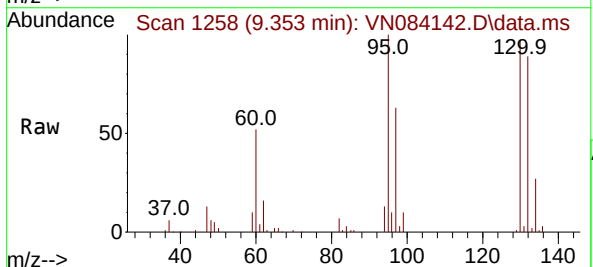


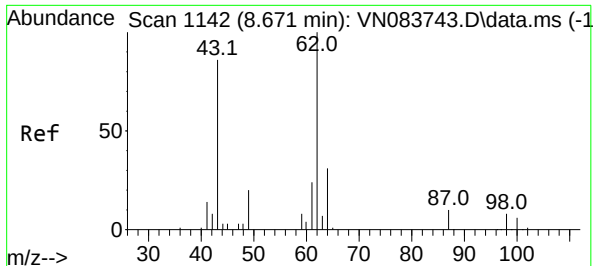
Tgt Ion:117 Resp: 18214
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.376 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Tgt Ion: 83 Resp: 1092
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 209.6 37.6 56.4#





#42

1,2-Dichloroethane

Concen: 0.306 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

Instrument :

MSVOA_N

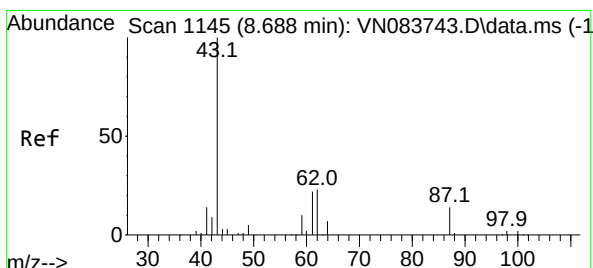
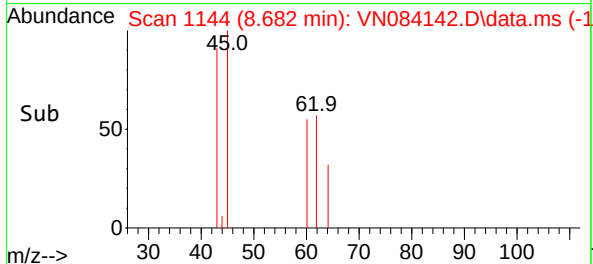
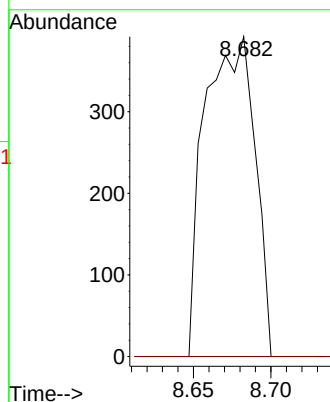
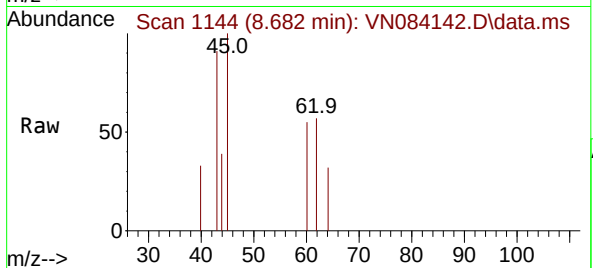
ClientSampleId :

Tgt Ion: 62 Resp: 880

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 0.678 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.012 min

Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

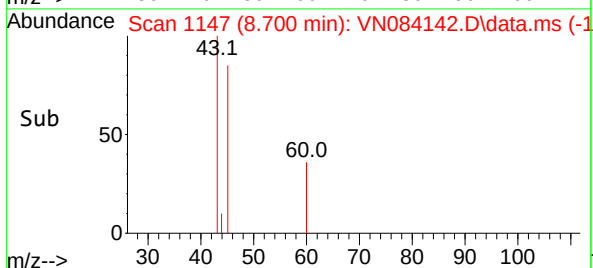
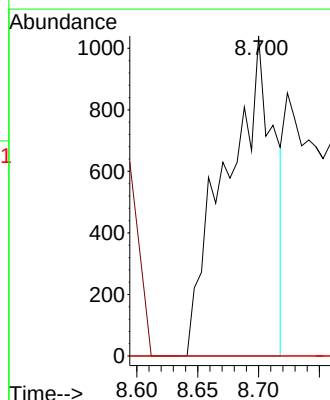
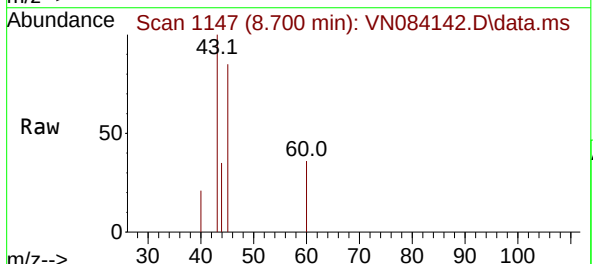
Tgt Ion: 43 Resp: 2846

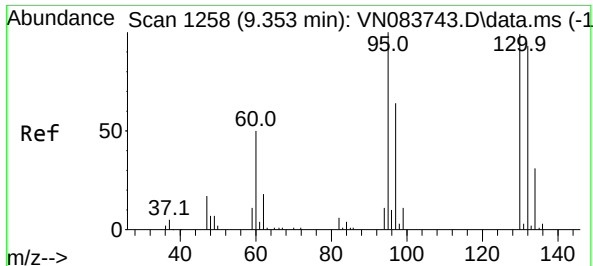
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

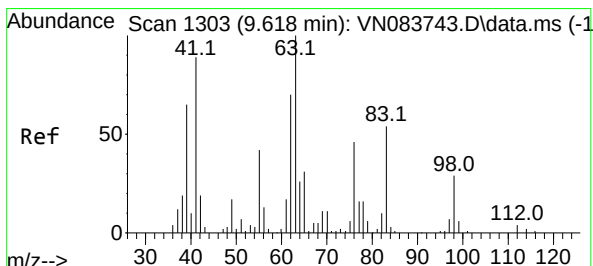
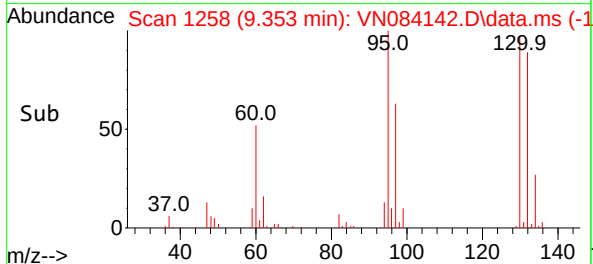
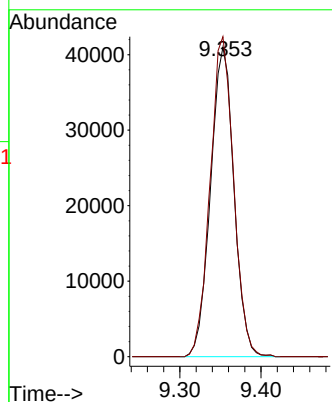
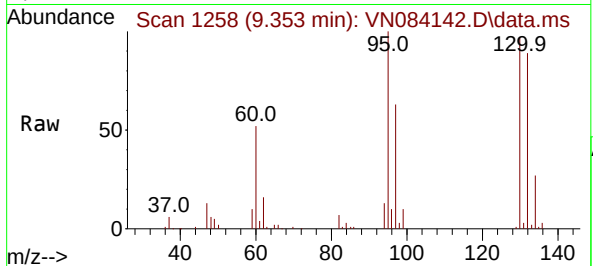




#44
Trichloroethene
Concen: 46.175 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

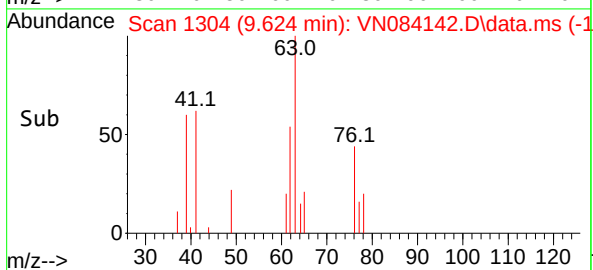
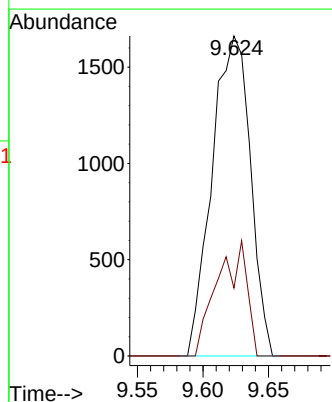
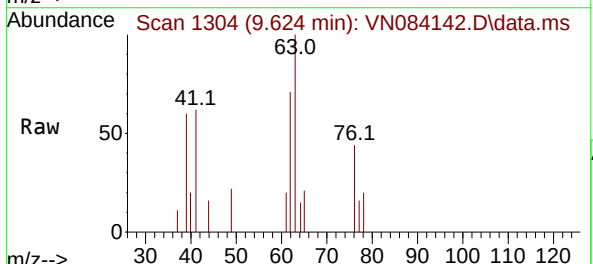
Instrument :
MSVOA_N
ClientSampleId :

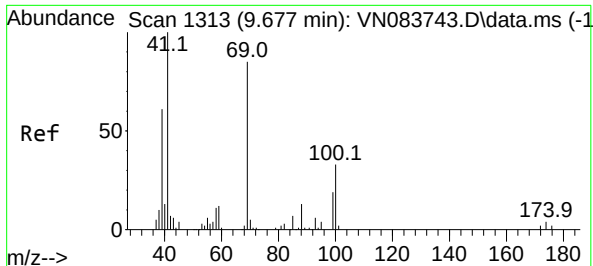
Tgt Ion:130 Resp: 82187
Ion Ratio Lower Upper
130 100
95 103.4 0.0 200.4



#45
1,2-Dichloropropane
Concen: 1.821 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Tgt Ion: 63 Resp: 3383
Ion Ratio Lower Upper
63 100
65 21.2 25.9 38.9#





#48

Methyl methacrylate

Concen: 0.903 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.053 min

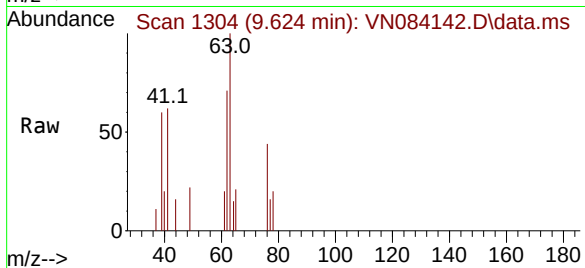
Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

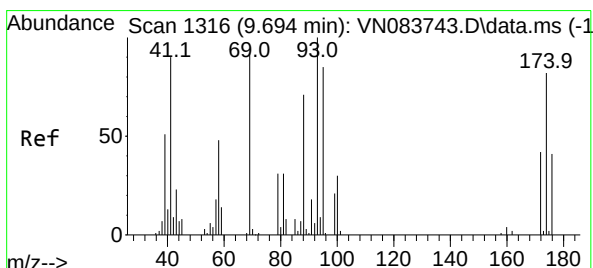
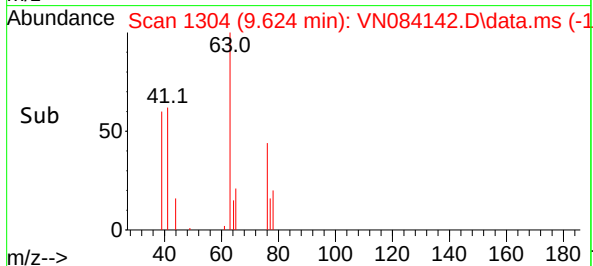
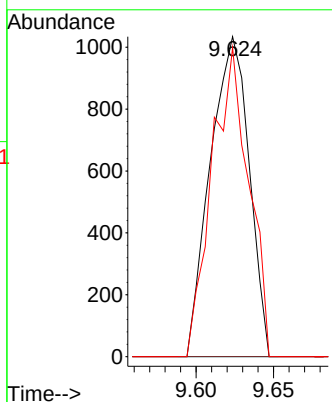
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	1800
Ion Ratio	Lower	Upper	
41	100		
69	0.0	64.3	96.5#
39	91.8	48.9	73.3#



#49

1,4-Dioxane

Concen: 2.196 ug/l

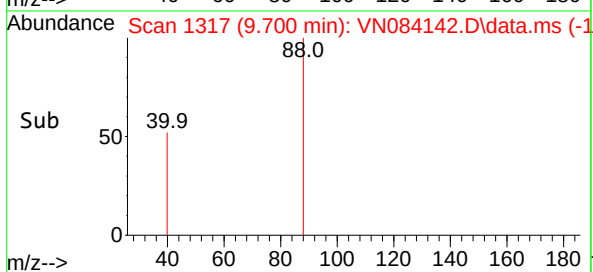
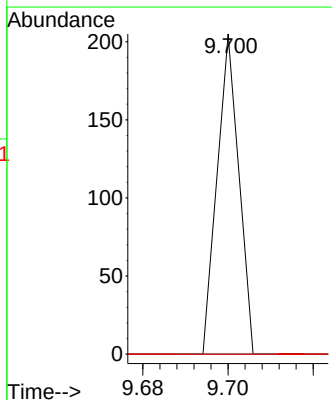
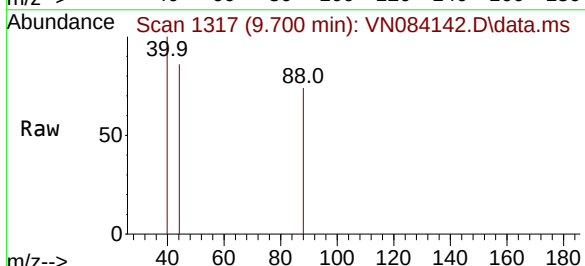
RT: 9.700 min Scan# 1317

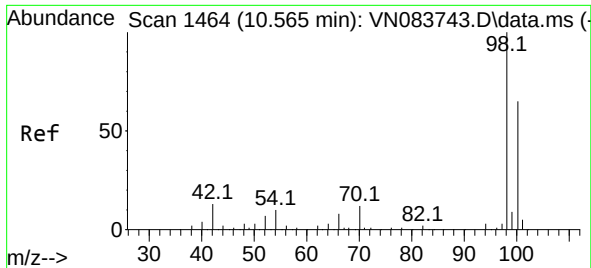
Delta R.T. 0.006 min

Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

Tgt Ion:	88	Resp:	72
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	0.0	57.1	85.7#

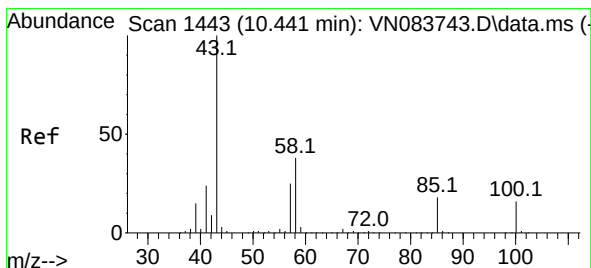
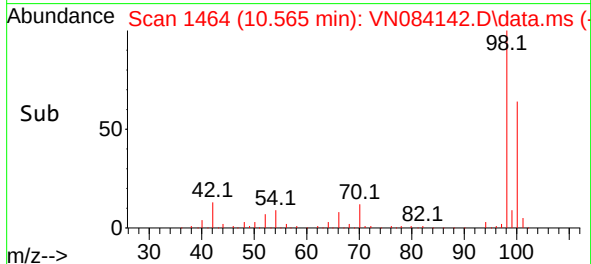
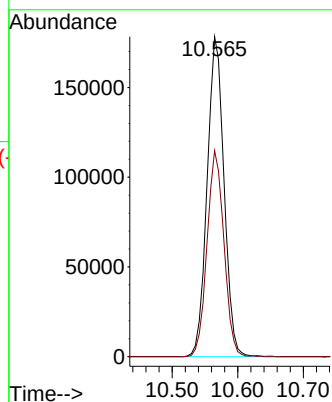
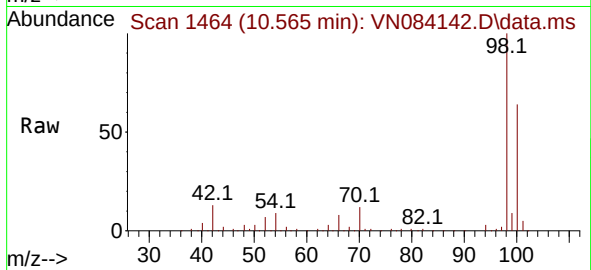




#50
Toluene-d8
Concen: 54.511 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

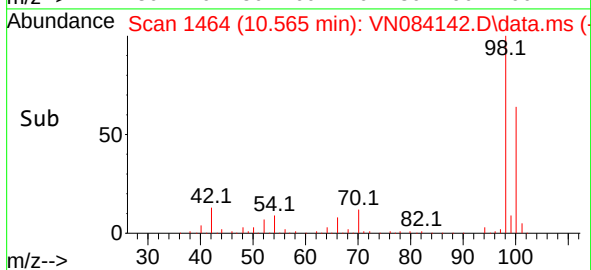
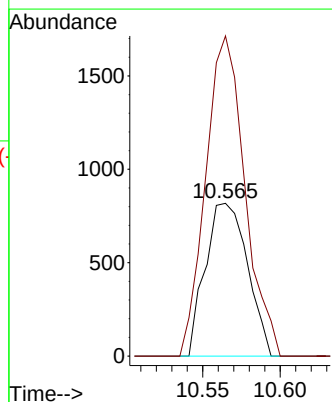
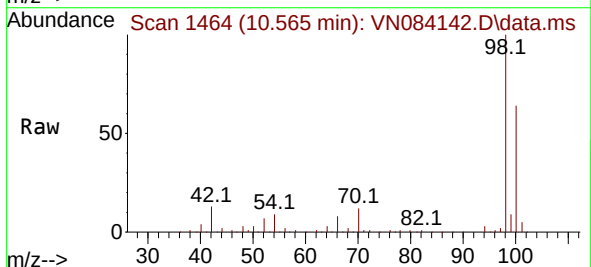
Instrument :
MSVOA_N
ClientSampleId :

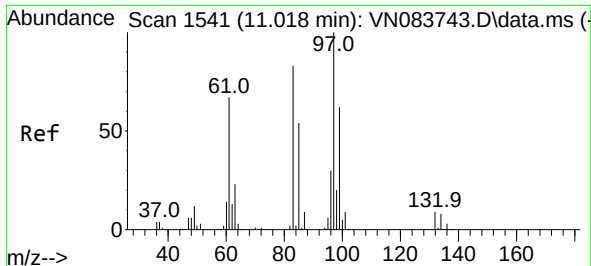
Tgt Ion: 98 Resp: 319725
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.674 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
58 195.3 31.6 47.4#

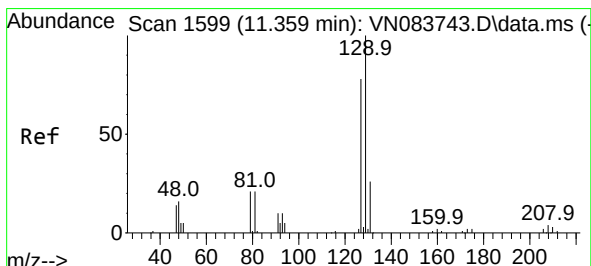
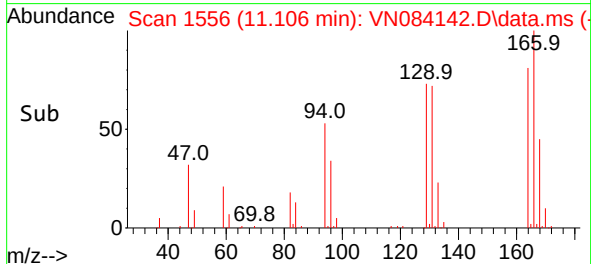
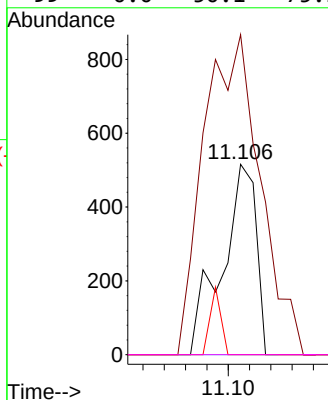
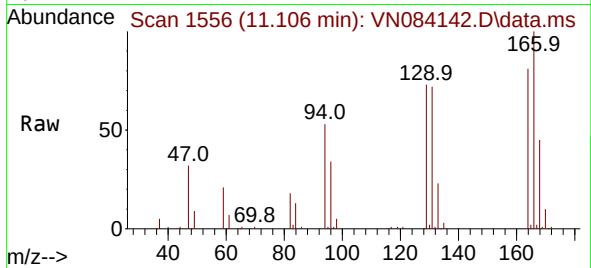




#55
 1,1,2-Trichloroethane
 Concen: 0.328 ug/l
 RT: 11.106 min Scan# 1555
 Delta R.T. 0.088 min
 Lab File: VN084142.D
 Acq: 24 Sep 2024 18:19

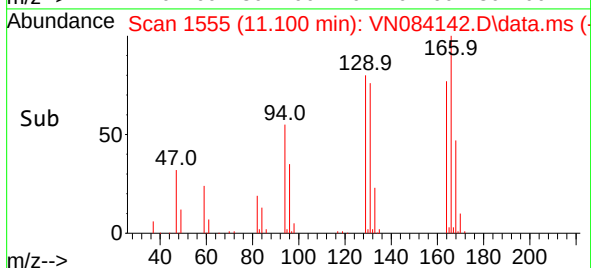
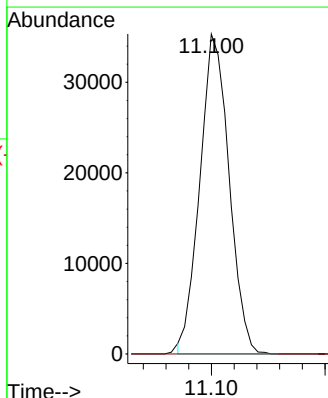
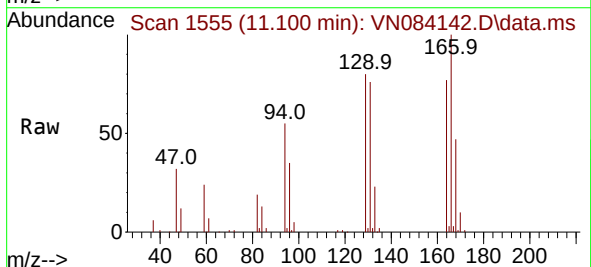
Instrument :
 MSVOA_N
 ClientSampleId :

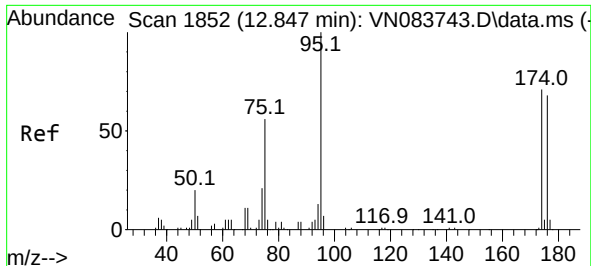
Tgt Ion: 97	Resp: 576
Ion Ratio	Lower Upper
97 100	
83 168.0	67.5 101.3#
85 0.0	44.2 66.2#
99 0.0	50.1 75.1#



#60
 Dibromochloromethane
 Concen: 32.126 ug/l
 RT: 11.100 min Scan# 1555
 Delta R.T. -0.259 min
 Lab File: VN084142.D
 Acq: 24 Sep 2024 18:19

Tgt Ion:129	Resp: 63104		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	39.0	116.9#	

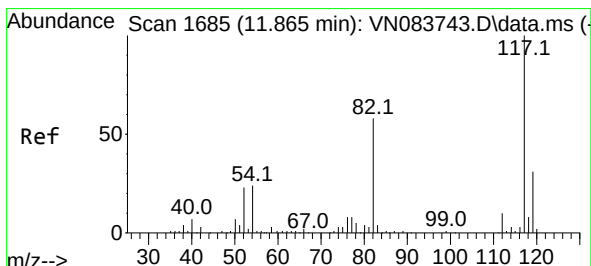
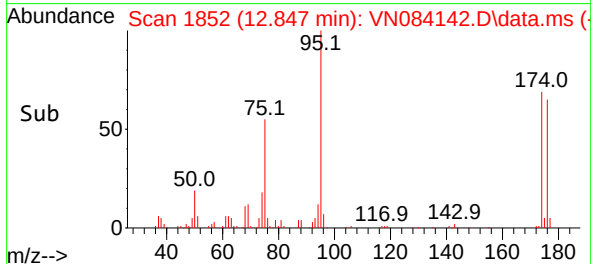
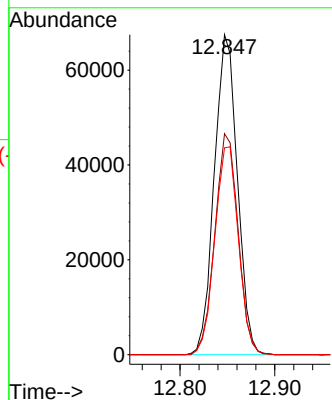
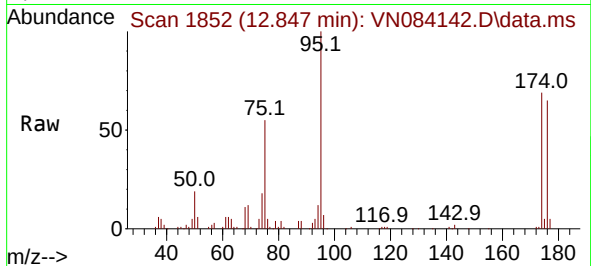




#62
4-Bromofluorobenzene
Concen: 47.194 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

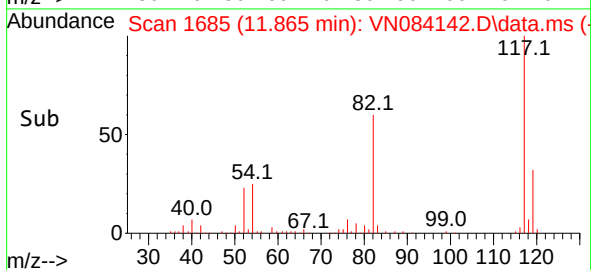
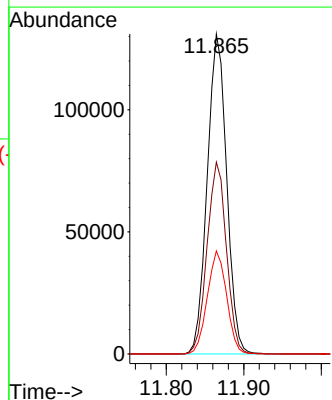
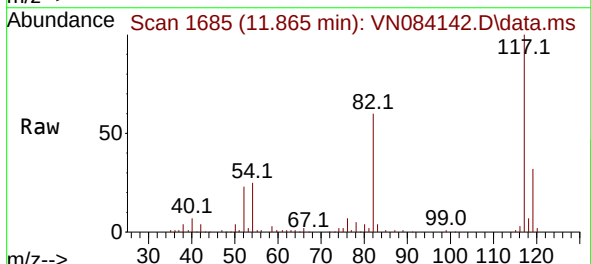
Instrument :
MSVOA_N
ClientSampleId :

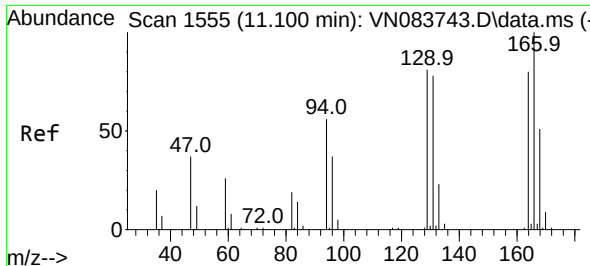
Tgt Ion: 95 Resp: 114203
Ion Ratio Lower Upper
95 100
174 69.6 0.0 139.8
176 66.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

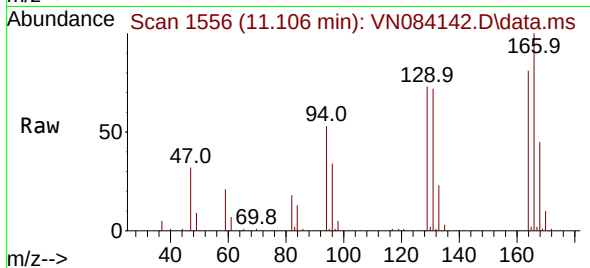
Tgt Ion: 117 Resp: 228309
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.0
119 32.2 26.3 39.5



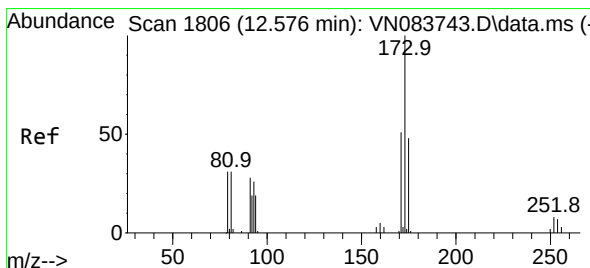
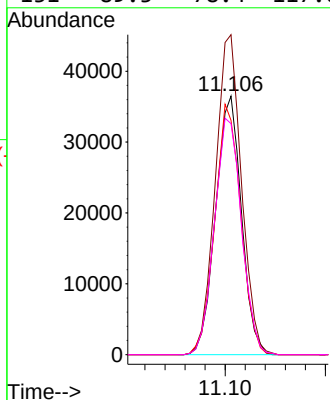
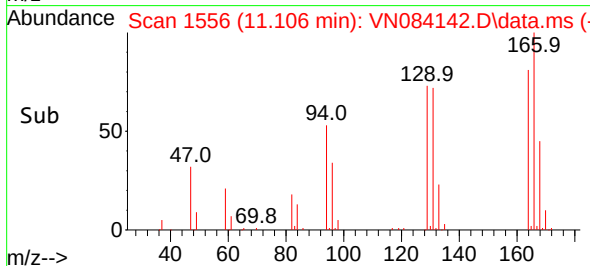


#64
Tetrachloroethene
Concen: 42.893 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

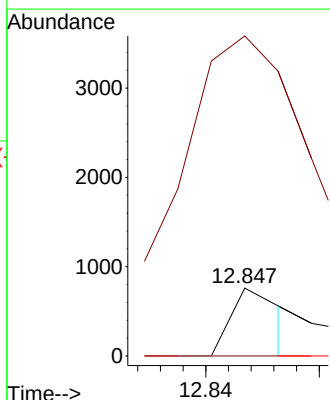
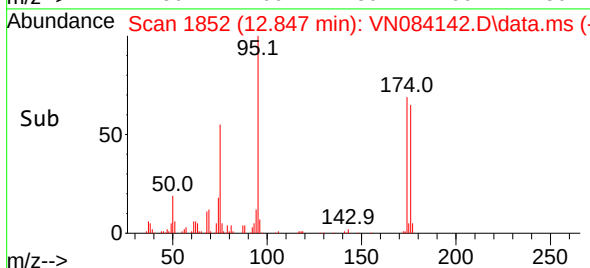
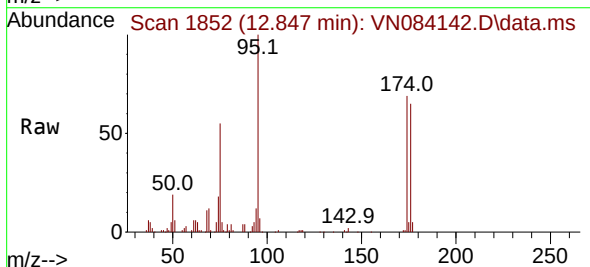


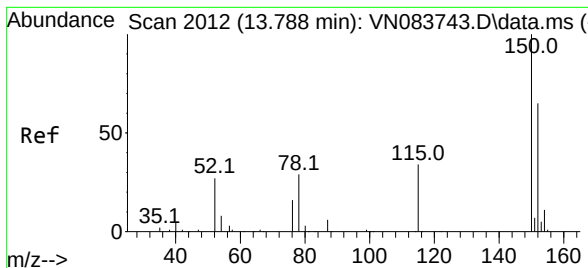
Tgt Ion:164 Resp: 65125
Ion Ratio Lower Upper
164 100
166 123.7 103.7 155.5
129 90.6 79.9 119.9
131 89.3 78.4 117.6



#71
Bromoform
Concen: 0.393 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Tgt Ion:173 Resp: 466
Ion Ratio Lower Upper
173 100
175 1001.1 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN084142.D

Acq: 24 Sep 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :

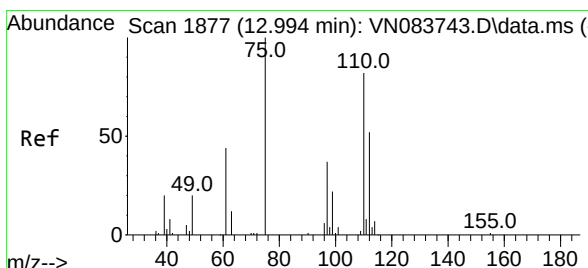
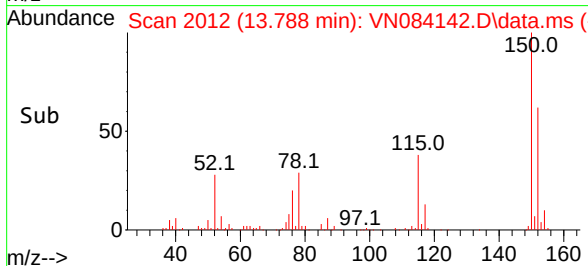
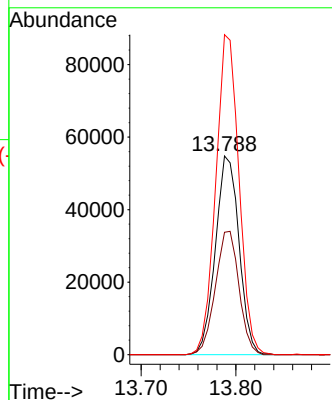
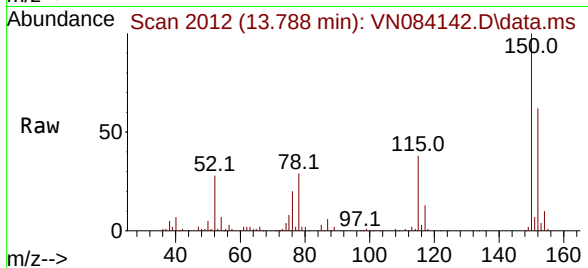
Tgt Ion:152 Resp: 94877

Ion Ratio Lower Upper

152 100

115 62.3 32.2 96.6

150 158.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 31.841 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084142.D

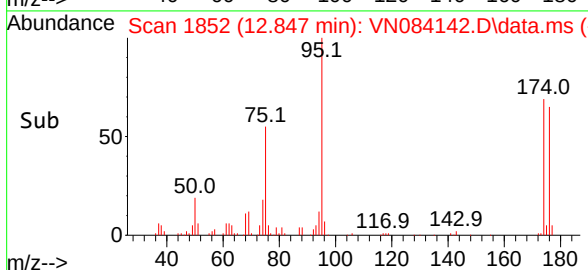
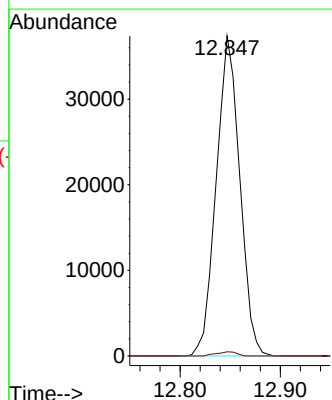
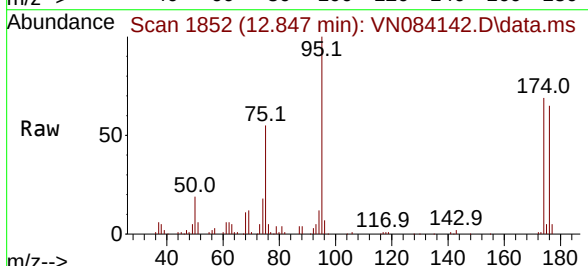
Acq: 24 Sep 2024 18:19

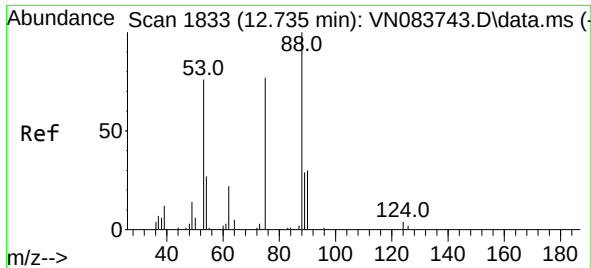
Tgt Ion: 75 Resp: 60957

Ion Ratio Lower Upper

75 100

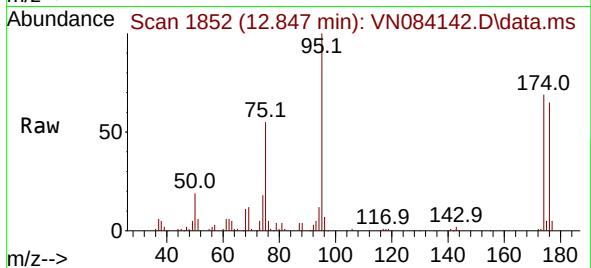
77 1.1 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.393 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084142.D
Acq: 24 Sep 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 60957
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

