

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012125\
 Data File : VN085508.D
 Acq On : 21 Jan 2025 11:22
 Operator : JC\MD
 Sample : VN0121MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 00:37:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

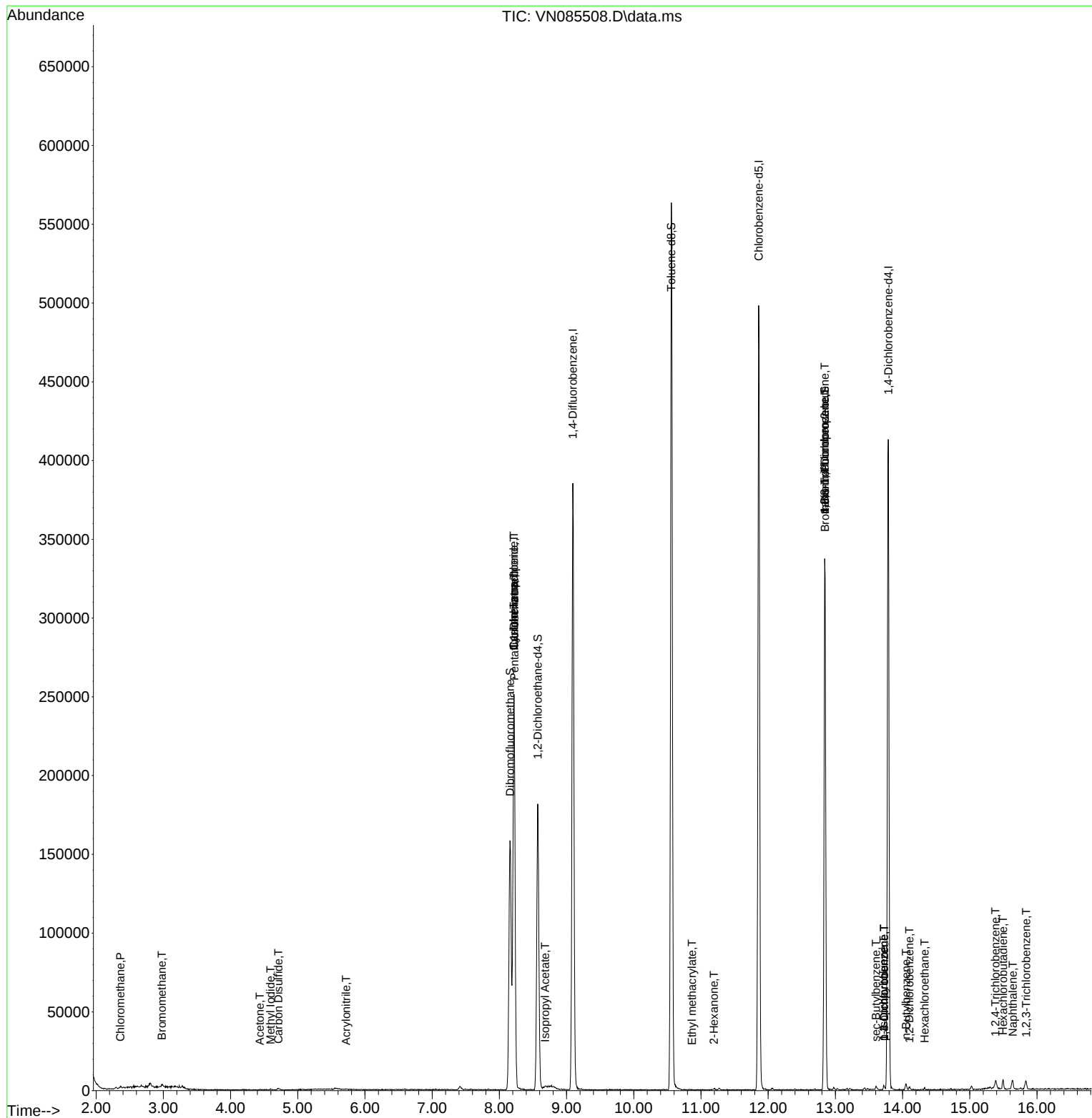
Internal Standards						
1) Pentafluorobenzene	8.224	168	170146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	309492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	267602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	149087	54.282	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.560%	
35) Dibromofluoromethane	8.159	113	114283	53.226	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.460%	
50) Toluene-d8	10.559	98	378691	49.641	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.841	95	113552	43.514	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	762	0.305	ug/l	100
5) Bromomethane	2.977	94	1062	0.701	ug/l	88
10) Methyl Iodide	4.595	142	599	0.255	ug/l #	76
15) Acrylonitrile	5.718	53	439	0.439	ug/l #	38
16) Acetone	4.436	43	392	0.442	ug/l #	45
17) Carbon Disulfide	4.712	76	2002	0.356	ug/l #	76
31) Cyclohexane	8.218	56	4719	1.354	ug/l #	39
36) 1,1-Dichloropropene	8.218	75	16029	5.319	ug/l #	52
38) Carbon Tetrachloride	8.218	117	19437	5.634	ug/l #	18
43) Isopropyl Acetate	8.683	43	2103	0.431	ug/l #	55
56) Ethyl methacrylate	10.865	69	54	1.946	ug/l #	23
59) 2-Hexanone	11.194	43	796	0.400	ug/l #	36
71) Bromoform	12.847	173	843	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.841	75	62055	28.579	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	62055	77.323	ug/l #	3
85) sec-Butylbenzene	13.606	105	1809	0.261	ug/l	85
86) p-Isopropyltoluene	13.717	119	1346	0.269	ug/l #	80
87) 1,3-Dichlorobenzene	13.723	146	760	0.219	ug/l	90
88) 1,4-Dichlorobenzene	13.723	146	760	0.211	ug/l	90
89) n-Butylbenzene	14.053	91	2846	0.572	ug/l	95
90) Hexachloroethane	14.329	117	340	0.258	ug/l #	42
91) 1,2-Dichlorobenzene	14.100	146	945	0.273	ug/l	92
93) 1,2,4-Trichlorobenzene	15.382	180	1922	1.195	ug/l	96
94) Hexachlorobutadiene	15.494	225	1063	1.245	ug/l	85
95) Naphthalene	15.641	128	6815	1.420	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	2606	1.601	ug/l	91

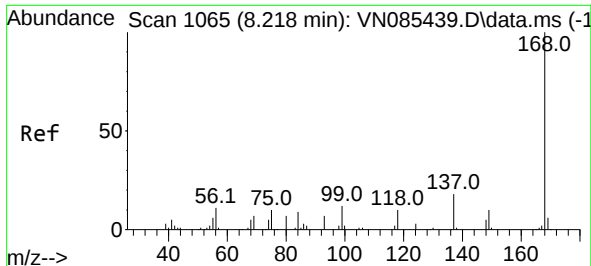
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085508.D
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Operator : JC\MD
Sample : VN0121MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 22 00:37:39 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

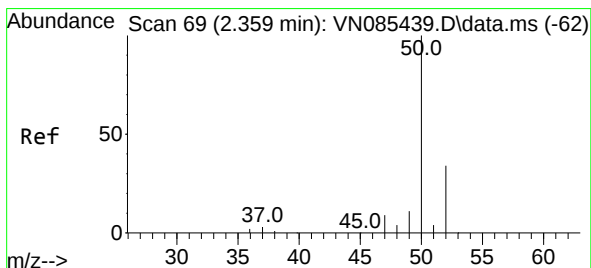
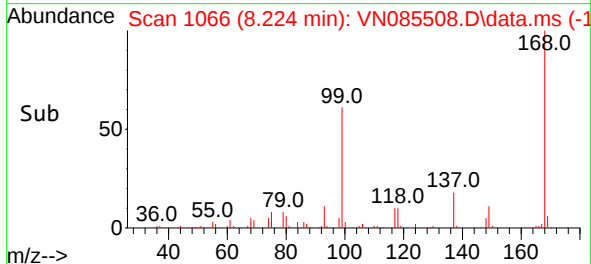
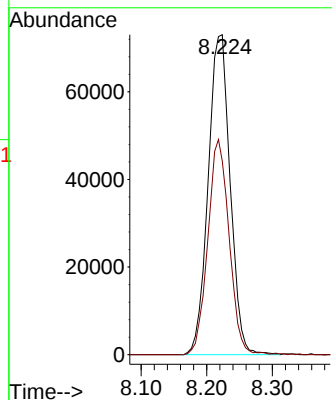
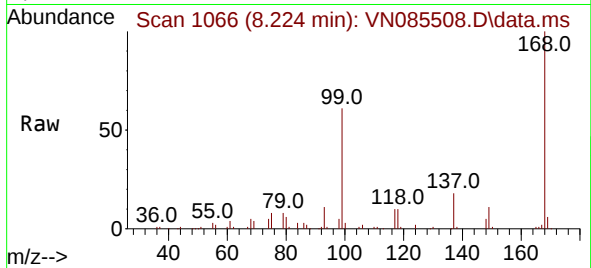




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

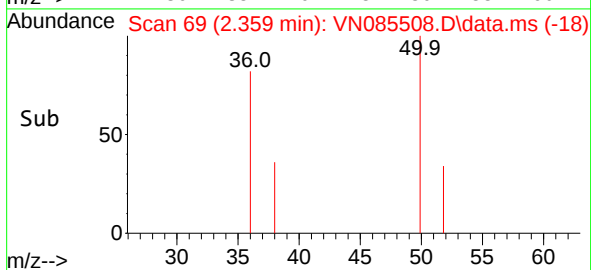
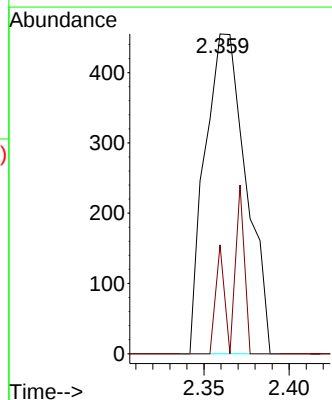
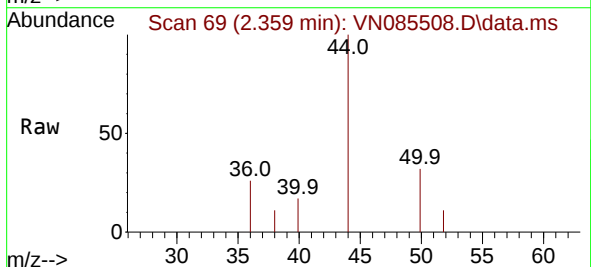
Instrument :
MSVOA_N
ClientSampleId :

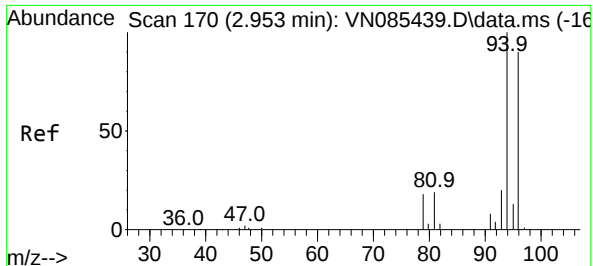
Tgt Ion:168 Resp: 170146
Ion Ratio Lower Upper
168 100
99 60.5 53.6 80.4



#3
Chloromethane
Concen: 0.305 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Tgt Ion: 50 Resp: 762
Ion Ratio Lower Upper
50 100
52 34.1 27.0 40.6

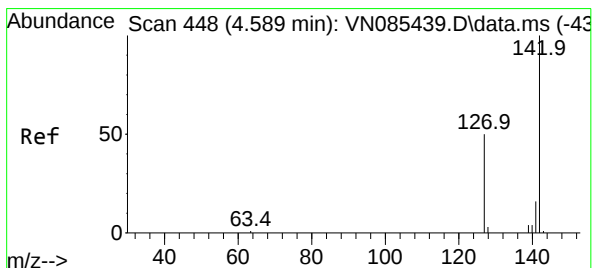
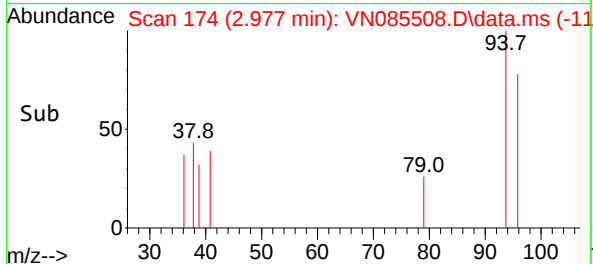
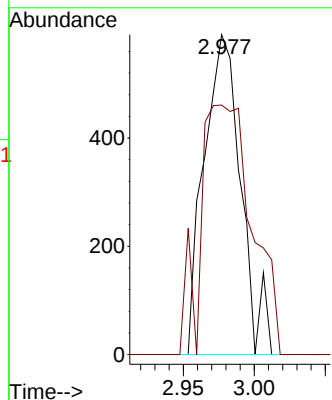
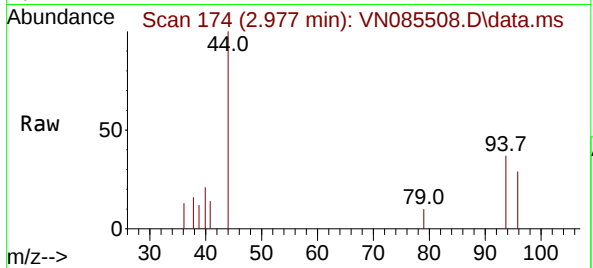




#5
Bromomethane
Concen: 0.701 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

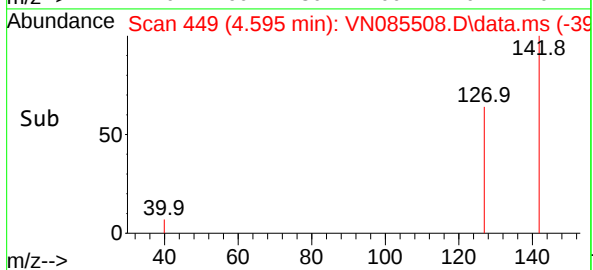
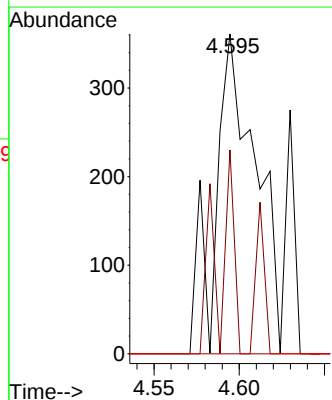
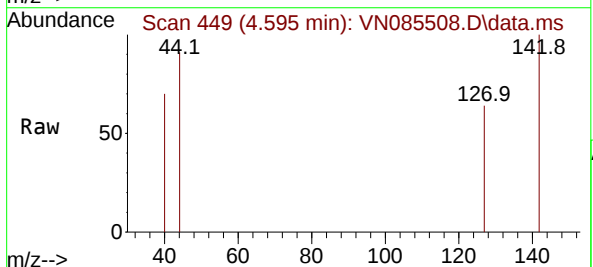
Instrument :
MSVOA_N
ClientSampleId :

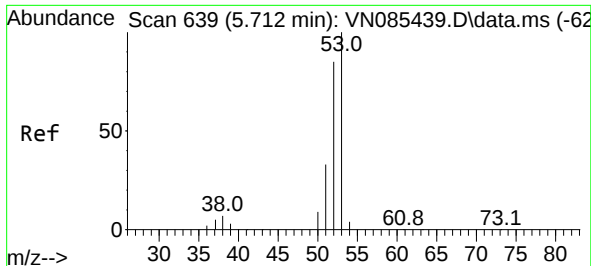
Tgt Ion: 94 Resp: 1062
Ion Ratio Lower Upper
94 100
96 78.0 71.8 107.6



#10
Methyl Iodide
Concen: 0.255 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

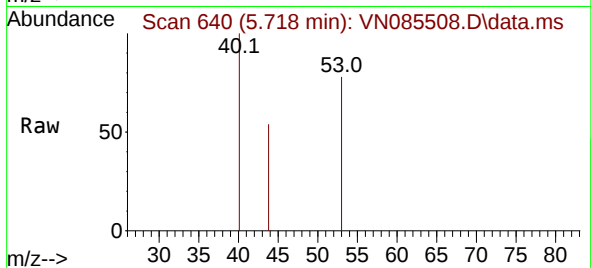
Tgt Ion: 142 Resp: 599
Ion Ratio Lower Upper
142 100
127 63.7 40.3 60.5#
141 0.0 12.8 19.2#



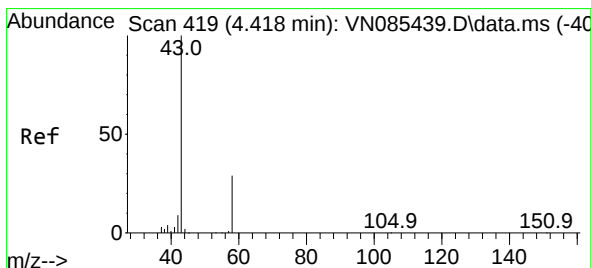
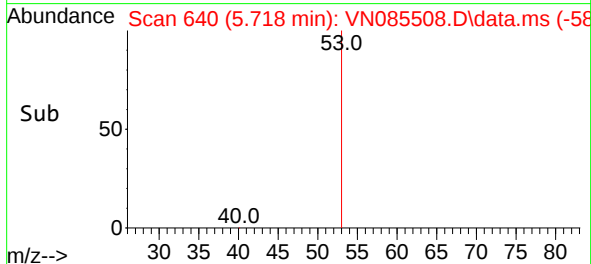
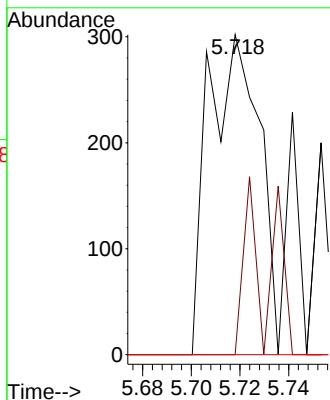


#15
Acrylonitrile
Concen: 0.439 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Instrument :
MSVOA_N
ClientSampleId :

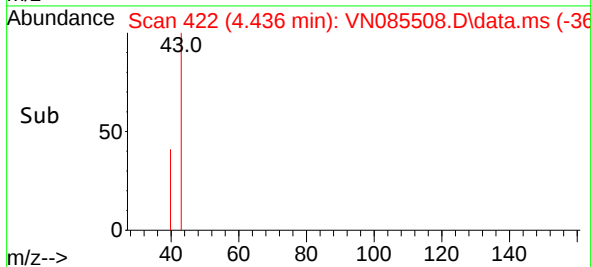
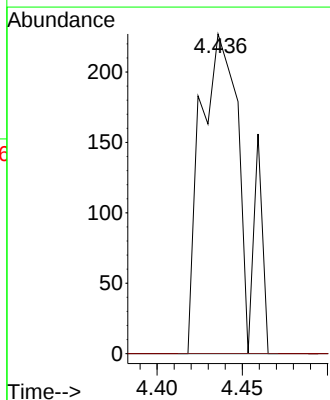
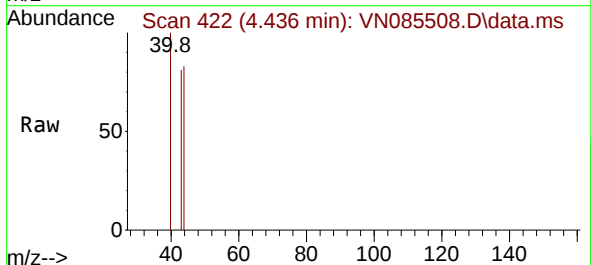


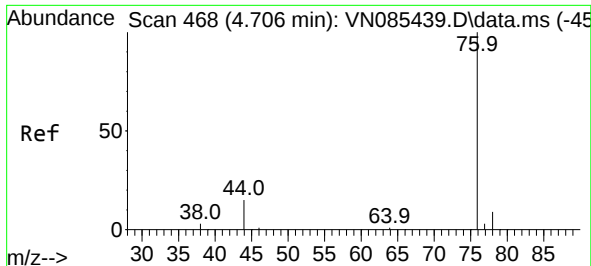
Tgt Ion: 53 Resp: 439
Ion Ratio Lower Upper
53 100
52 26.2 65.5 98.3#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 0.442 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

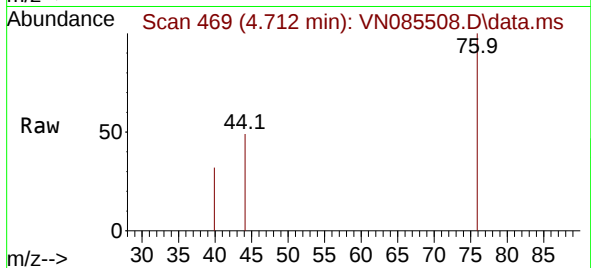
Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



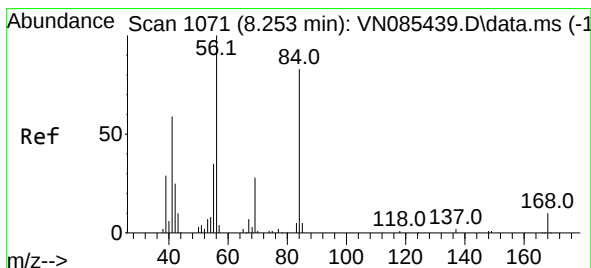
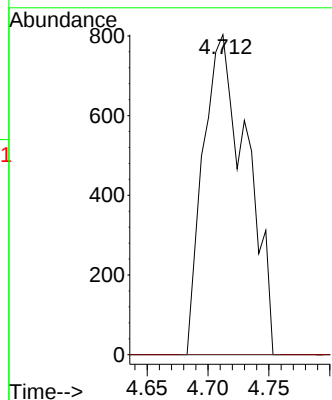
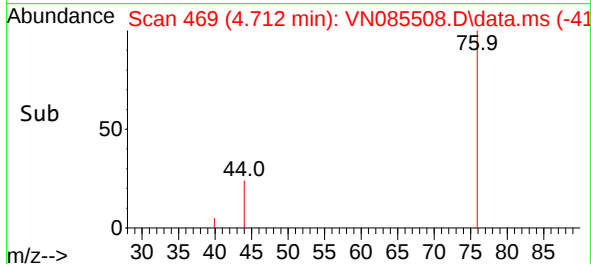


#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

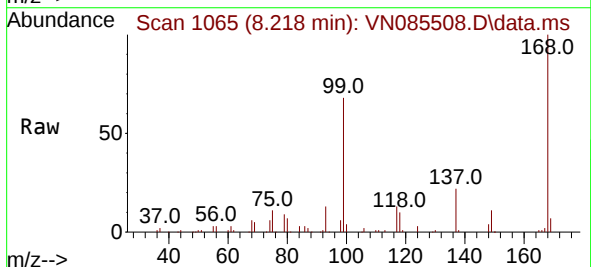
Instrument :
MSVOA_N
ClientSampleId :



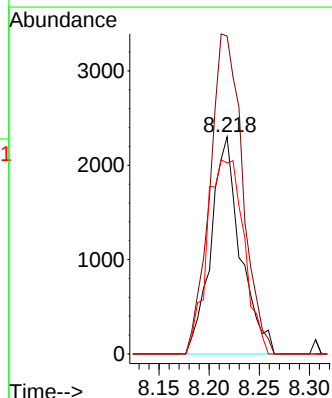
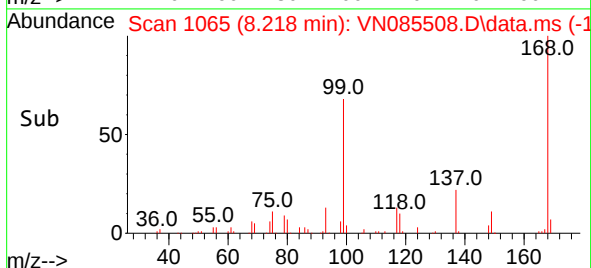
Tgt Ion: 76 Resp: 2002
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

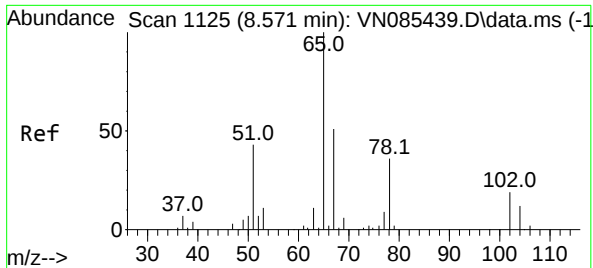


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22



Tgt Ion: 56 Resp: 4719
Ion Ratio Lower Upper
56 100
69 146.4 22.2 33.4#
84 88.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 54.282 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085508.D

Acq: 21 Jan 2025 11:22

Instrument :

MSVOA_N

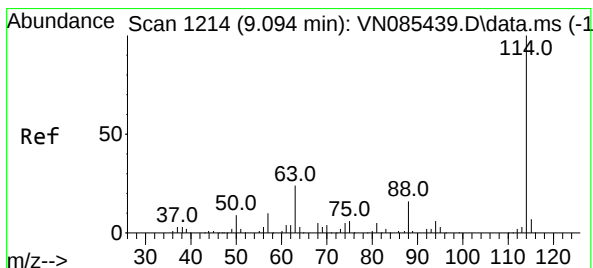
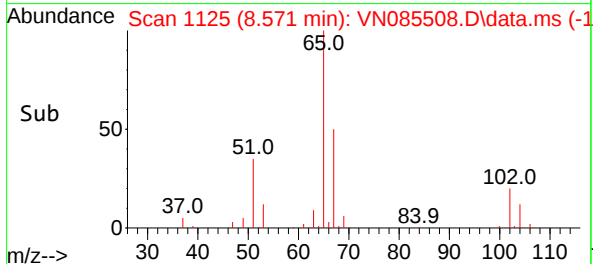
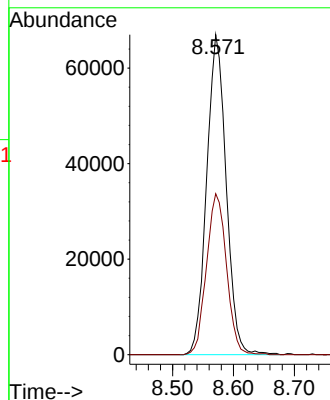
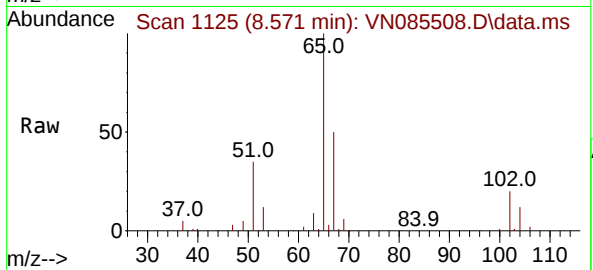
ClientSampleId :

Tgt Ion: 65 Resp: 149087

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085508.D

Acq: 21 Jan 2025 11:22

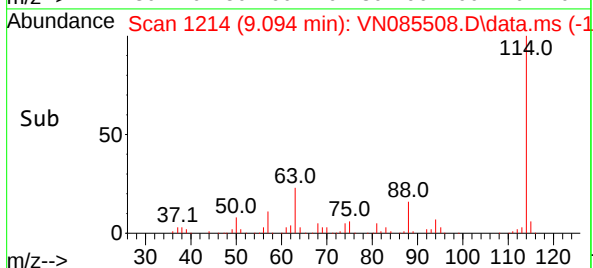
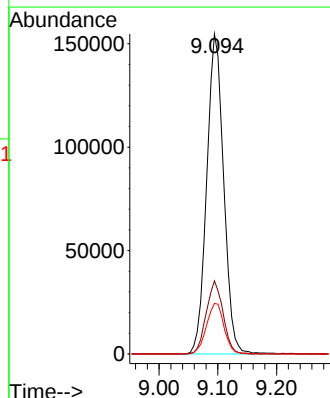
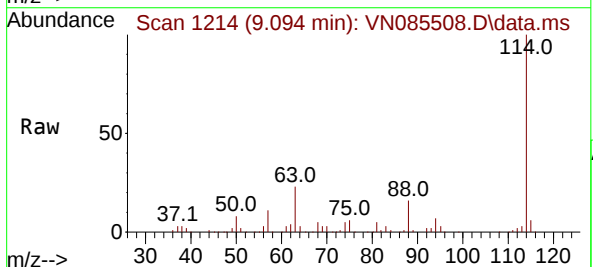
Tgt Ion: 114 Resp: 309492

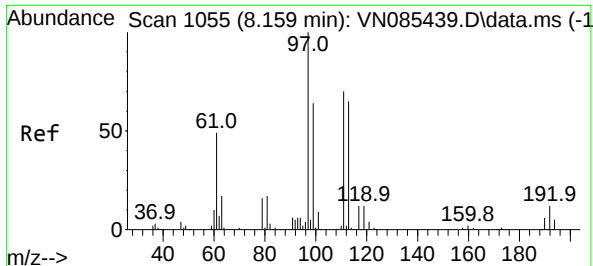
Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.6

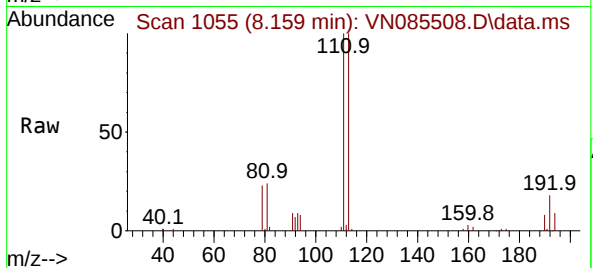
88 15.8 0.0 32.6



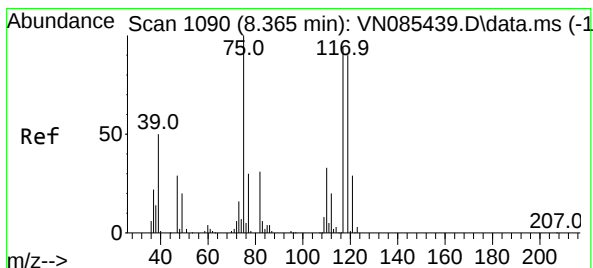
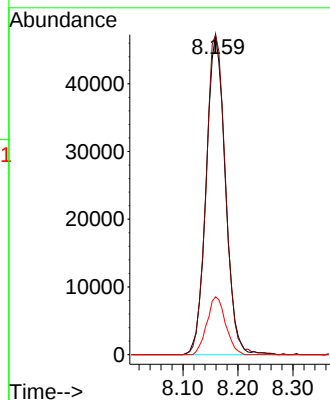
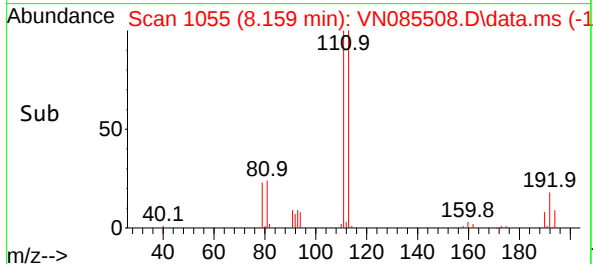


#35
Dibromofluoromethane
Concen: 53.226 ug/l
RT: 8.159 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

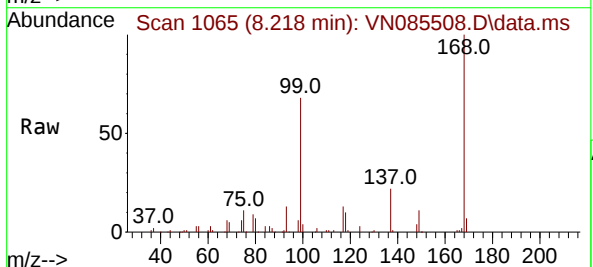
Instrument :
MSVOA_N
ClientSampleId :



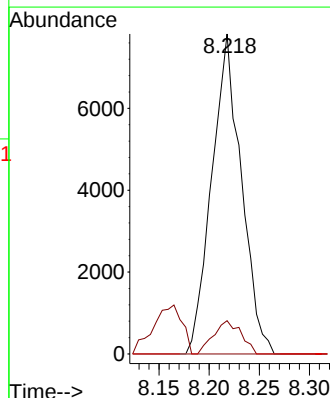
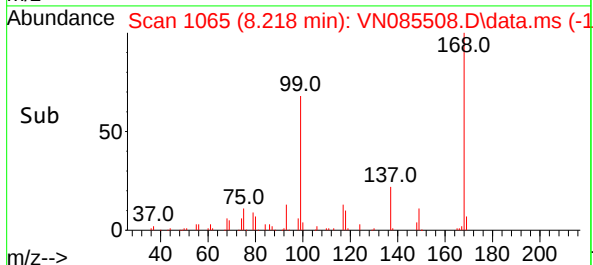
Tgt Ion:113 Resp: 114283
Ion Ratio Lower Upper
113 100
111 101.3 82.7 124.1
192 17.6 14.3 21.5

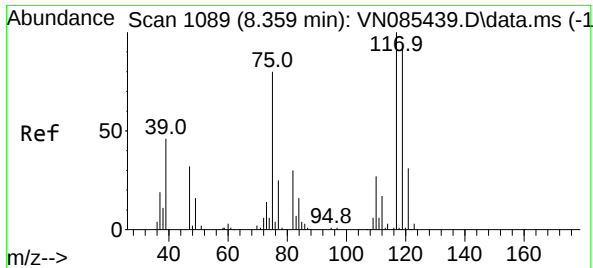


#36
1,1-Dichloropropene
Concen: 5.319 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22



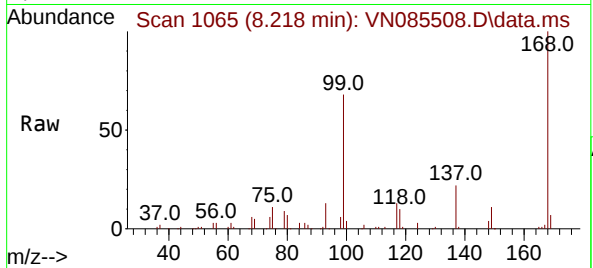
Tgt Ion: 75 Resp: 16029
Ion Ratio Lower Upper
75 100
110 9.6 16.5 49.5#
77 0.0 24.4 36.6#



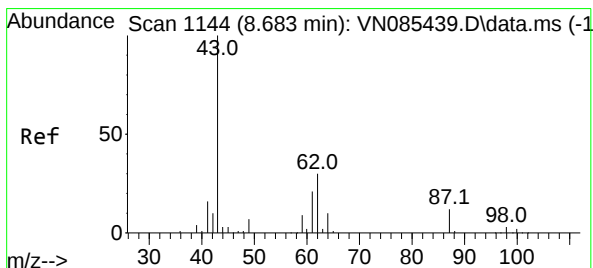
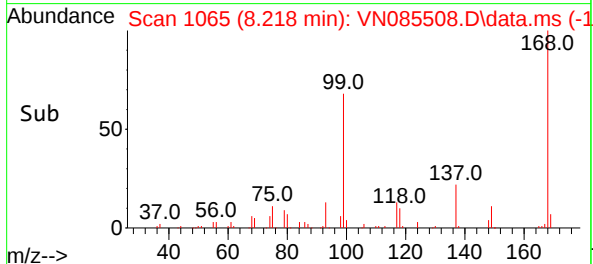
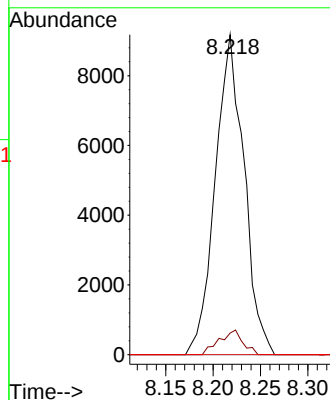


#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Instrument :
MSVOA_N
ClientSampleId :

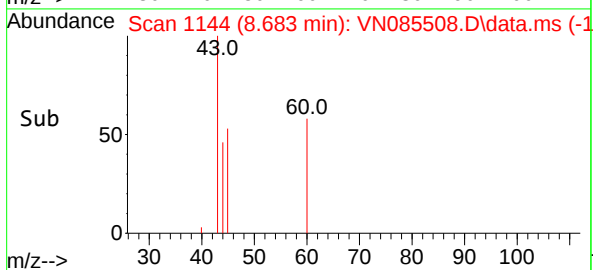
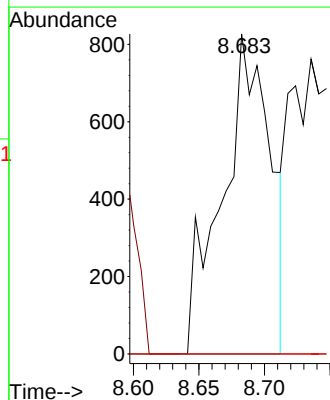
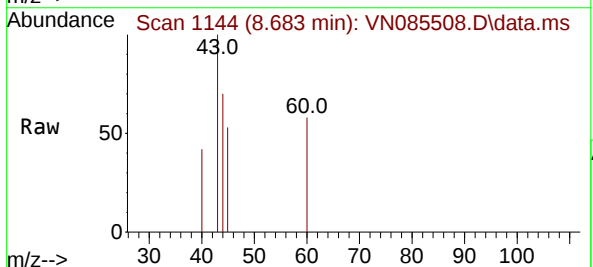


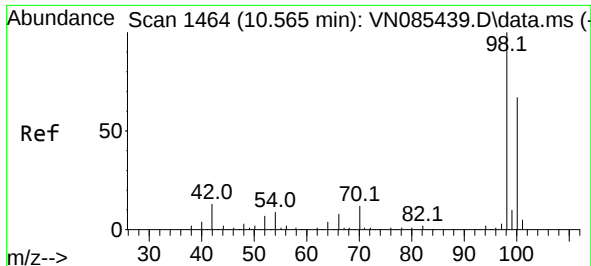
Tgt Ion:117 Resp: 19437
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.431 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

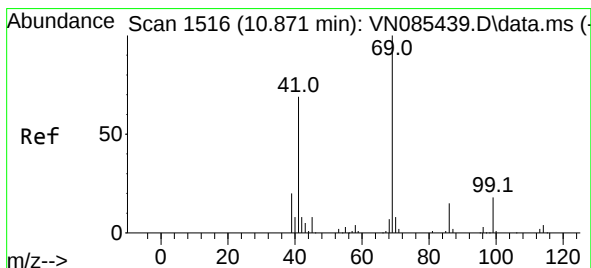
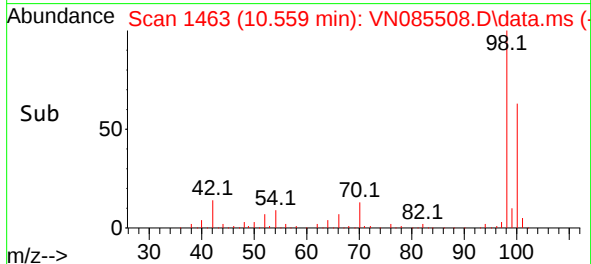
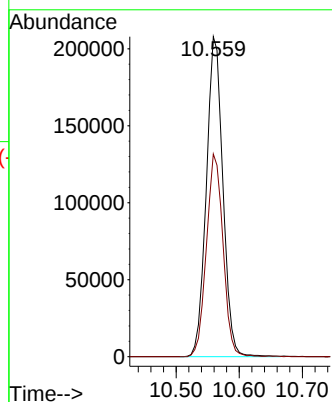
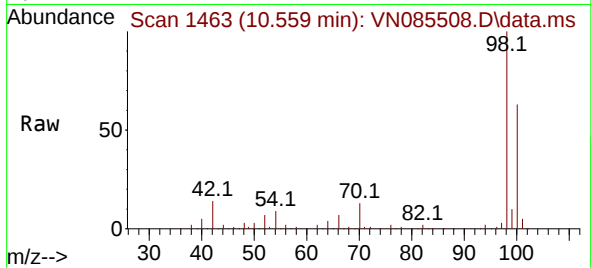




#50
Toluene-d8
Concen: 49.641 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

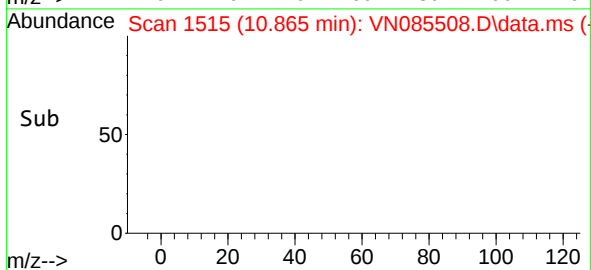
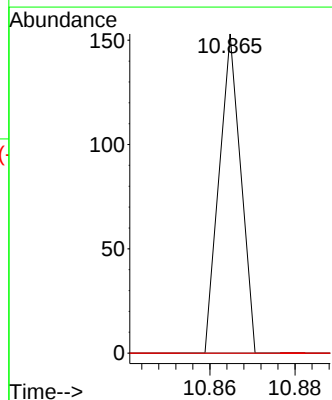
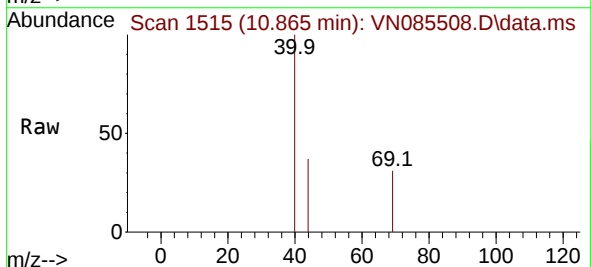
Instrument :
MSVOA_N
ClientSampleId :

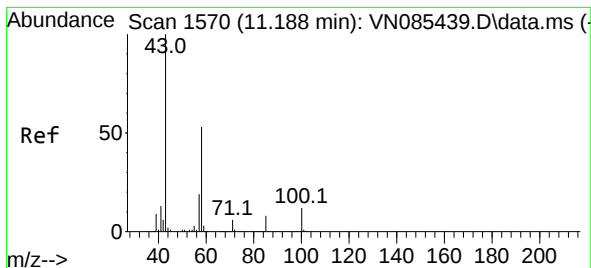
Tgt Ion: 98 Resp: 378691
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.946 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 54.6 82.0#
39 0.0 32.4 48.6#

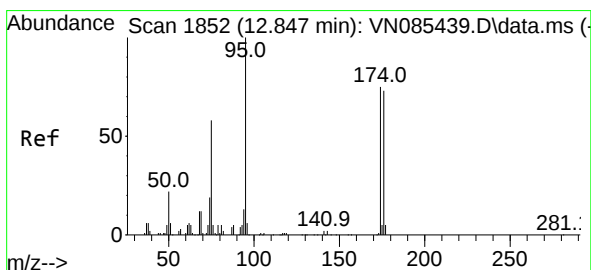
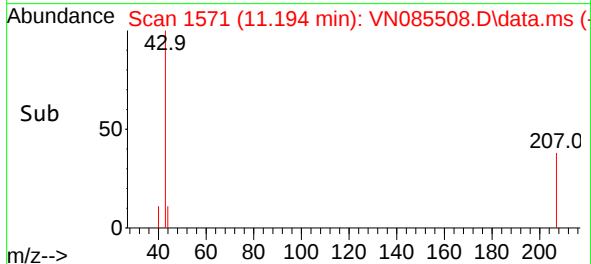
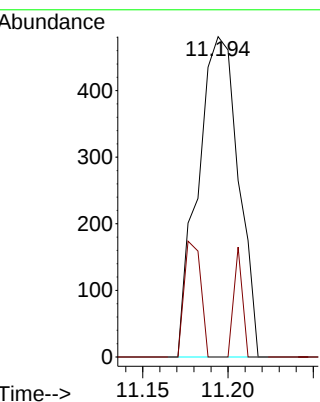
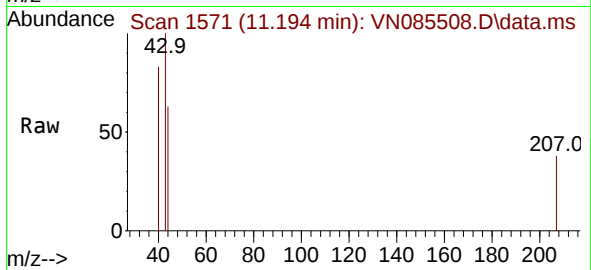




#59
2-Hexanone
Concen: 0.400 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

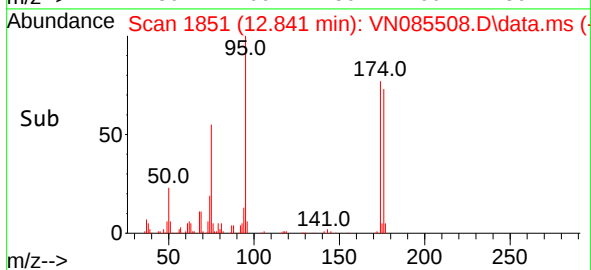
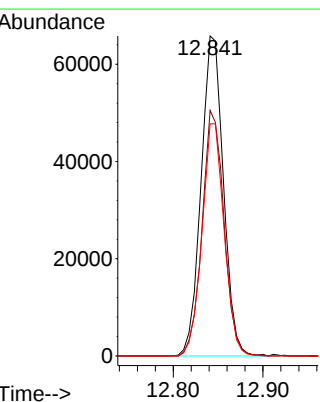
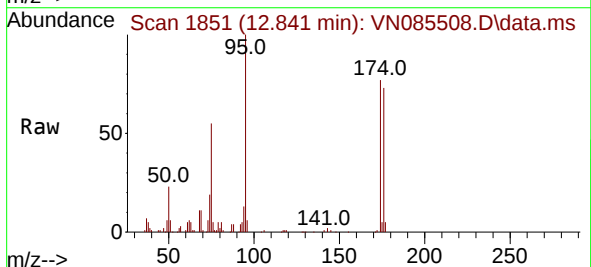
Instrument :
MSVOA_N
ClientSampleId :

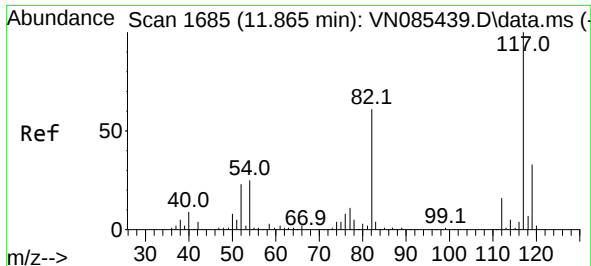
Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 7.3 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 43.514 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Tgt Ion: 95 Resp: 113552
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.0
176 72.1 0.0 142.4

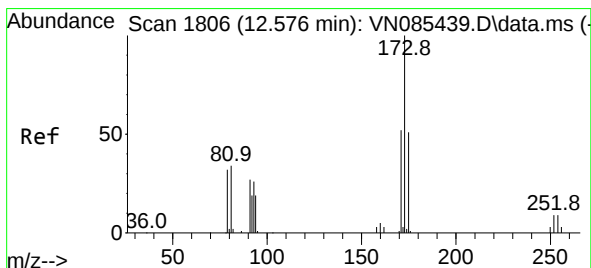
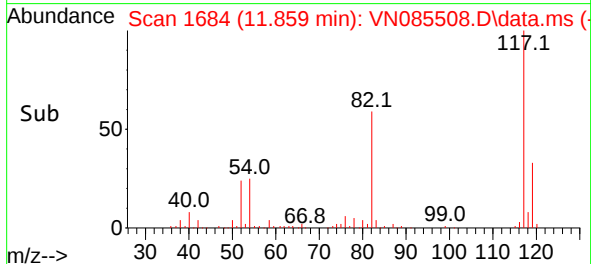
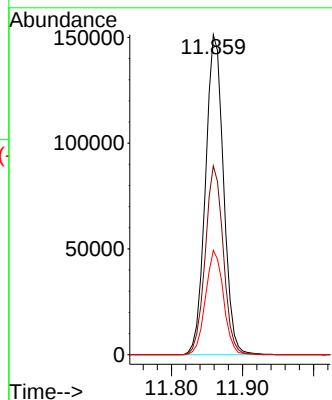
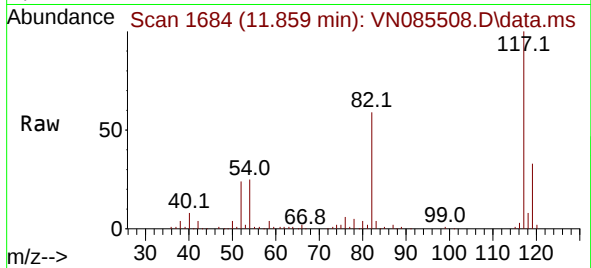




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

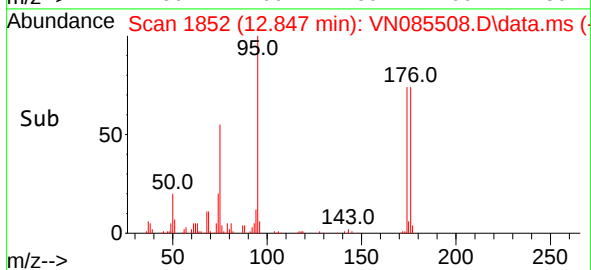
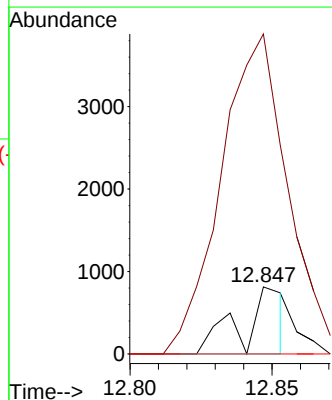
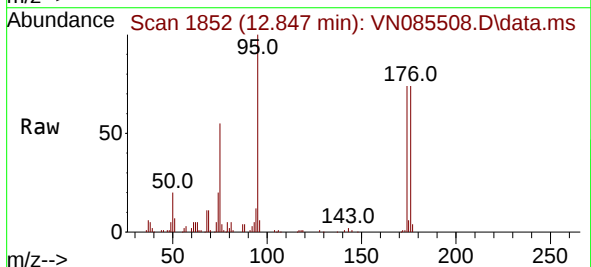
Instrument :
MSVOA_N
ClientSampleId :

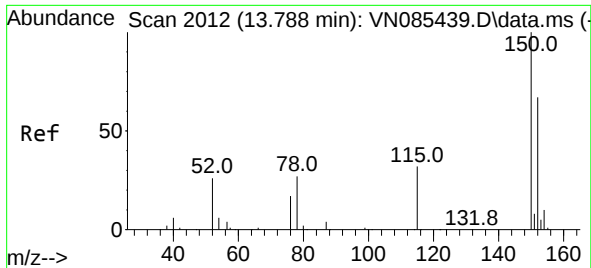
Tgt Ion:117 Resp: 267602
Ion Ratio Lower Upper
117 100
82 59.0 48.6 72.8
119 32.6 26.6 39.8



#71
Bromoform
Concen: 0.548 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

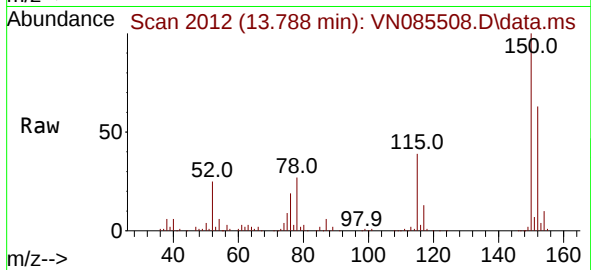
Tgt Ion:173 Resp: 843
Ion Ratio Lower Upper
173 100
175 648.3 24.4 73.2#
254 0.0 0.0 0.0



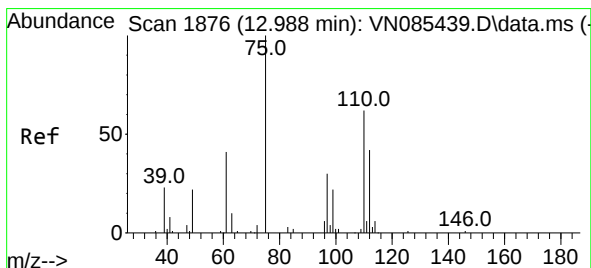
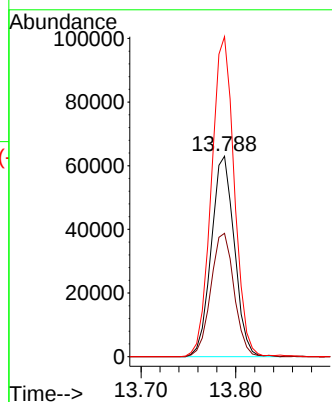
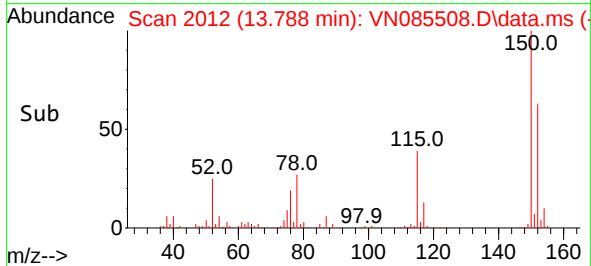


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085508.D
 Acq: 21 Jan 2025 11:22

Instrument :
 MSVOA_N
 ClientSampleId :

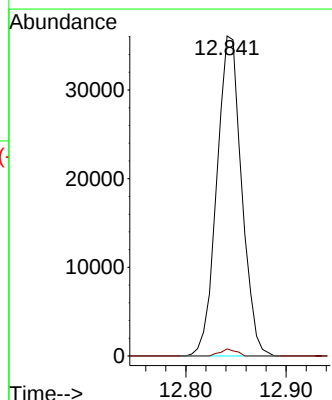
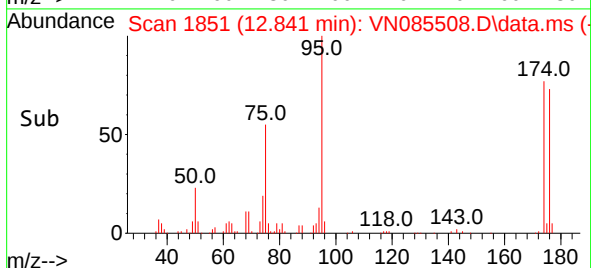
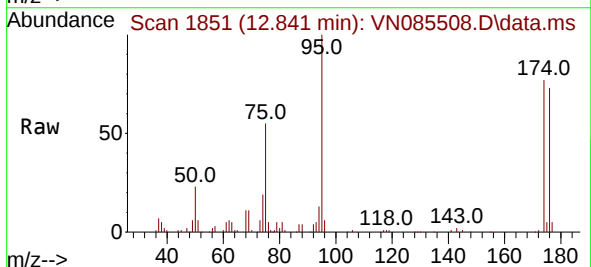


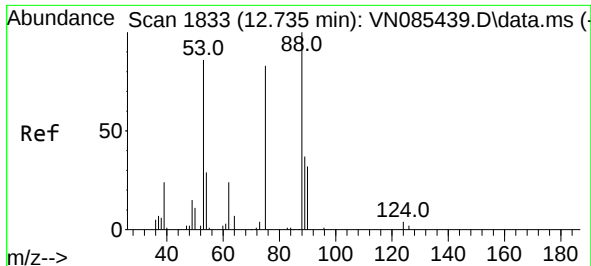
Tgt Ion:152 Resp: 106829
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.1 93.3
 150 157.9 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 28.579 ug/l
 RT: 12.841 min Scan# 1851
 Delta R.T. -0.147 min
 Lab File: VN085508.D
 Acq: 21 Jan 2025 11:22

Tgt Ion: 75 Resp: 62055
 Ion Ratio Lower Upper
 75 100
 77 1.4 109.7 329.2#

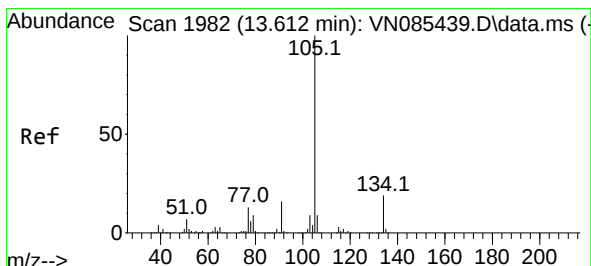
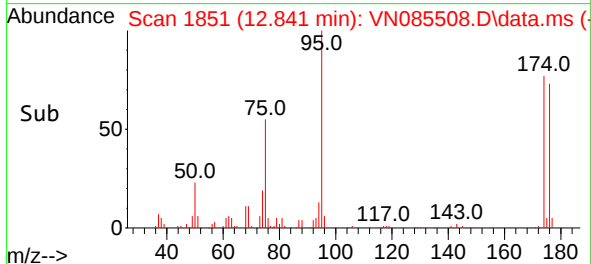
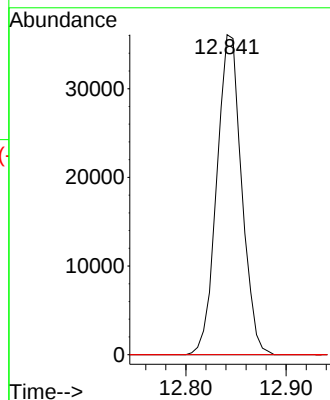
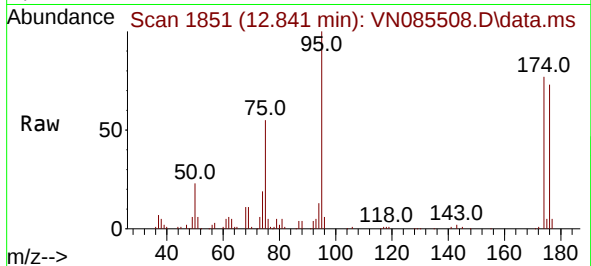




#81
trans-1,4-Dichloro-2-butene
Concen: 77.323 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.106 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

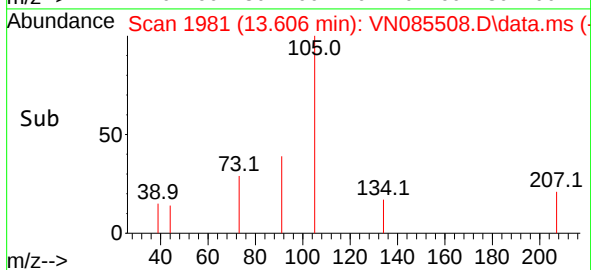
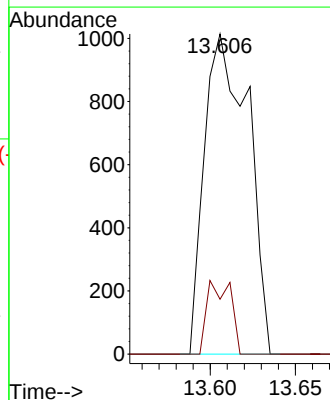
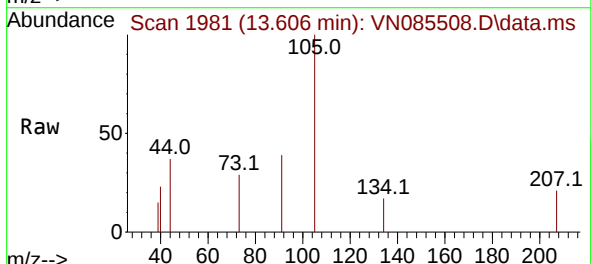
Instrument :
MSVOA_N
ClientSampleId :

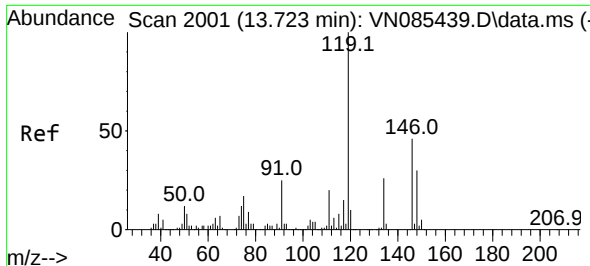
Tgt Ion: 75 Resp: 62055
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#85
sec-Butylbenzene
Concen: 0.261 ug/l
RT: 13.606 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

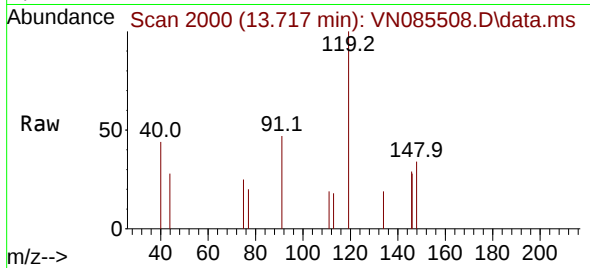
Tgt Ion:105 Resp: 1809
Ion Ratio Lower Upper
105 100
134 12.4 9.7 28.9



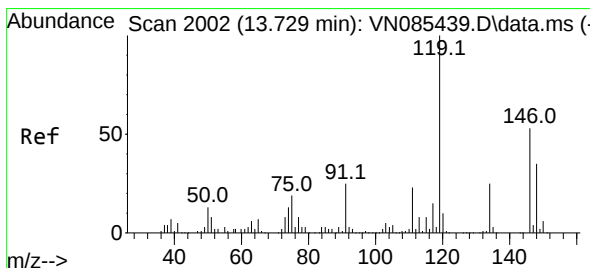
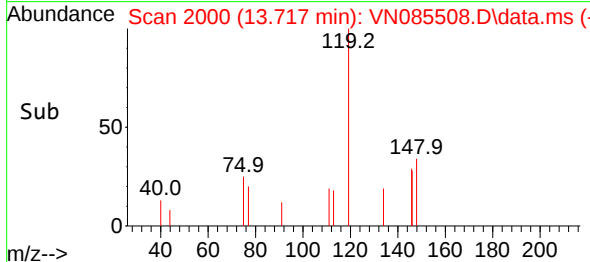
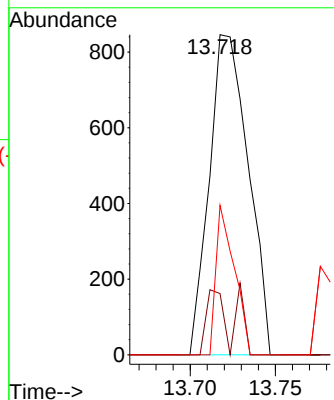


#86
p-Isopropyltoluene
Concen: 0.269 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Instrument :
MSVOA_N
ClientSampleId :

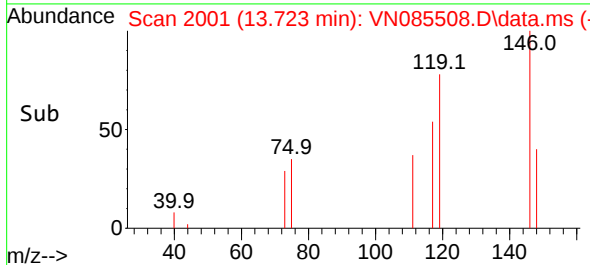
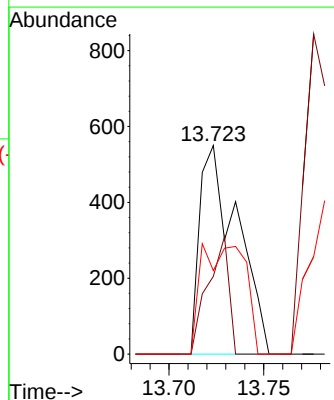
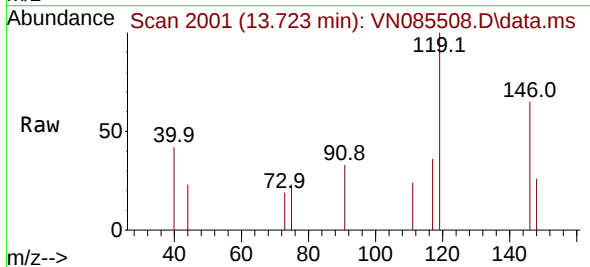


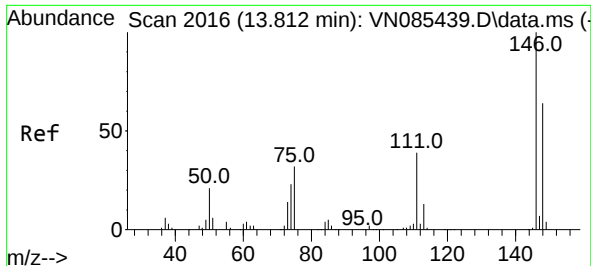
Tgt Ion:119 Resp: 1346
Ion Ratio Lower Upper
119 100
134 8.8 12.7 38.0#
91 22.0 12.7 38.1



#87
1,3-Dichlorobenzene
Concen: 0.219 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

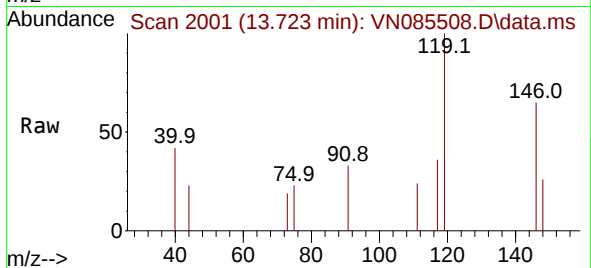
Tgt Ion:146 Resp: 760
Ion Ratio Lower Upper
146 100
111 31.3 21.4 64.3
148 61.1 32.3 96.9



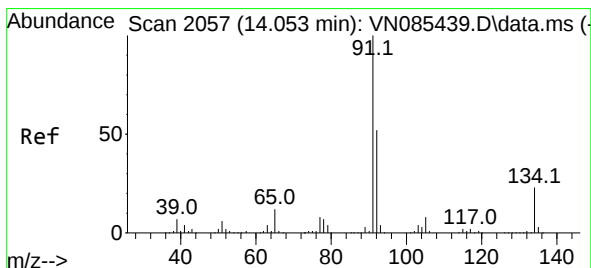
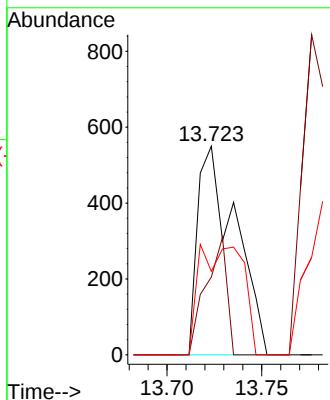
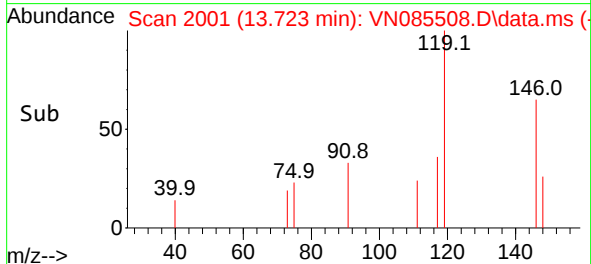


#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.723 min Scan# 2016
Delta R.T. -0.088 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

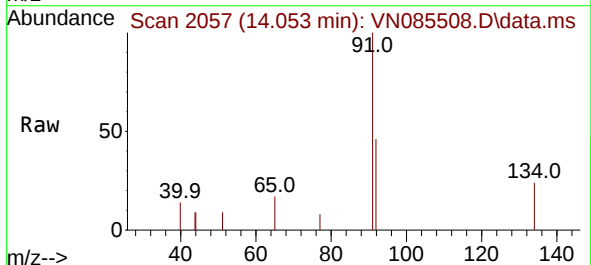
Instrument :
MSVOA_N
ClientSampleId :



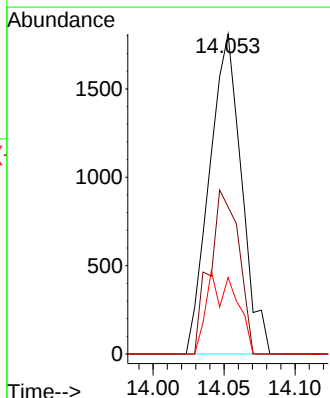
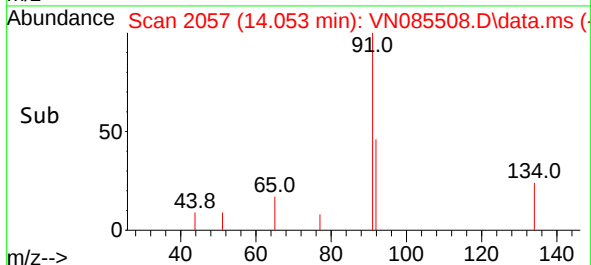
Tgt Ion:146 Resp: 760
Ion Ratio Lower Upper
146 100
111 31.3 21.3 63.7
148 61.1 32.4 97.0

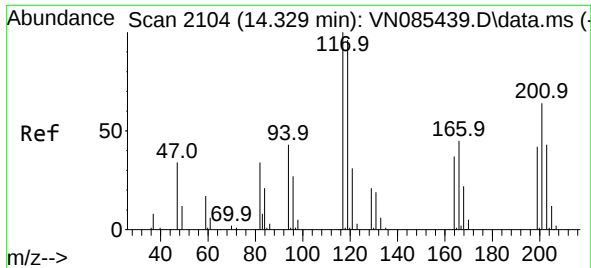


#89
n-Butylbenzene
Concen: 0.572 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22



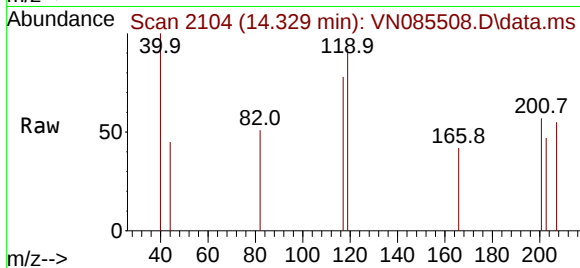
Tgt Ion: 91 Resp: 2846
Ion Ratio Lower Upper
91 100
92 46.6 25.8 77.3
134 23.1 11.7 35.1



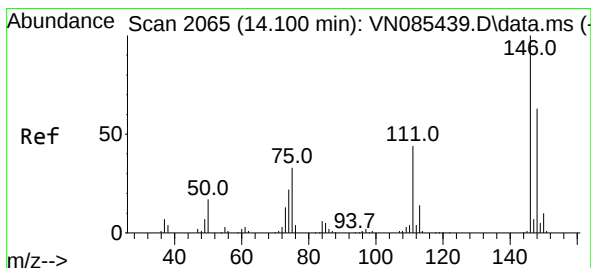
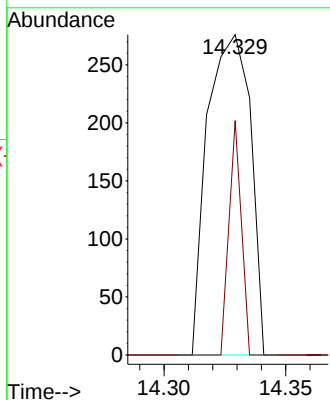
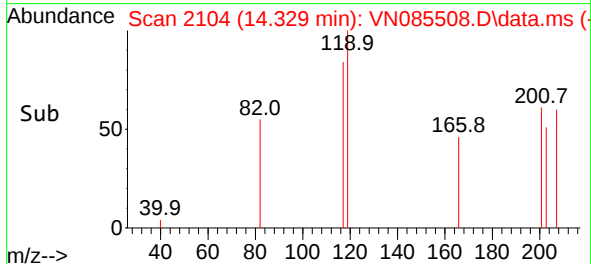


#90
Hexachloroethane
Concen: 0.258 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

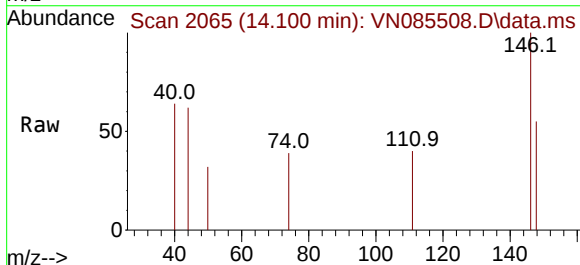
Instrument :
MSVOA_N
ClientSampleId :



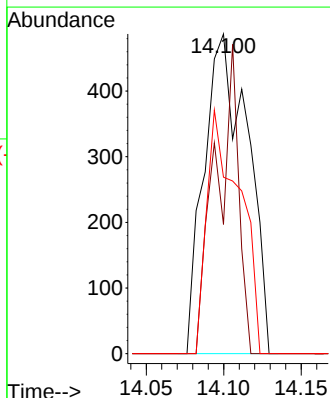
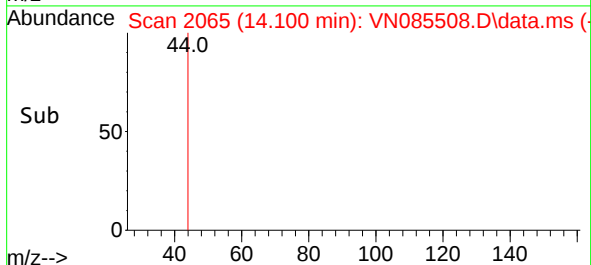
Tgt Ion:117 Resp: 340
Ion Ratio Lower Upper
117 100
201 20.9 33.7 101.0#

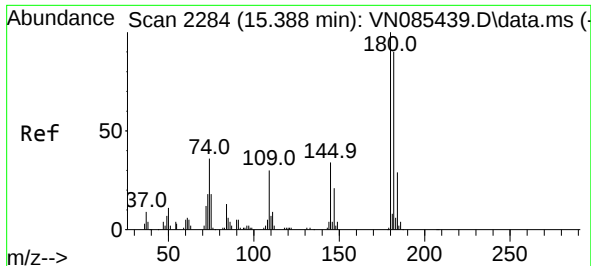


#91
1,2-Dichlorobenzene
Concen: 0.273 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22



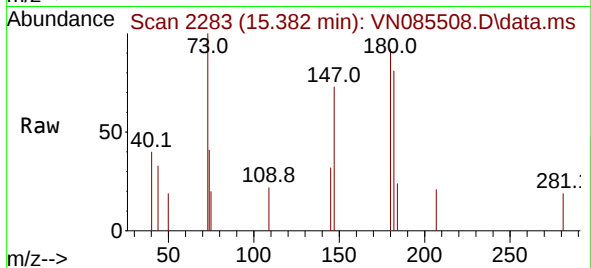
Tgt Ion:146 Resp: 945
Ion Ratio Lower Upper
146 100
111 50.2 21.7 65.1
148 57.8 31.4 94.2



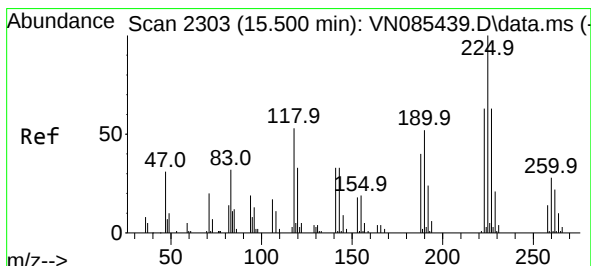
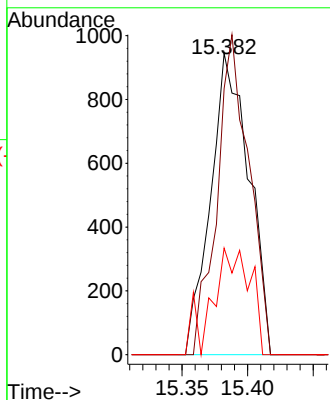
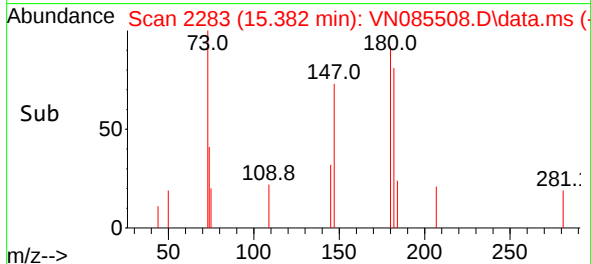


#93
 1,2,4-Trichlorobenzene
 Concen: 1.195 ug/l
 RT: 15.382 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN085508.D
 Acq: 21 Jan 2025 11:22

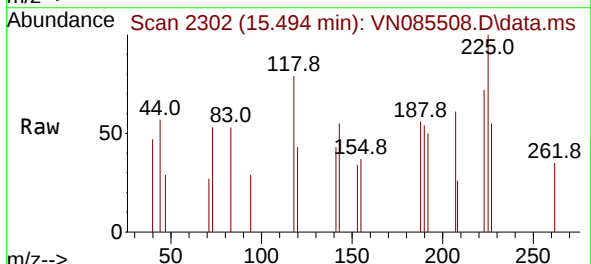
Instrument :
 MSVOA_N
 ClientSampleId :



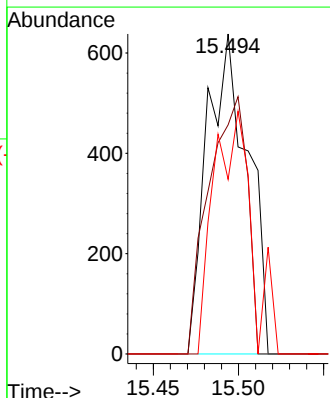
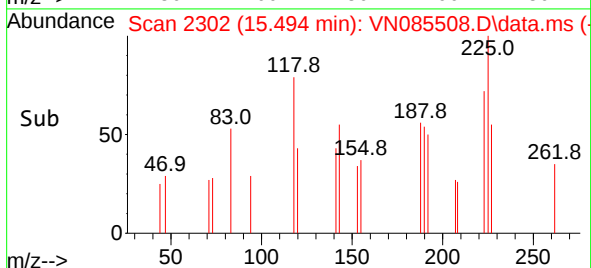
Tgt Ion:180 Resp: 1922
 Ion Ratio Lower Upper
 180 100
 182 88.7 46.8 140.3
 145 31.6 16.0 48.0

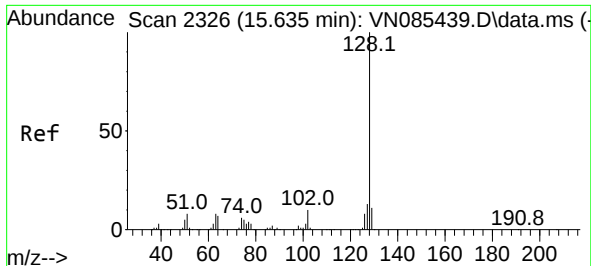


#94
 Hexachlorobutadiene
 Concen: 1.245 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN085508.D
 Acq: 21 Jan 2025 11:22



Tgt Ion:225 Resp: 1063
 Ion Ratio Lower Upper
 225 100
 223 76.3 30.7 92.1
 227 69.8 30.9 92.5

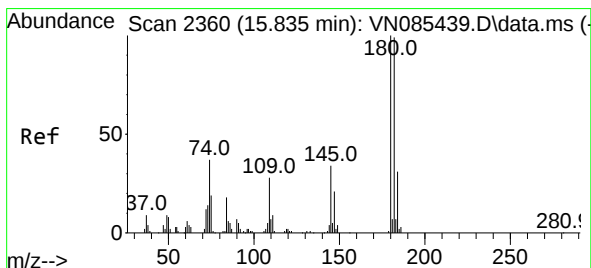
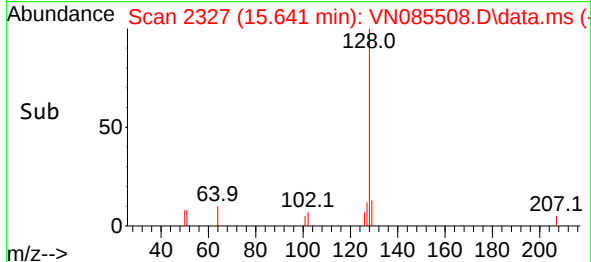
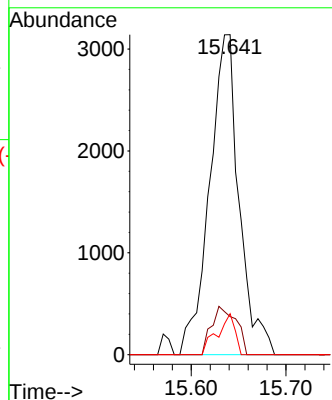
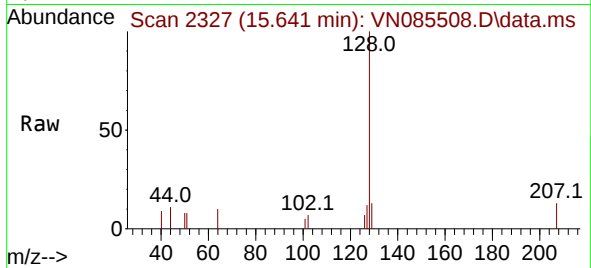




#95
Naphthalene
Concen: 1.420 ug/l
RT: 15.641 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6815
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 7.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.601 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085508.D
Acq: 21 Jan 2025 11:22

Tgt Ion:180 Resp: 2606
Ion Ratio Lower Upper
180 100
182 82.8 47.4 142.2
145 33.3 16.9 50.7

