

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
 Data File : VN085531.D
 Acq On : 28 Jan 2025 12:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 00:37:26 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)

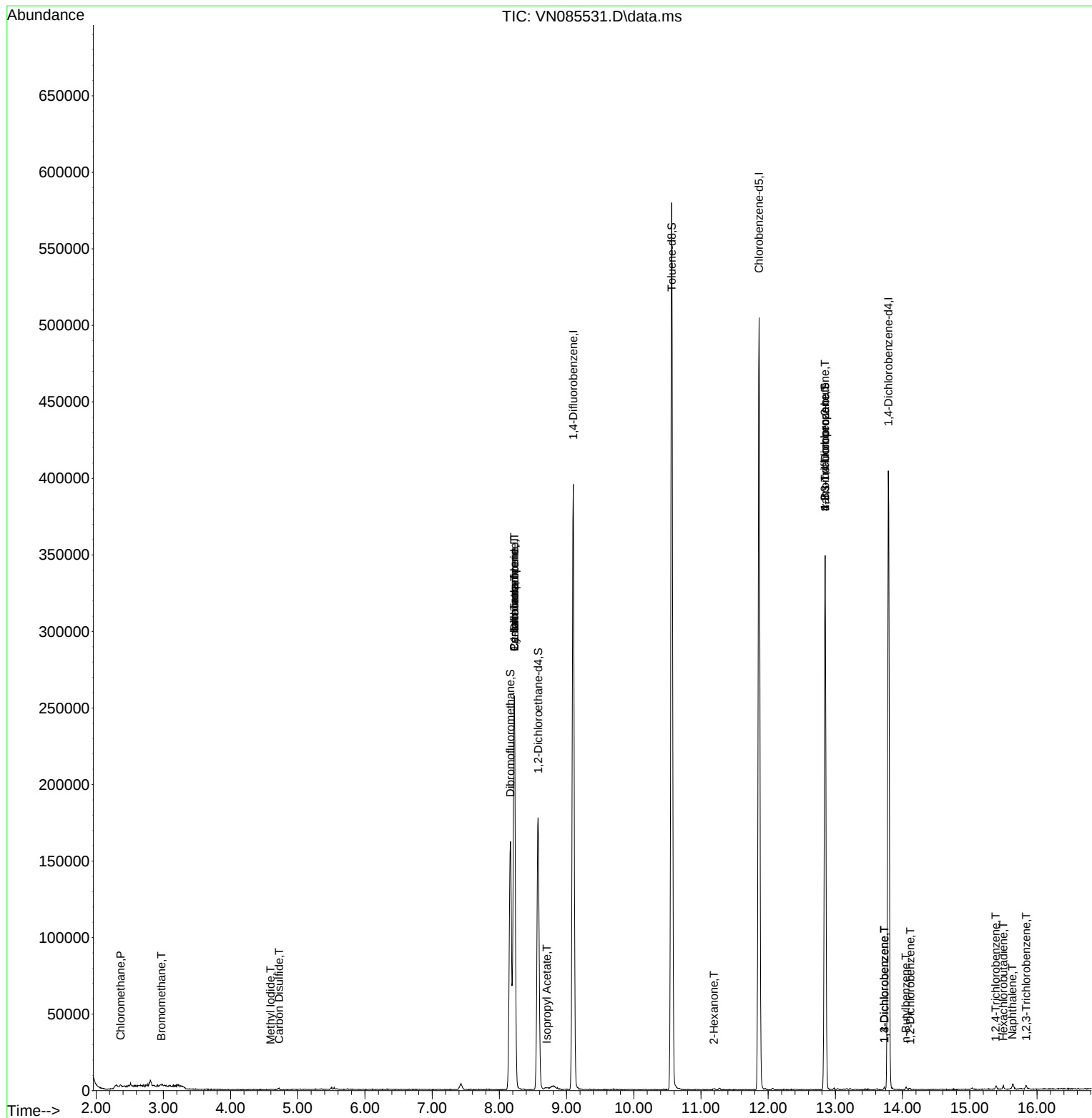
Internal Standards						
1) Pentafluorobenzene	8.224	168	175957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152556	53.711	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.420%		
35) Dibromofluoromethane	8.165	113	114240	51.270	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.540%		
50) Toluene-d8	10.565	98	387697	48.972	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 97.940%		
62) 4-Bromofluorobenzene	12.847	95	115197	42.537	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 85.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	742	0.288	ug/l	88
5) Bromomethane	2.971	94	902	0.576	ug/l	91
10) Methyl Iodide	4.594	142	627	0.258	ug/l #	36
17) Carbon Disulfide	4.724	76	1741	0.299	ug/l #	76
31) Cyclohexane	8.224	56	4818	1.337	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16448	5.260	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19900	5.558	ug/l #	17
43) Isopropyl Acetate	8.706	43	1210	0.239	ug/l #	55
59) 2-Hexanone	11.194	43	712	0.345	ug/l	69
76) 1,2,3-Trichloropropane	12.847	75	64381	30.028	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64381	81.244	ug/l #	3
87) 1,3-Dichlorobenzene	13.729	146	813	0.237	ug/l	75
88) 1,4-Dichlorobenzene	13.729	146	813	0.229	ug/l	75
89) n-Butylbenzene	14.047	91	1288	0.262	ug/l	84
91) 1,2-Dichlorobenzene	14.117	146	716	0.210	ug/l	79
93) 1,2,4-Trichlorobenzene	15.388	180	959	0.604	ug/l	87
94) Hexachlorobutadiene	15.500	225	657	0.779	ug/l	81
95) Naphthalene	15.635	128	4280	0.903	ug/l	95
96) 1,2,3-Trichlorobenzene	15.841	180	1207	0.751	ug/l	92

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
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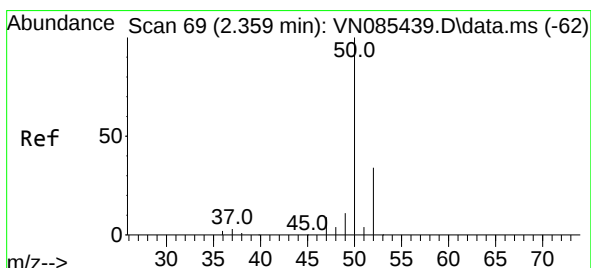
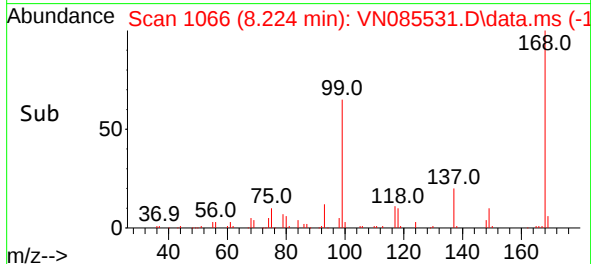
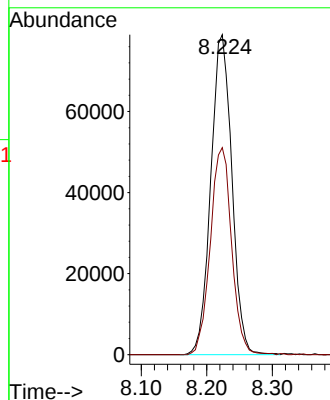
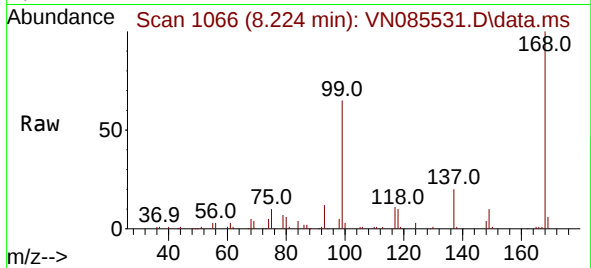




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

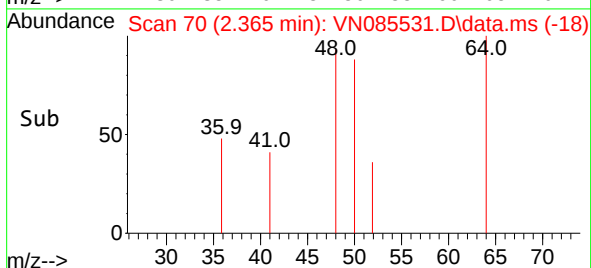
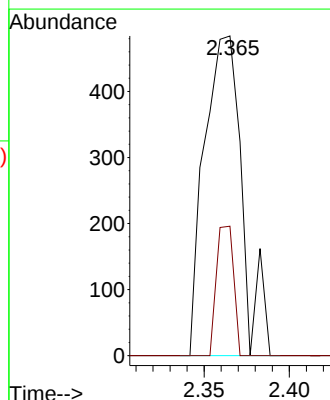
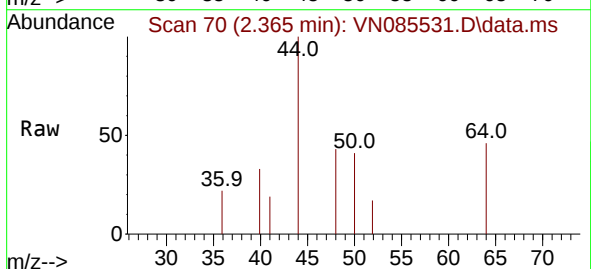
Instrument :
MSVOA_N
ClientSampleId :

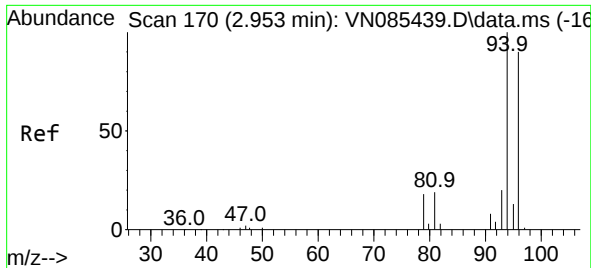
Tgt Ion:168 Resp: 175957
Ion Ratio Lower Upper
168 100
99 64.7 53.6 80.4



#3
Chloromethane
Concen: 0.288 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

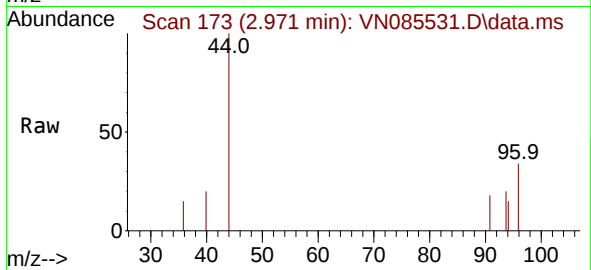
Tgt Ion: 50 Resp: 742
Ion Ratio Lower Upper
50 100
52 40.5 27.0 40.6



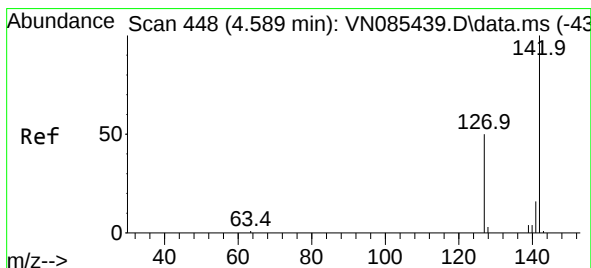
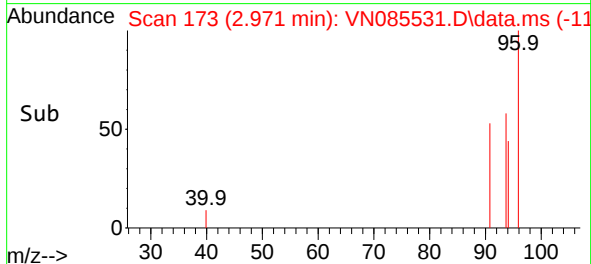
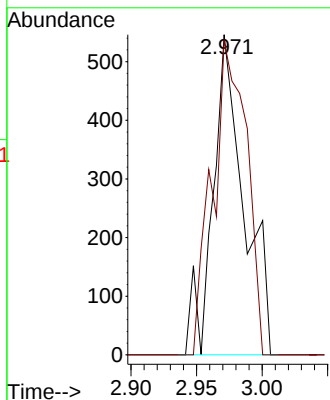


#5
Bromomethane
Concen: 0.576 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :

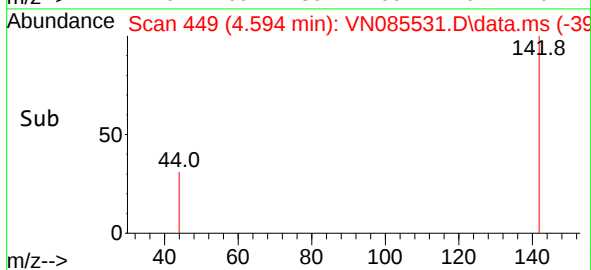
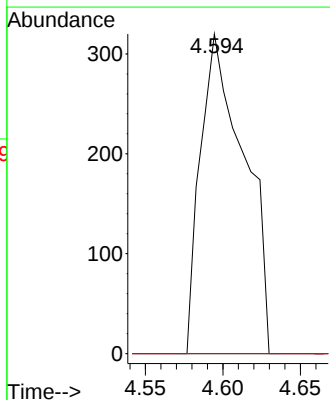
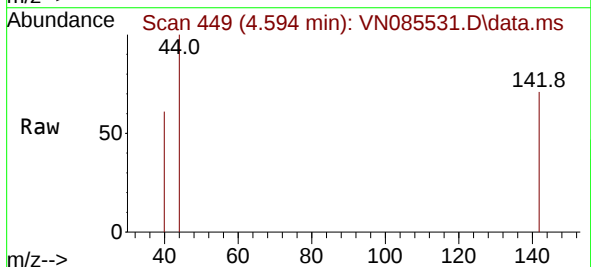


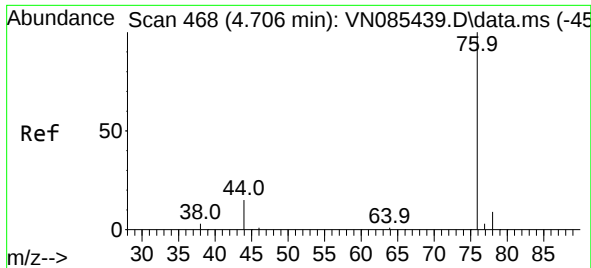
Tgt Ion: 94 Resp: 902
Ion Ratio Lower Upper
94 100
96 98.2 71.8 107.6



#10
Methyl Iodide
Concen: 0.258 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

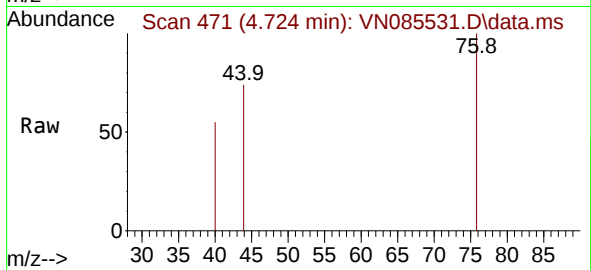
Tgt Ion: 142 Resp: 627
Ion Ratio Lower Upper
142 100
127 0.0 40.3 60.5#
141 0.0 12.8 19.2#



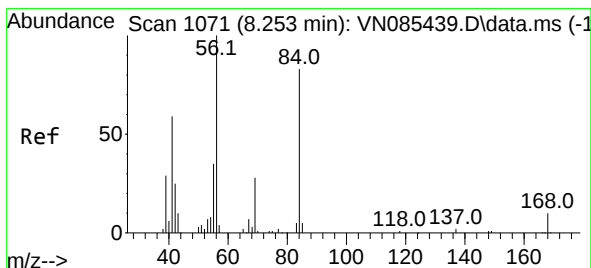
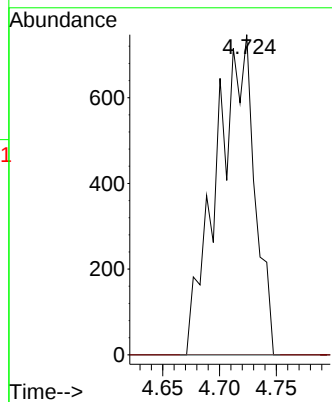
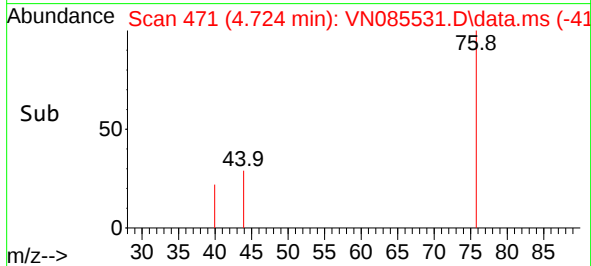


#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

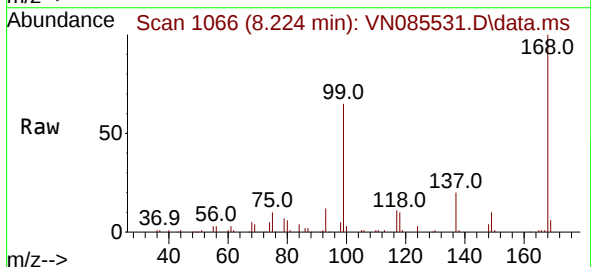
Instrument :
MSVOA_N
ClientSampleId :



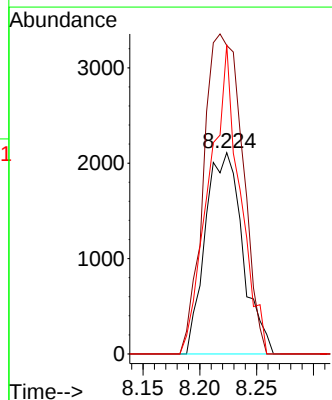
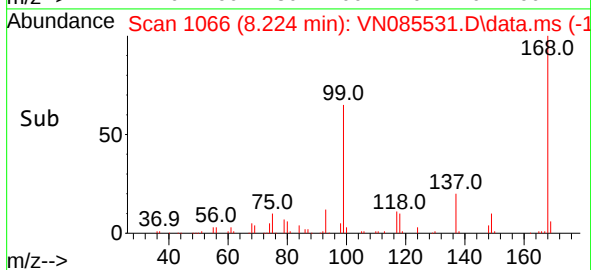
Tgt Ion: 76 Resp: 1741
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

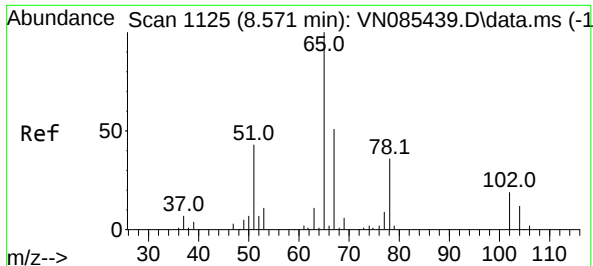


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12



Tgt Ion: 56 Resp: 4818
Ion Ratio Lower Upper
56 100
69 153.2 22.2 33.4#
84 153.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.711 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085531.D

Acq: 28 Jan 2025 12:12

Instrument :

MSVOA_N

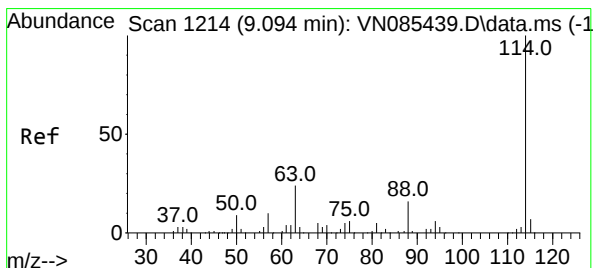
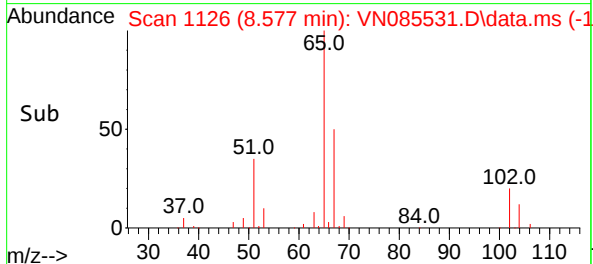
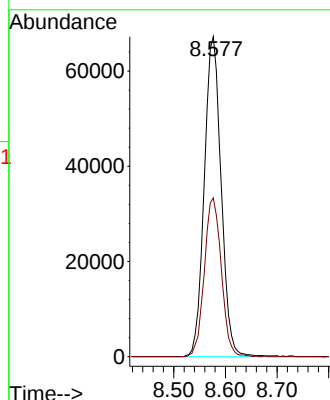
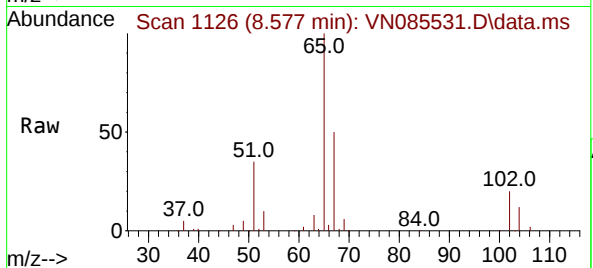
ClientSampleId :

Tgt Ion: 65 Resp: 152556

Ion Ratio Lower Upper

65 100

67 49.8 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085531.D

Acq: 28 Jan 2025 12:12

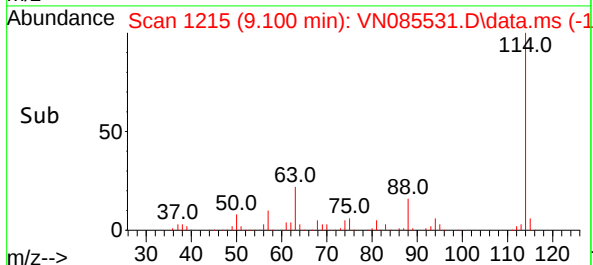
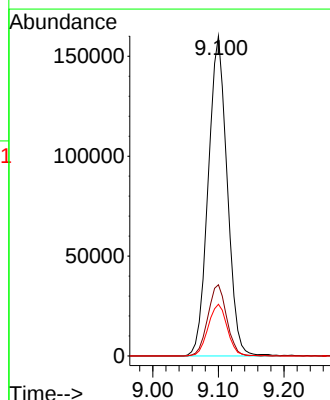
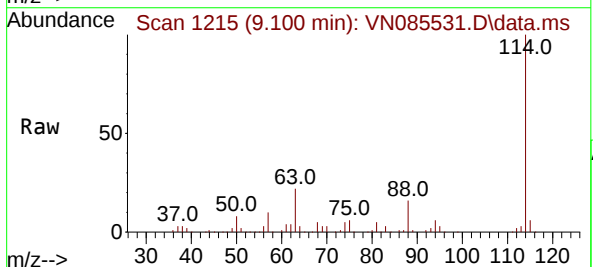
Tgt Ion: 114 Resp: 321181

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.270 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

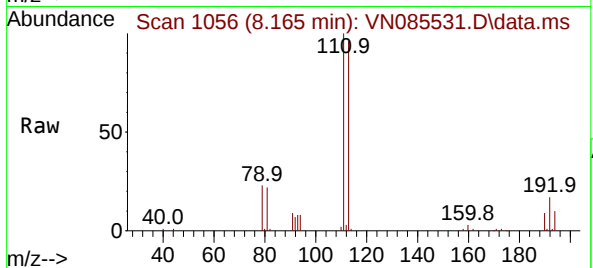
Lab File: VN085531.D

Acq: 28 Jan 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :



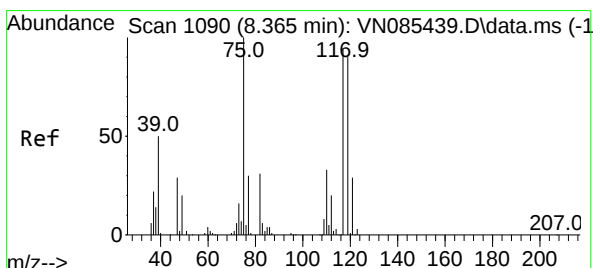
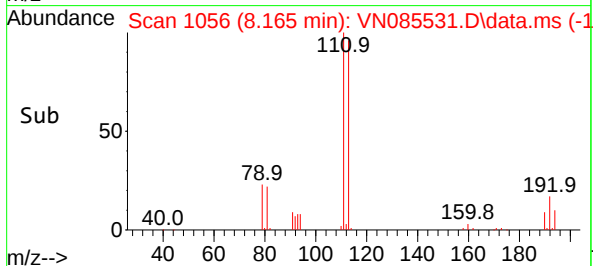
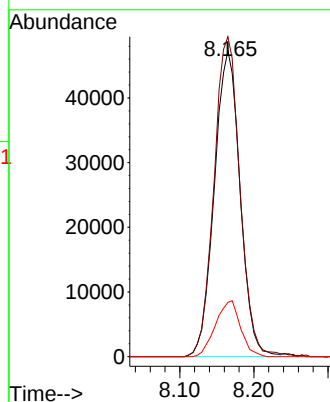
Tgt Ion:113 Resp: 114240

Ion Ratio Lower Upper

113 100

111 105.4 82.7 124.1

192 17.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.260 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085531.D

Acq: 28 Jan 2025 12:12

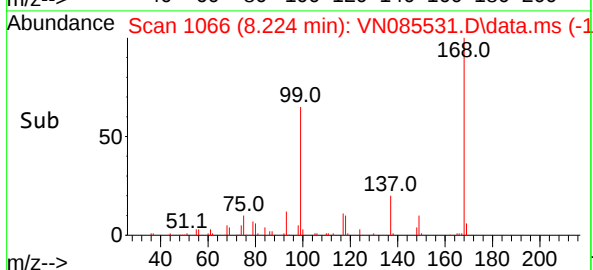
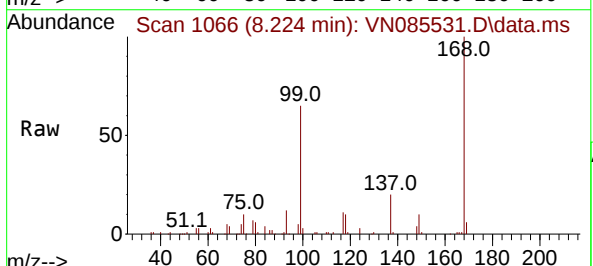
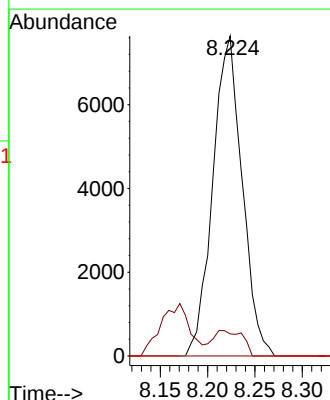
Tgt Ion: 75 Resp: 16448

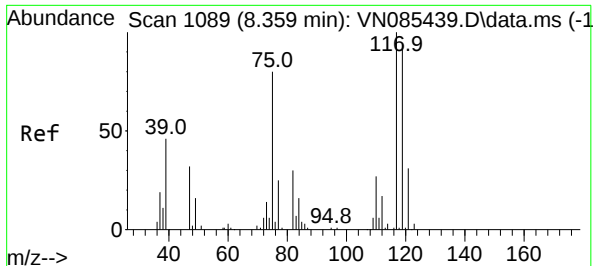
Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

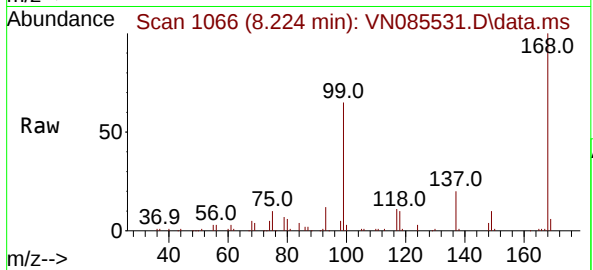
77 0.0 24.4 36.6#



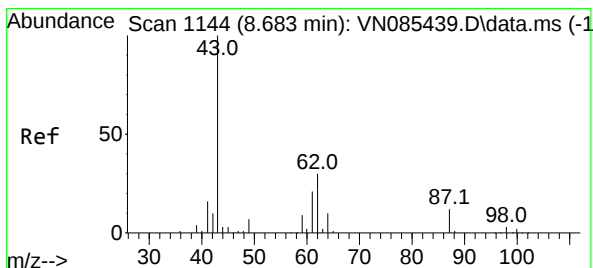
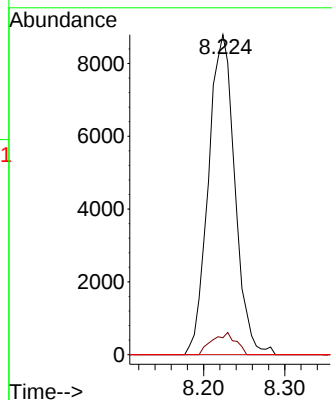
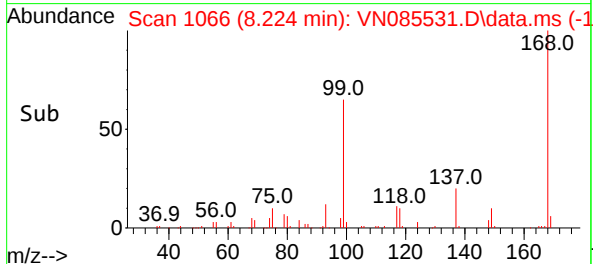


#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :

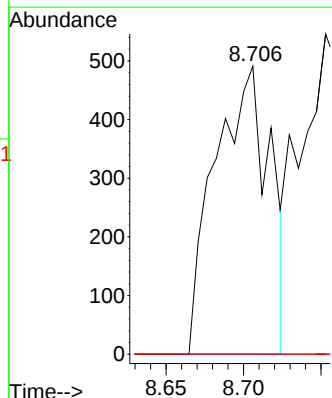
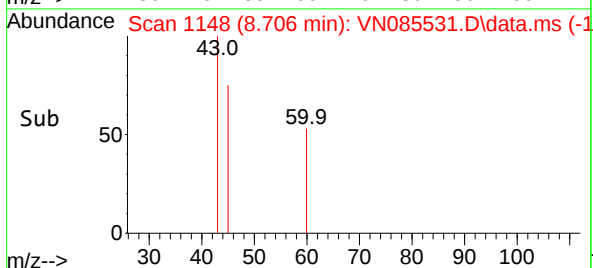
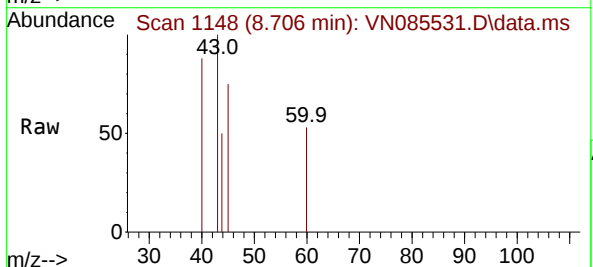


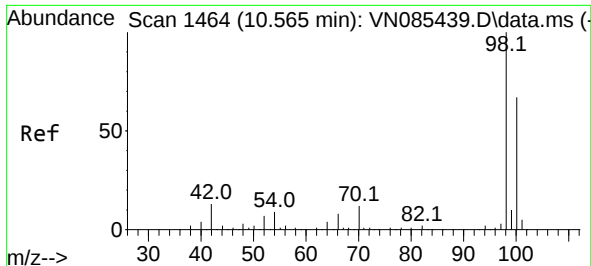
Tgt Ion:117 Resp: 19900
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.239 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.023 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

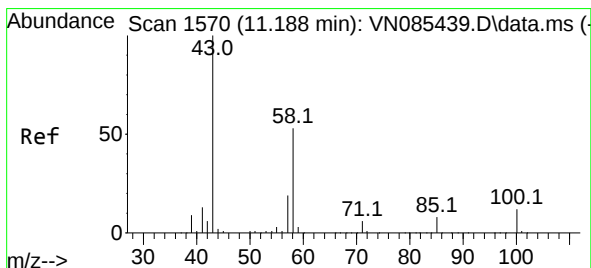
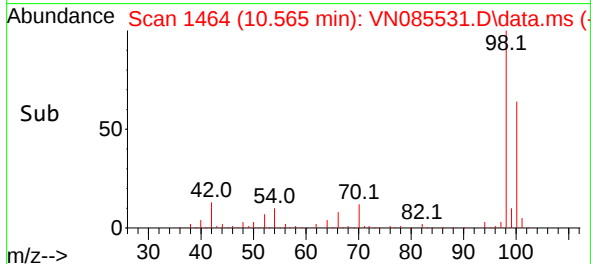
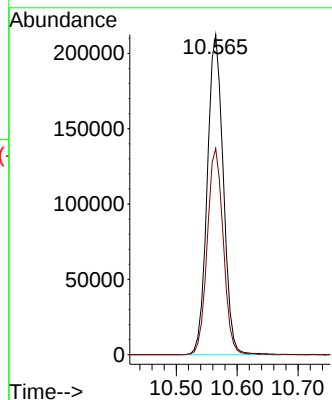
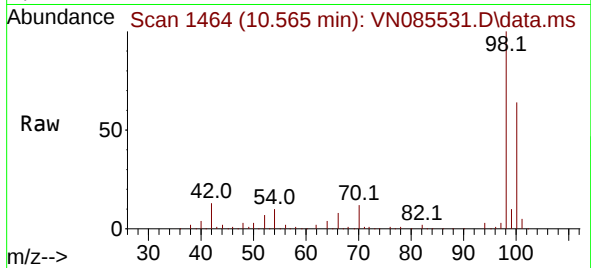




#50
Toluene-d8
Concen: 48.972 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

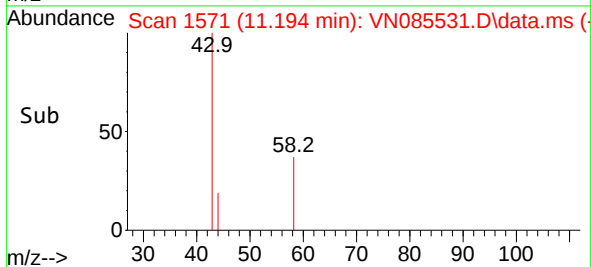
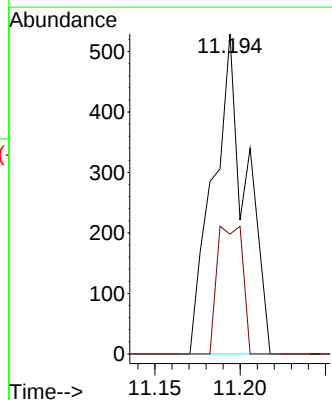
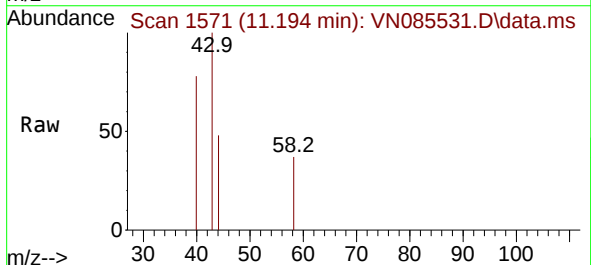
Instrument :
MSVOA_N
ClientSampleId :

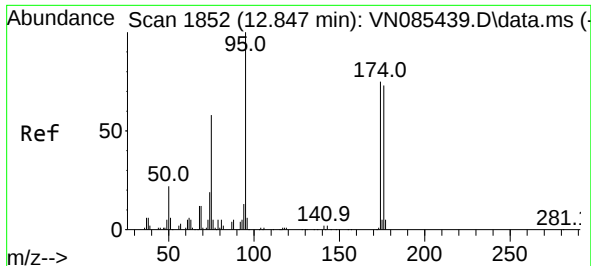
Tgt Ion: 98 Resp: 387697
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#59
2-Hexanone
Concen: 0.345 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 30.8 26.2 78.6

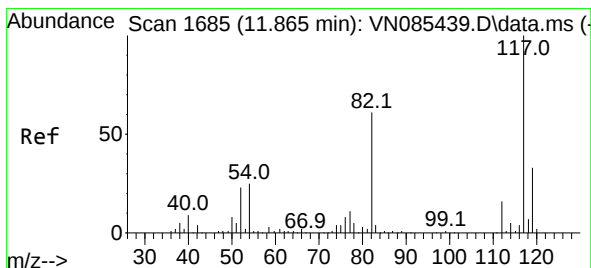
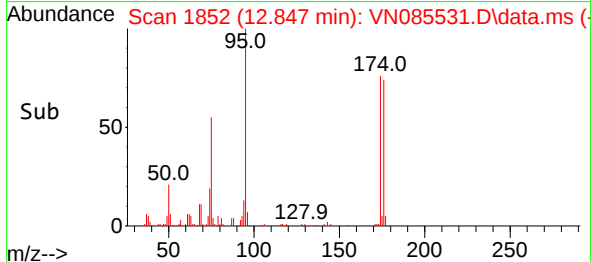
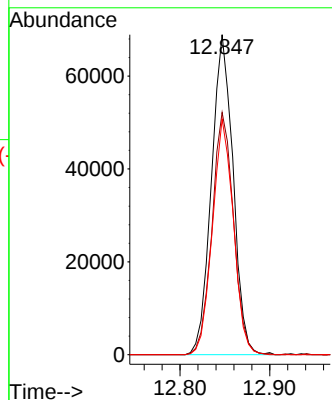
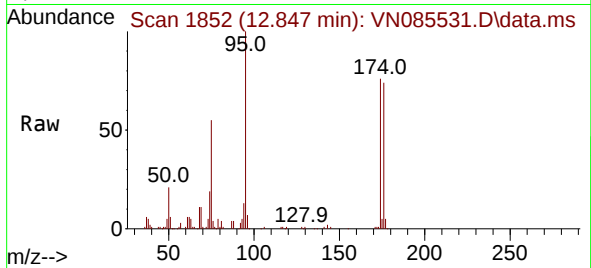




#62
4-Bromofluorobenzene
Concen: 42.537 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

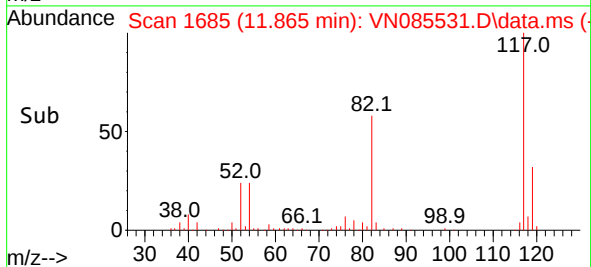
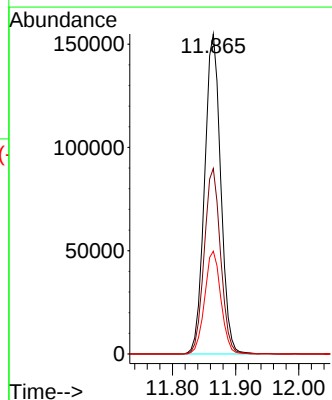
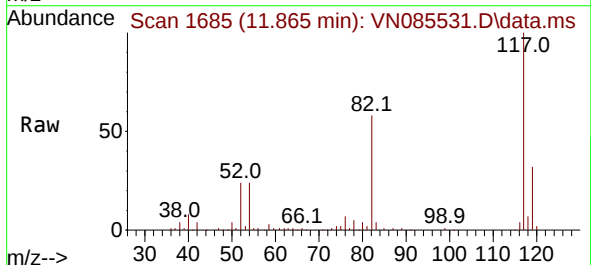
Instrument :
MSVOA_N
ClientSampleId :

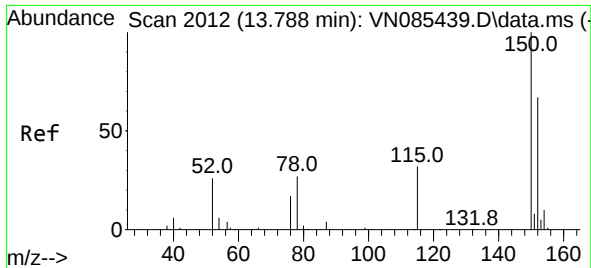
Tgt Ion: 95 Resp: 115197
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.0
176 71.5 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Tgt Ion: 117 Resp: 275065
Ion Ratio Lower Upper
117 100
82 58.0 48.6 72.8
119 32.1 26.6 39.8

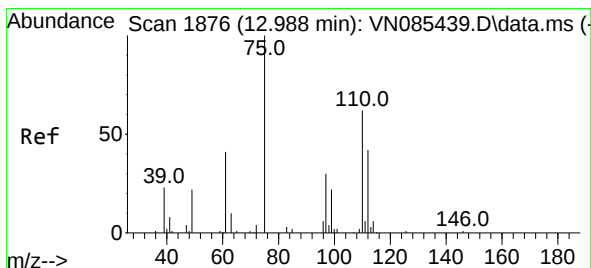
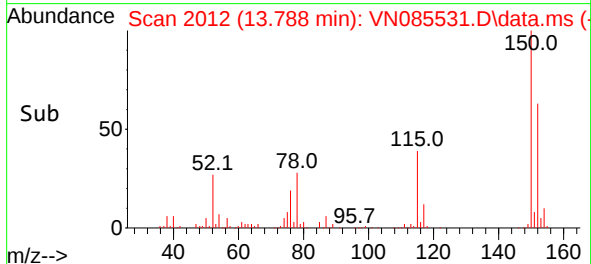
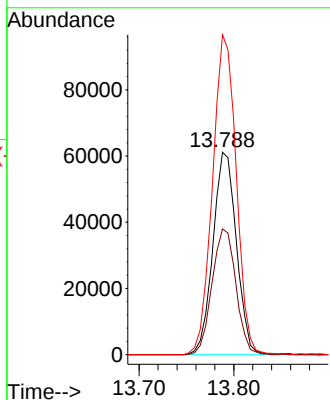
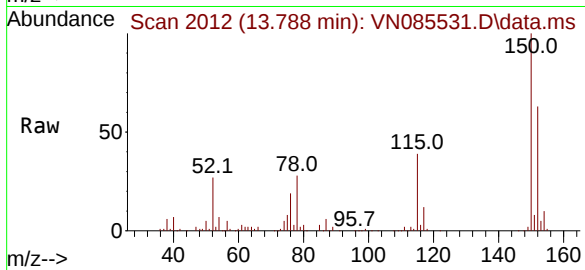




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085531.D
 Acq: 28 Jan 2025 12:12

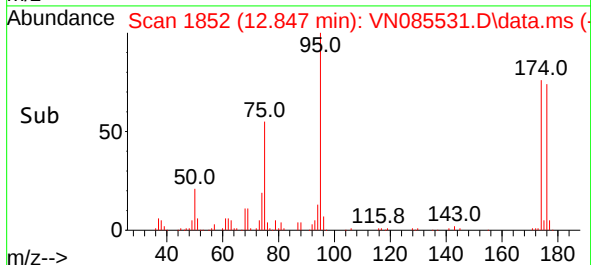
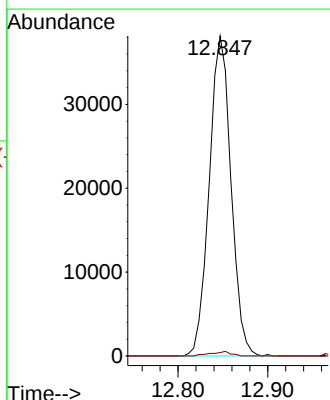
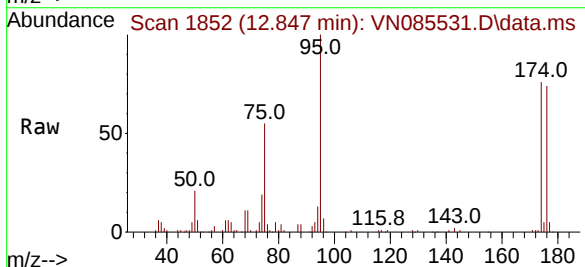
Instrument :
 MSVOA_N
 ClientSampleId :

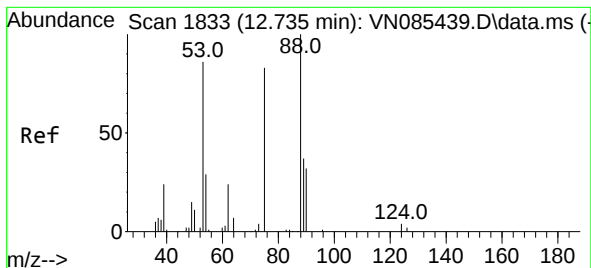
Tgt Ion:152 Resp: 105485
 Ion Ratio Lower Upper
 152 100
 115 63.0 31.1 93.3
 150 159.5 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 30.028 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085531.D
 Acq: 28 Jan 2025 12:12

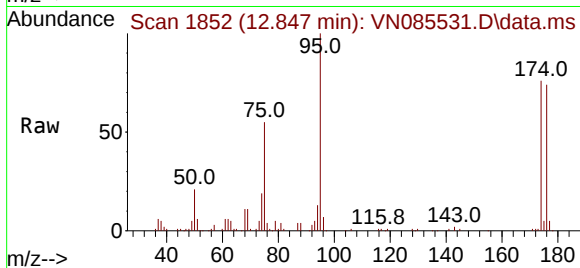
Tgt Ion: 75 Resp: 64381
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.7 329.2#



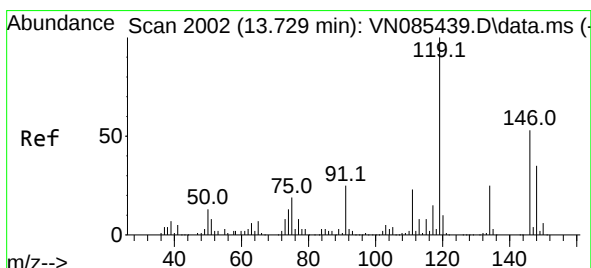
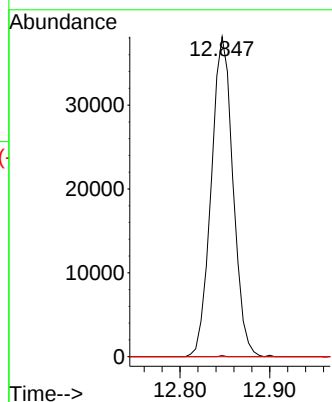
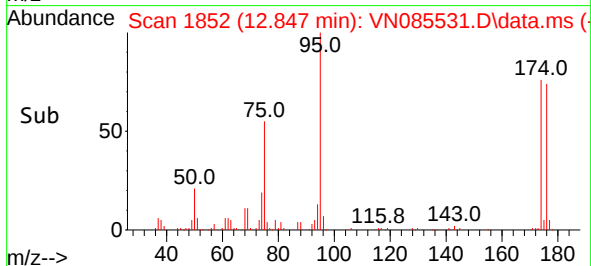


#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.244 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN085531.D
 Acq: 28 Jan 2025 12:12

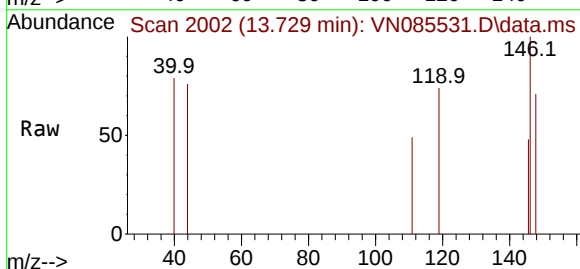
Instrument :
 MSVOA_N
 ClientSampleId :



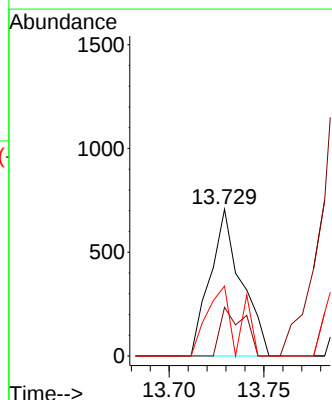
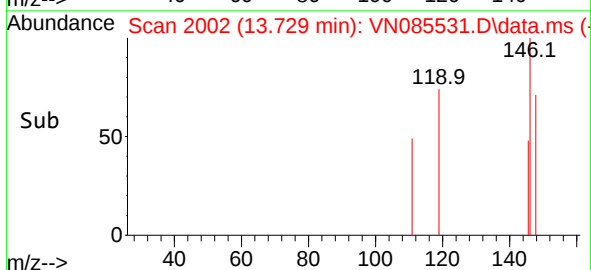
Tgt Ion: 75 Resp: 64381
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

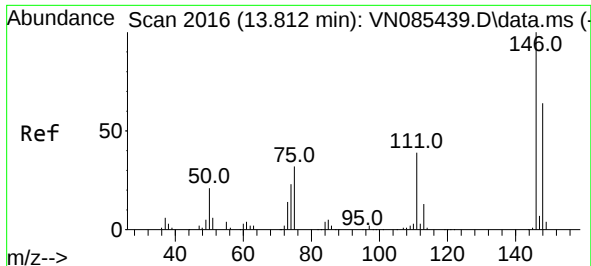


#87
 1,3-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN085531.D
 Acq: 28 Jan 2025 12:12



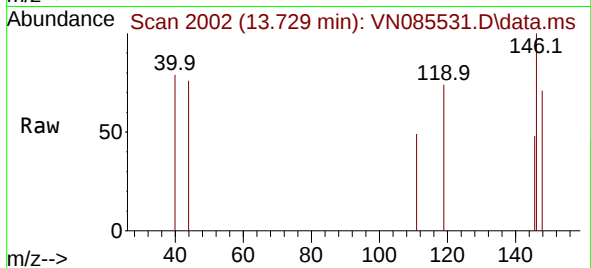
Tgt Ion: 146 Resp: 813
 Ion Ratio Lower Upper
 146 100
 111 25.2 21.4 64.3
 148 45.9 32.3 96.9



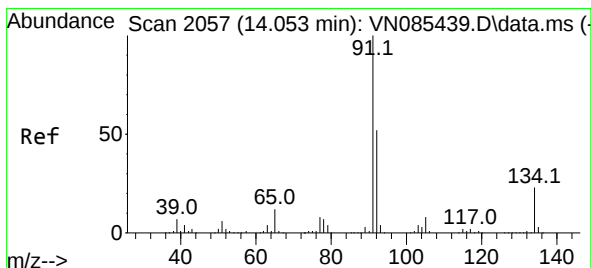
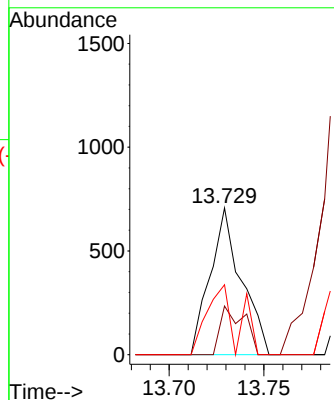
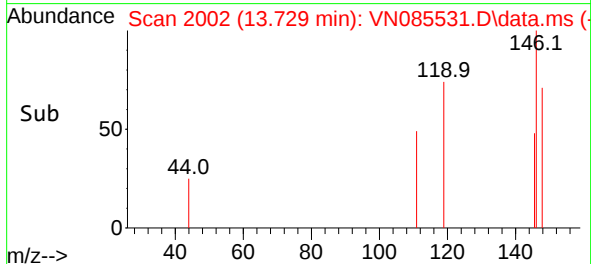


#88
1,4-Dichlorobenzene
Concen: 0.229 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :

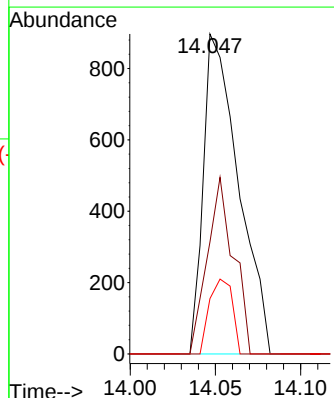
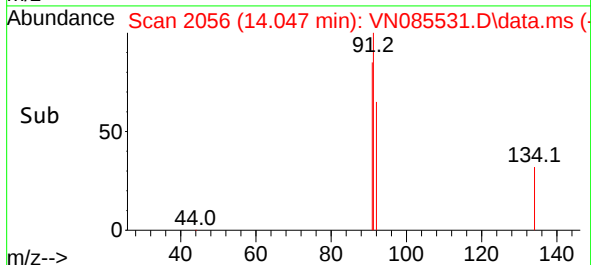
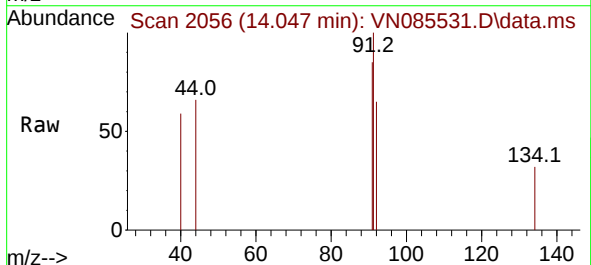


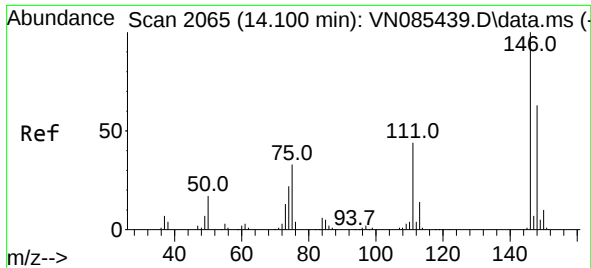
Tgt Ion:146 Resp: 813
Ion Ratio Lower Upper
146 100
111 25.2 21.3 63.7
148 45.9 32.4 97.0



#89
n-Butylbenzene
Concen: 0.262 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

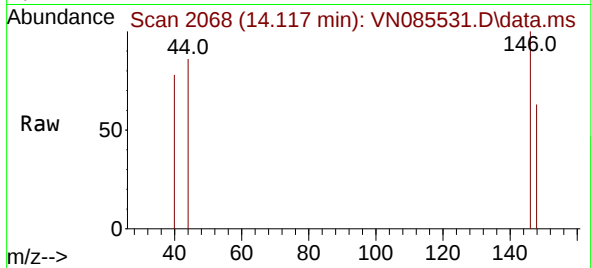
Tgt Ion: 91 Resp: 1288
Ion Ratio Lower Upper
91 100
92 41.0 25.8 77.3
134 15.2 11.7 35.1



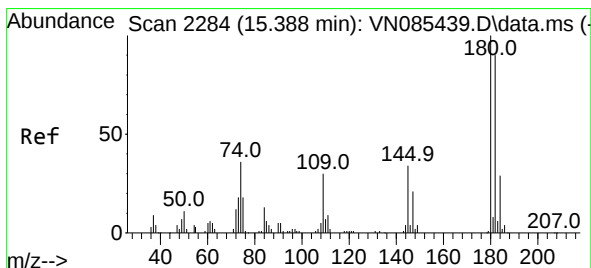
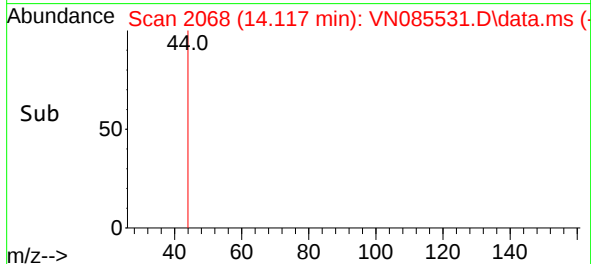
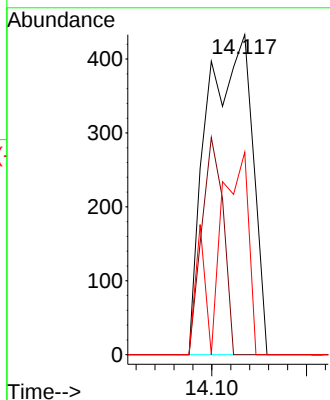


#91
1,2-Dichlorobenzene
Concen: 0.210 ug/l
RT: 14.117 min Scan# 2068
Delta R.T. 0.018 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :

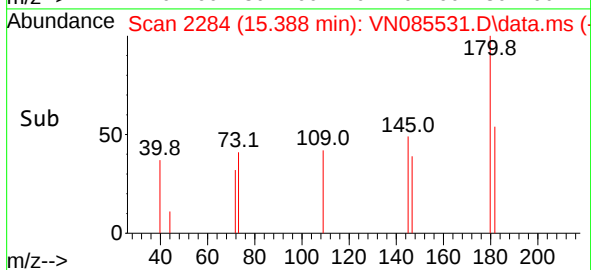
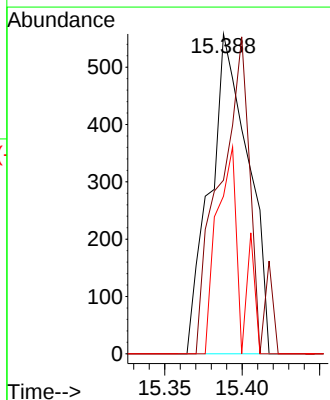
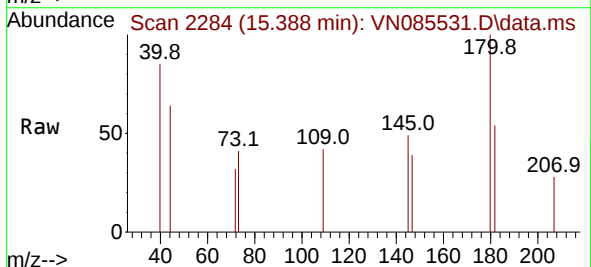


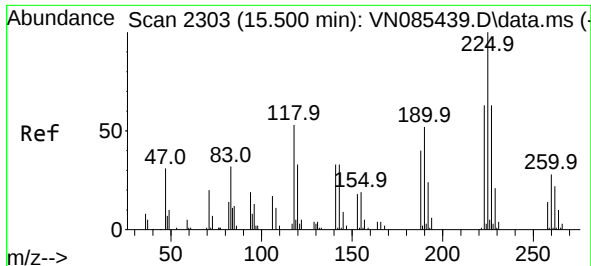
Tgt Ion:146 Resp: 716
Ion Ratio Lower Upper
146 100
111 32.4 21.7 65.1
148 44.4 31.4 94.2



#93
1,2,4-Trichlorobenzene
Concen: 0.604 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

Tgt Ion:180 Resp: 959
Ion Ratio Lower Upper
180 100
182 81.4 46.8 140.3
145 39.9 16.0 48.0

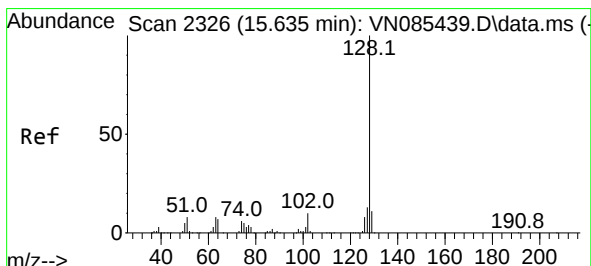
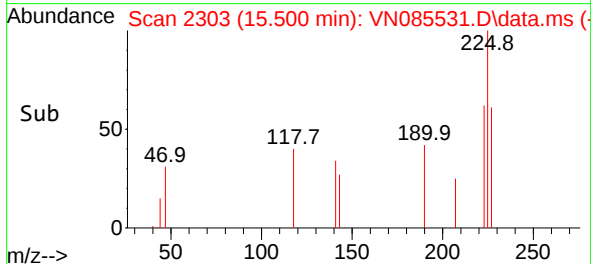
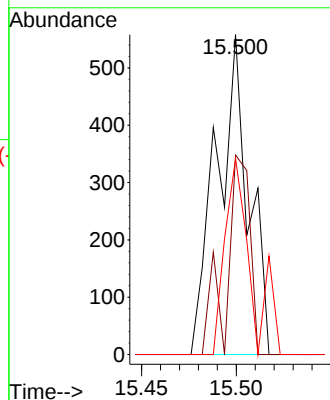
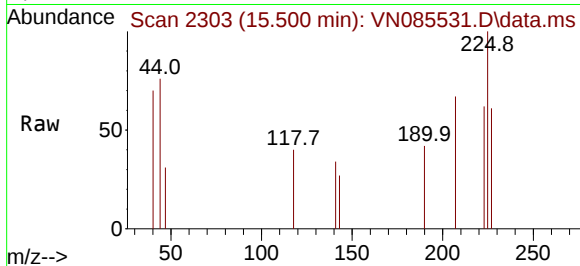




#94
Hexachlorobutadiene
Concen: 0.779 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

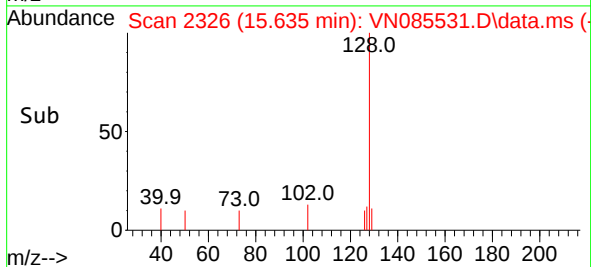
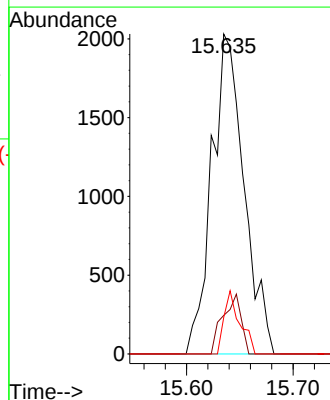
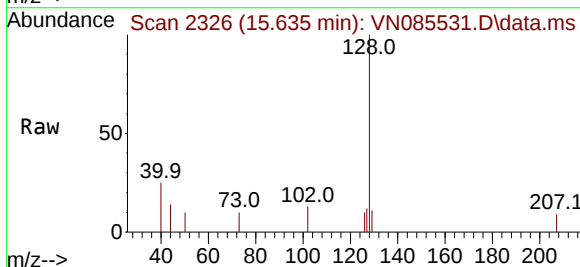
Instrument :
MSVOA_N
ClientSampleId :

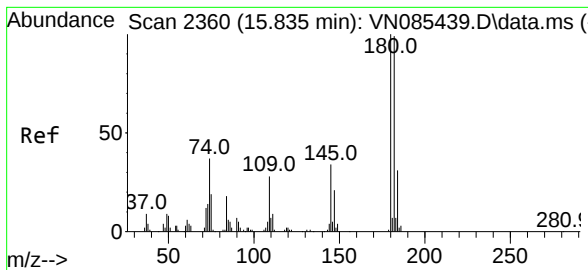
Tgt Ion:225 Resp: 657
Ion Ratio Lower Upper
225 100
223 45.5 30.7 92.1
227 49.2 30.9 92.5



#95
Naphthalene
Concen: 0.903 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN085531.D
Acq: 28 Jan 2025 12:12

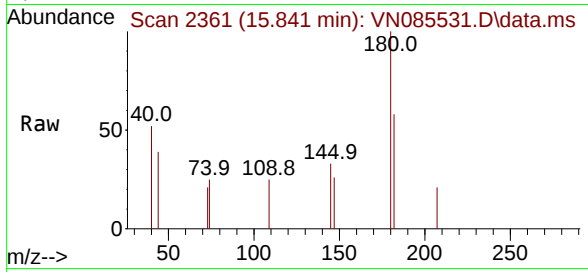
Tgt Ion:128 Resp: 4280
Ion Ratio Lower Upper
128 100
127 10.7 10.6 16.0
129 9.6 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.751 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085531.D
 Acq: 28 Jan 2025 12:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1207
Ion	Ratio	Lower	Upper
180	100		
182	86.4	47.4	142.2
145	29.7	16.9	50.7

