

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
 Data File : VN085452.D
 Acq On : 15 Jan 2025 11:26
 Operator : JC\MD
 Sample : Q1062-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 16 00:55:29 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	8.218	168	175474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107831	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149471	52.770	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.540%	
35) Dibromofluoromethane	8.165	113	114177	52.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.020%	
50) Toluene-d8	10.565	98	384211	49.257	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	12.847	95	123439	46.262	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.520%	

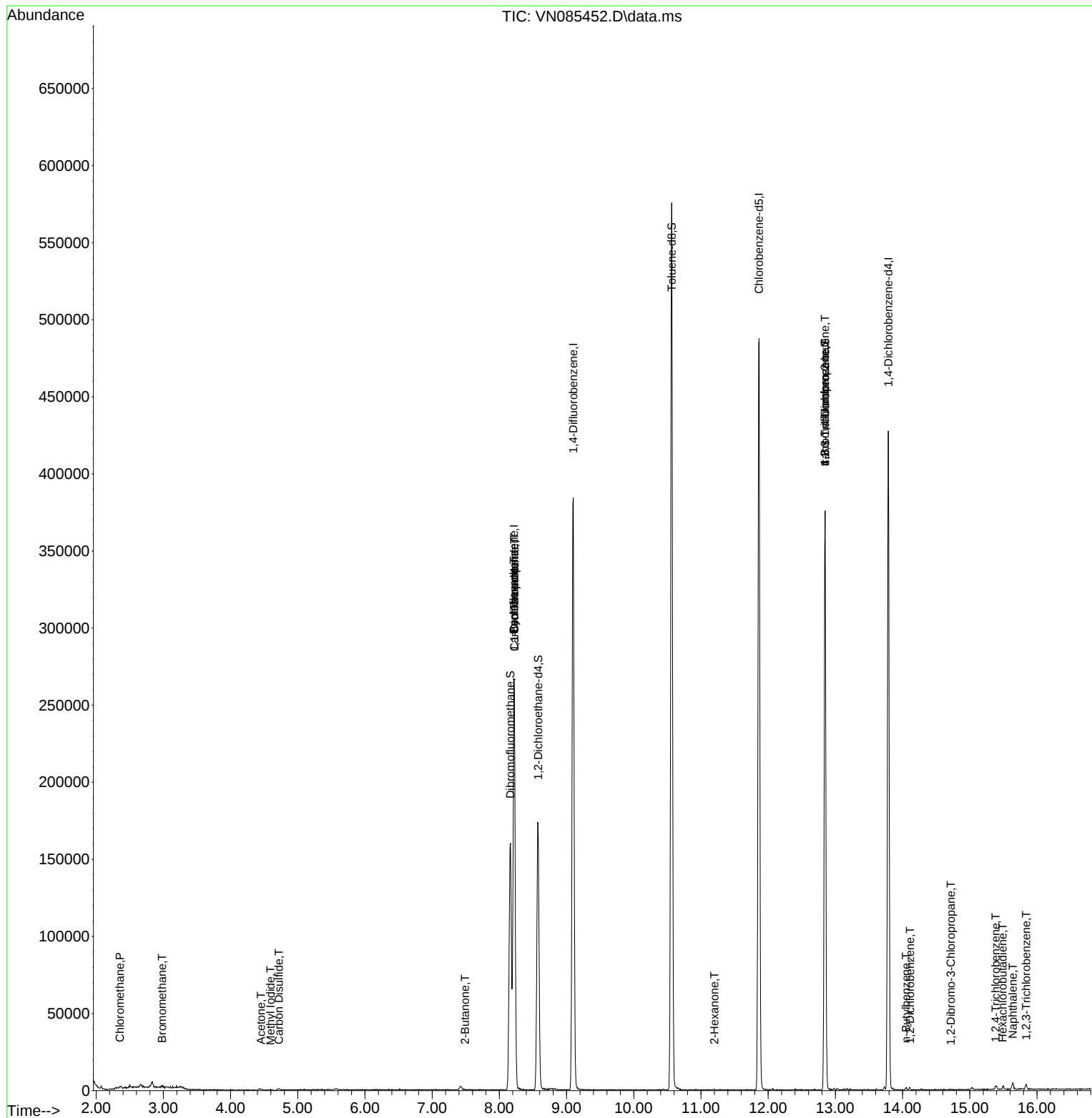
Target Compounds			Qvalue			
3) Chloromethane	2.353	50	744	0.289	ug/l #	41
5) Bromomethane	2.983	94	797	0.510	ug/l #	68
10) Methyl Iodide	4.594	142	581	0.240	ug/l #	90
16) Acetone	4.453	43	1932	2.111	ug/l	95
17) Carbon Disulfide	4.718	76	1747	0.301	ug/l #	76
25) 2-Butanone	7.488	43	581	0.431	ug/l #	50
31) Cyclohexane	8.218	56	5178	1.440	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	17176	5.574	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20247	5.740	ug/l #	19
59) 2-Hexanone	11.200	43	510	0.251	ug/l #	57
76) 1,2,3-Trichloropropane	12.847	75	70805	32.306	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70805	87.406	ug/l #	3
89) n-Butylbenzene	14.053	91	1436	0.286	ug/l #	81
91) 1,2-Dichlorobenzene	14.111	146	716	0.205	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.717	75	120	0.256	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.388	180	1023	0.630	ug/l #	76
94) Hexachlorobutadiene	15.488	225	523	0.607	ug/l	88
95) Naphthalene	15.641	128	4859	1.003	ug/l	95
96) 1,2,3-Trichlorobenzene	15.841	180	1159	0.706	ug/l	91

(#) = 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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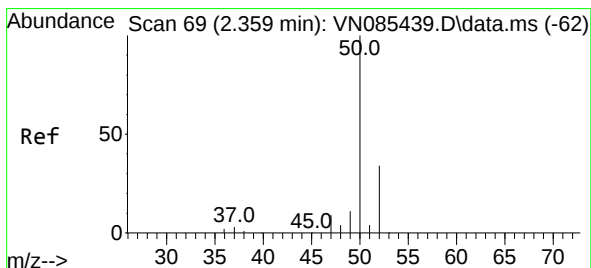
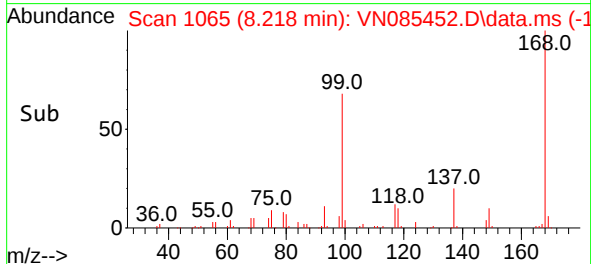
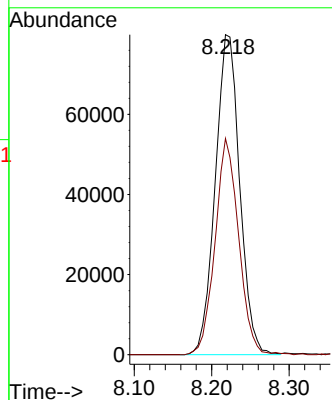
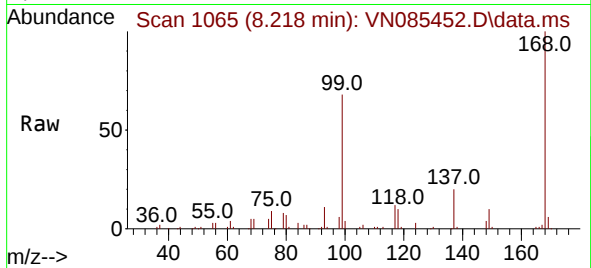




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

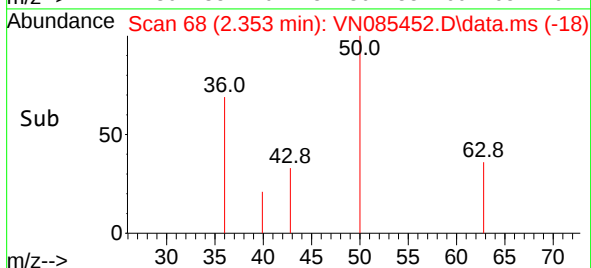
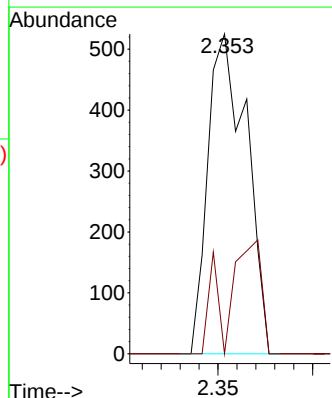
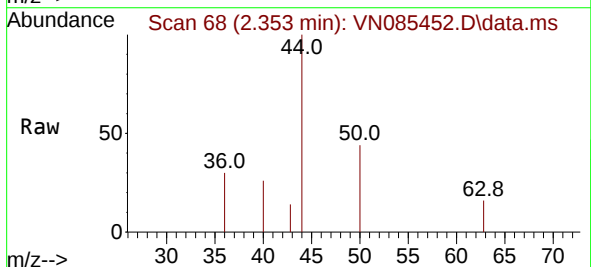
Instrument :
MSVOA_N
ClientSampleId :

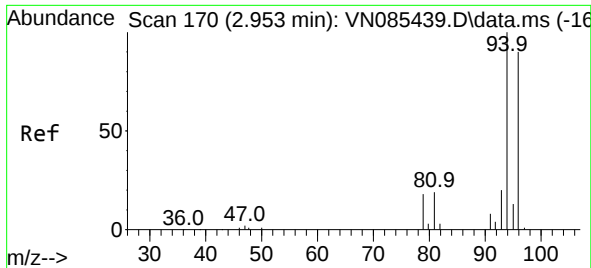
Tgt Ion:168 Resp: 175474
Ion Ratio Lower Upper
168 100
99 67.5 53.6 80.4



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

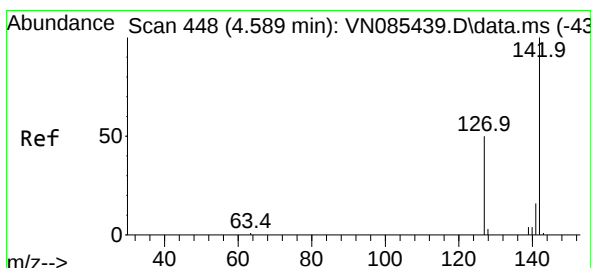
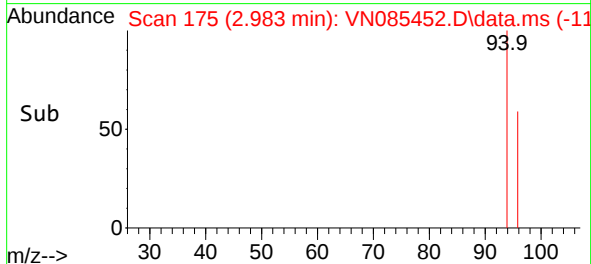
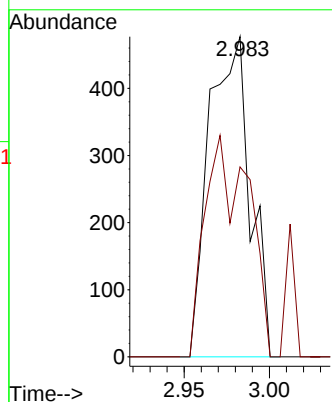
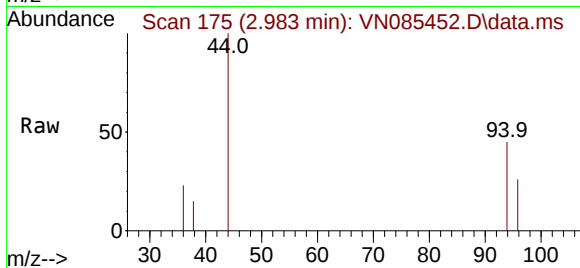




#5
Bromomethane
Concen: 0.510 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

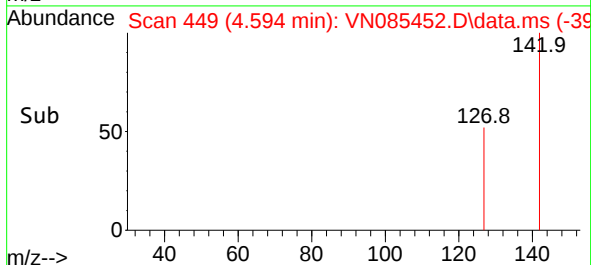
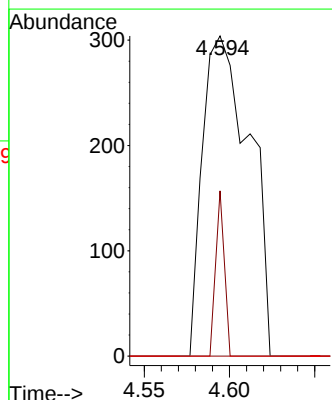
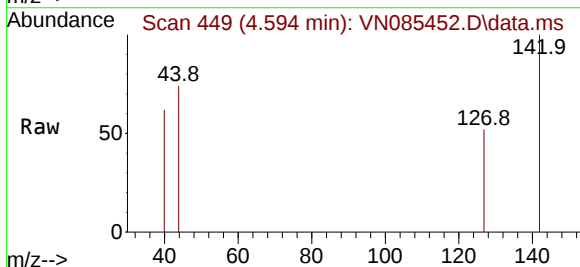
Instrument :
MSVOA_N
ClientSampleId :

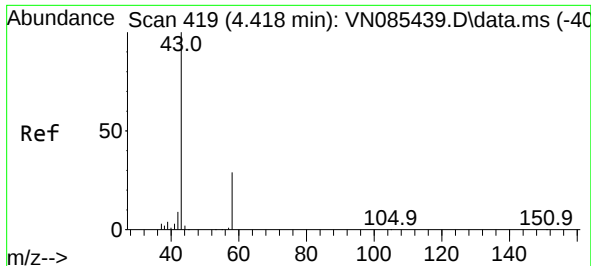
Tgt Ion: 94 Resp: 797
Ion Ratio Lower Upper
94 100
96 59.3 71.8 107.6#



#10
Methyl Iodide
Concen: 0.240 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion: 142 Resp: 581
Ion Ratio Lower Upper
142 100
127 51.6 40.3 60.5
141 0.0 12.8 19.2#

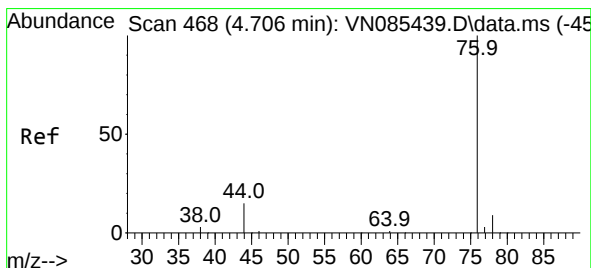
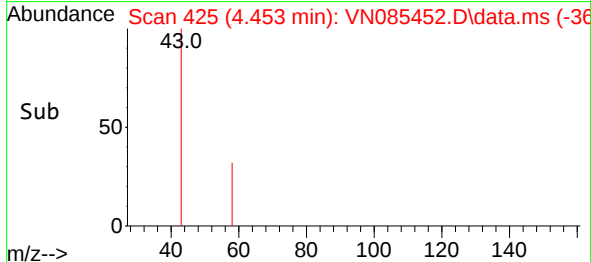
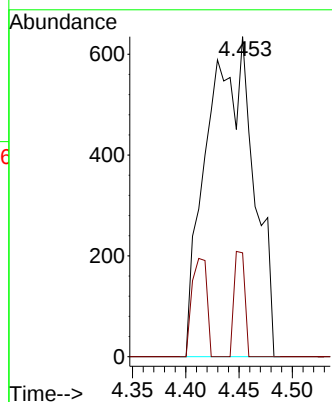
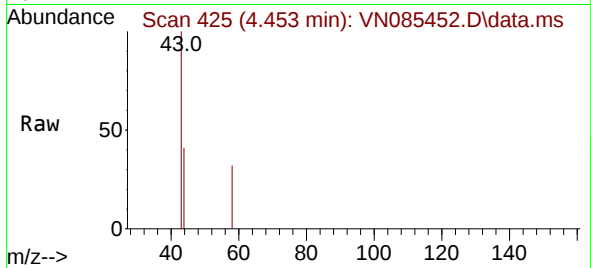




#16
Acetone
Concen: 2.111 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

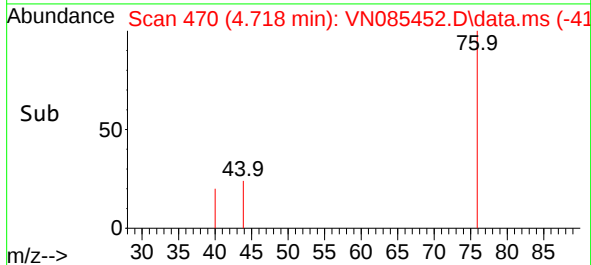
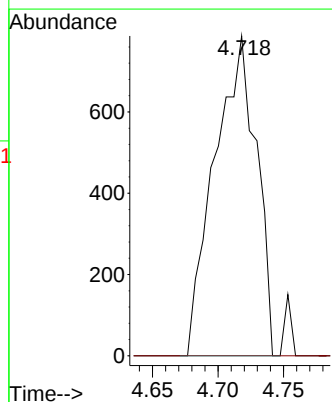
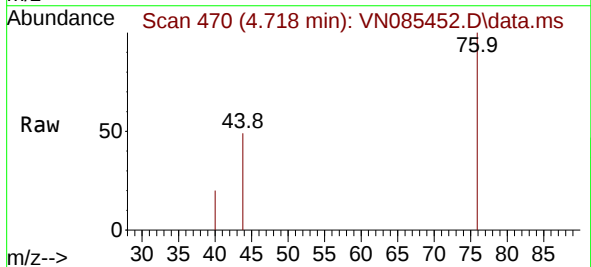
Instrument :
MSVOA_N
ClientSampleId :

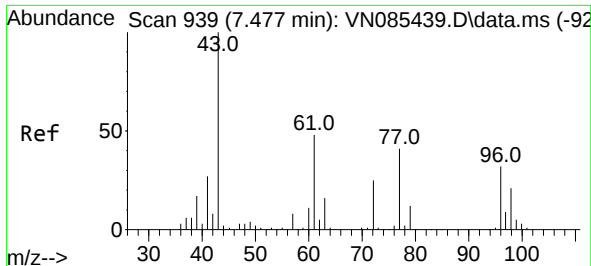
Tgt Ion: 43 Resp: 1932
Ion Ratio Lower Upper
43 100
58 32.4 23.8 35.6



#17
Carbon Disulfide
Concen: 0.301 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion: 76 Resp: 1747
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

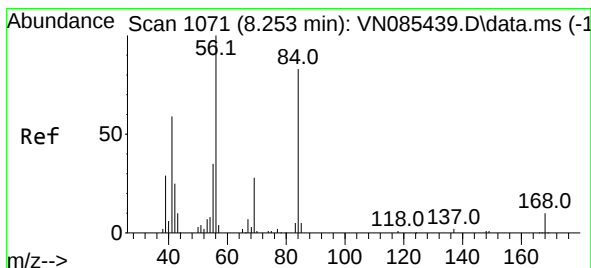
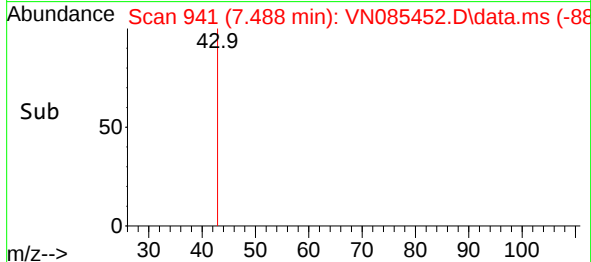
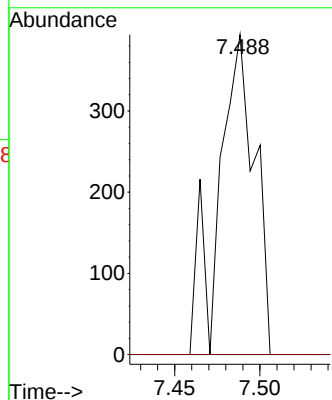
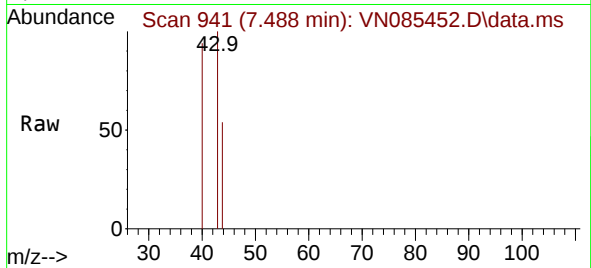




#25
2-Butanone
Concen: 0.431 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

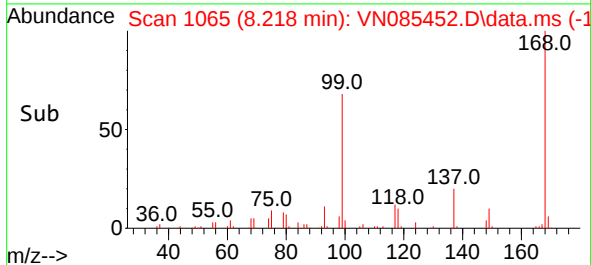
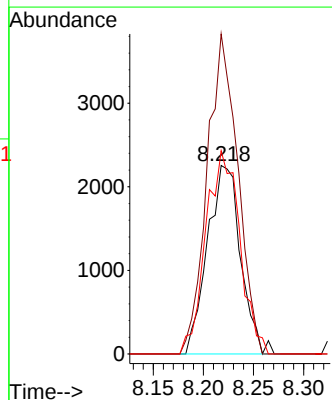
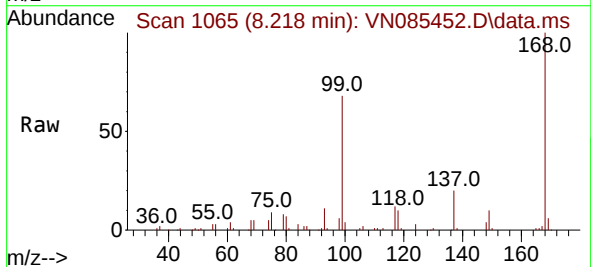
Instrument :
MSVOA_N
ClientSampleId :

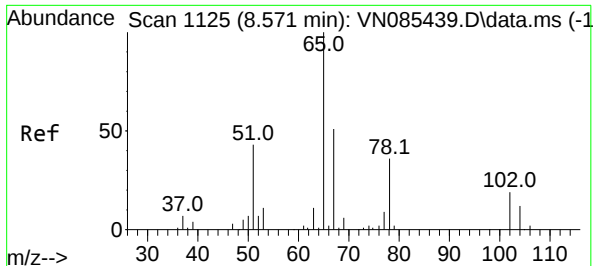
Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#31
Cyclohexane
Concen: 1.440 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion: 56 Resp: 5178
Ion Ratio Lower Upper
56 100
69 169.8 22.2 33.4#
84 107.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.770 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085452.D

Acq: 15 Jan 2025 11:26

Instrument :

MSVOA_N

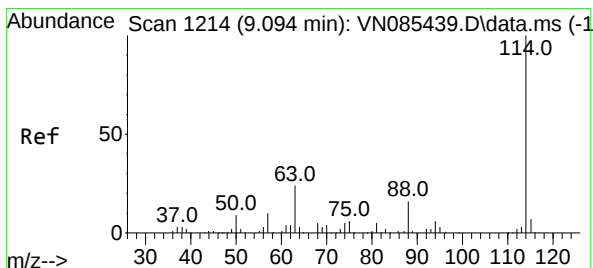
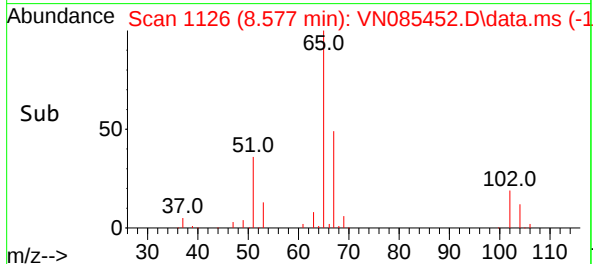
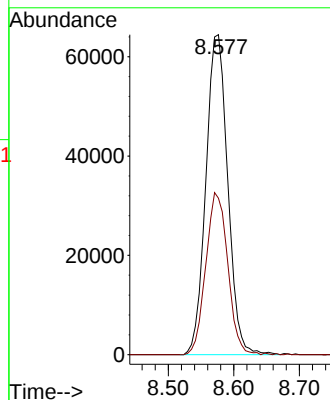
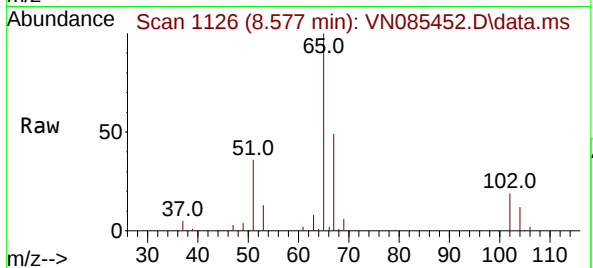
ClientSampleId :

Tgt Ion: 65 Resp: 149471

Ion Ratio Lower Upper

65 100

67 50.8 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: VN085452.D

Acq: 15 Jan 2025 11:26

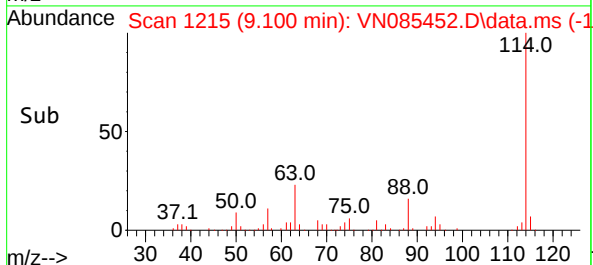
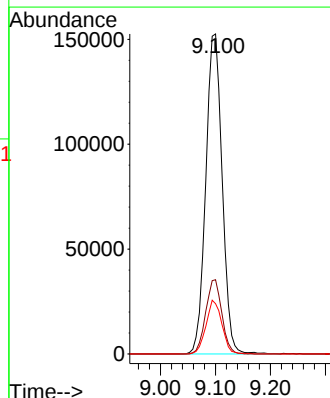
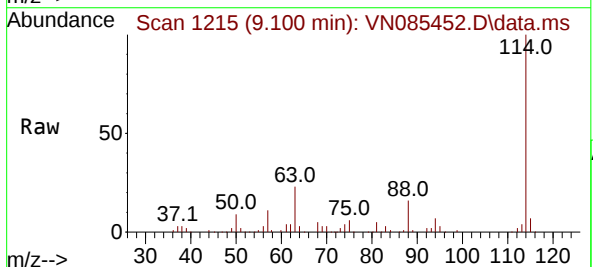
Tgt Ion: 114 Resp: 316452

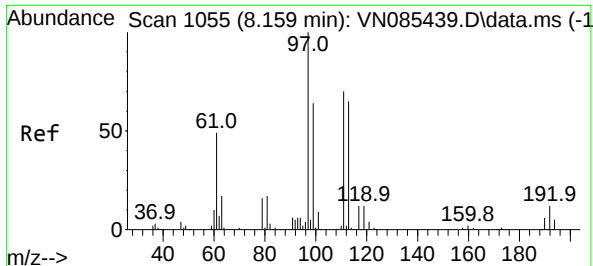
Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.6

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.007 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

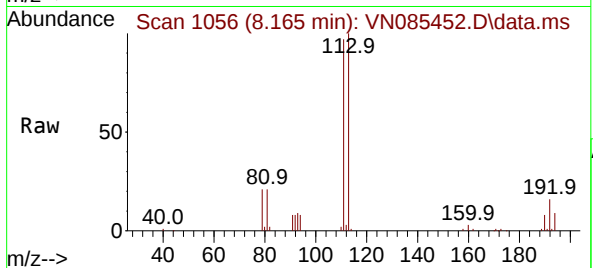
Lab File: VN085452.D

Acq: 15 Jan 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :



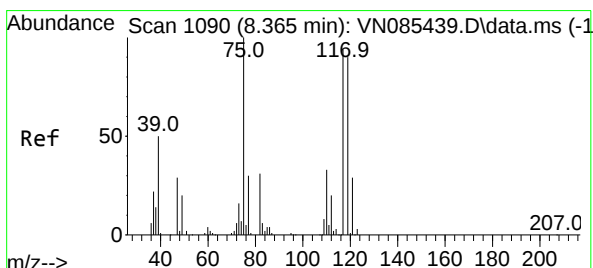
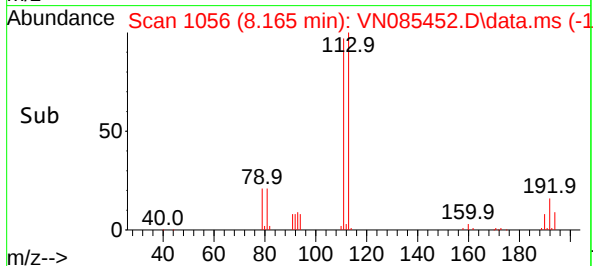
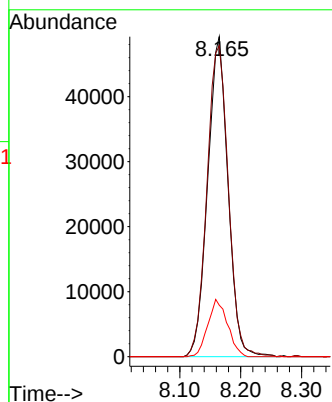
Tgt Ion:113 Resp: 114177

Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.574 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085452.D

Acq: 15 Jan 2025 11:26

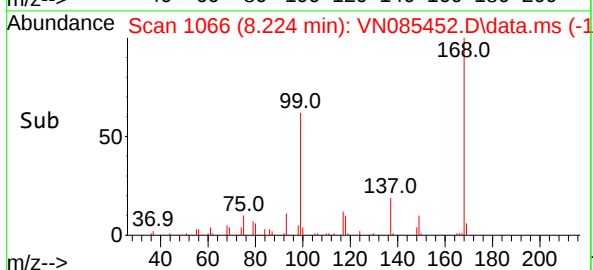
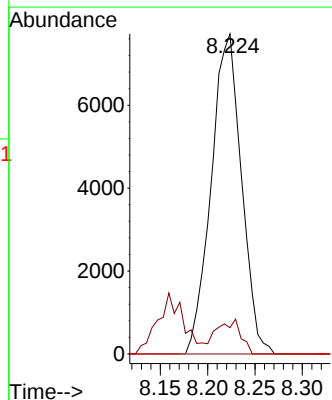
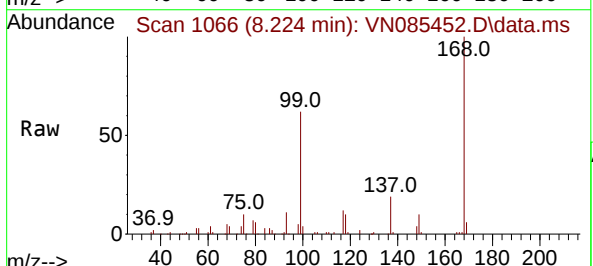
Tgt Ion: 75 Resp: 17176

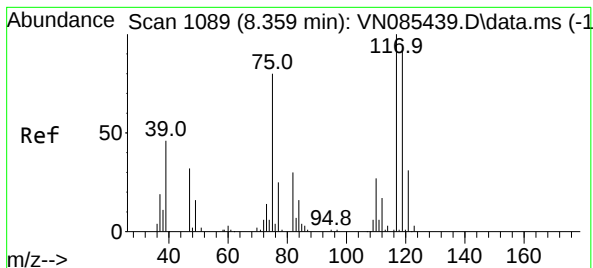
Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

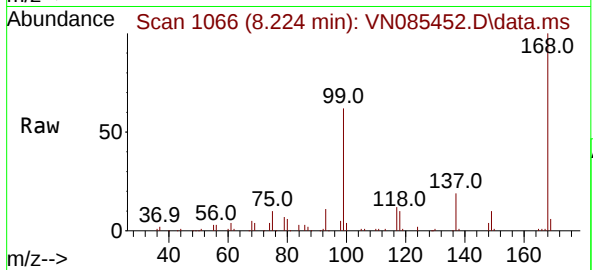
Lab File: VN085452.D

Acq: 15 Jan 2025 11:26

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MSVOA_N

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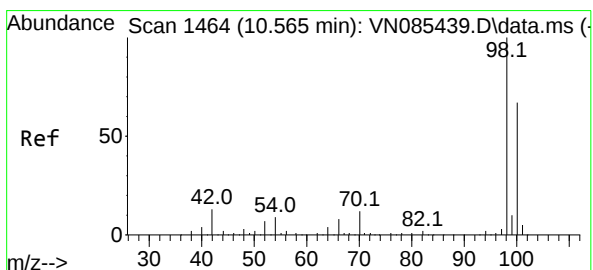
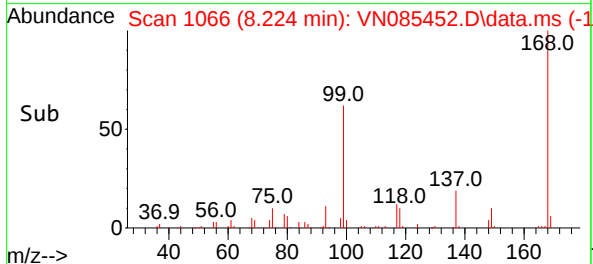
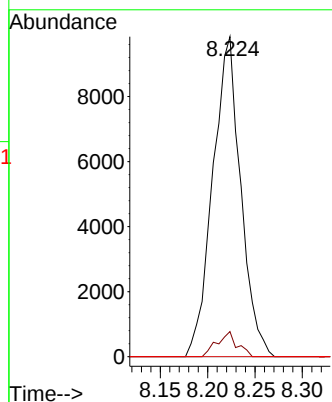
Tgt Ion:117 Resp: 20247

Ion Ratio Lower Upper

117 100

119 7.9 75.4 113.2#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 49.257 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085452.D

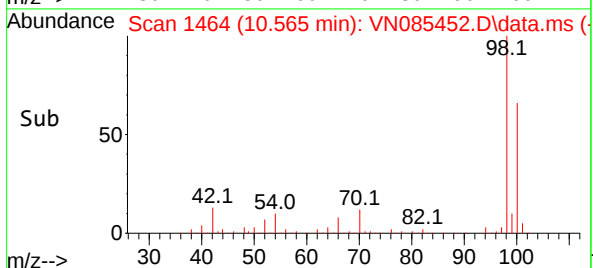
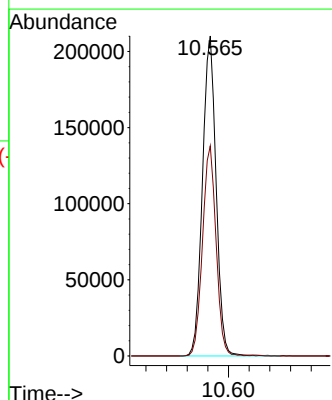
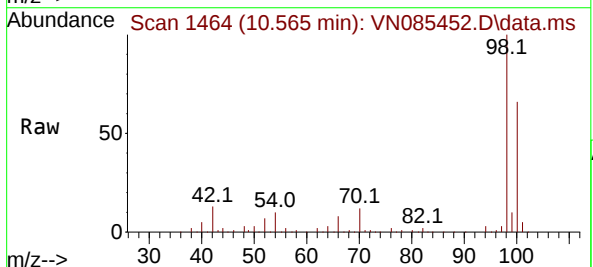
Acq: 15 Jan 2025 11:26

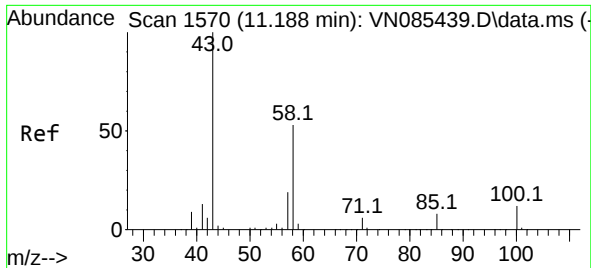
Tgt Ion: 98 Resp: 384211

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4

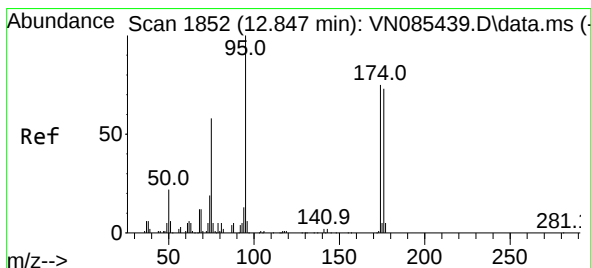
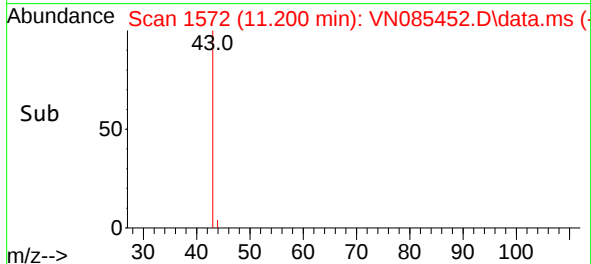
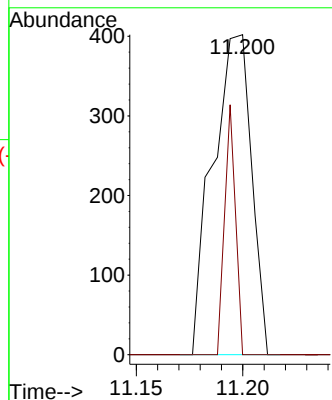
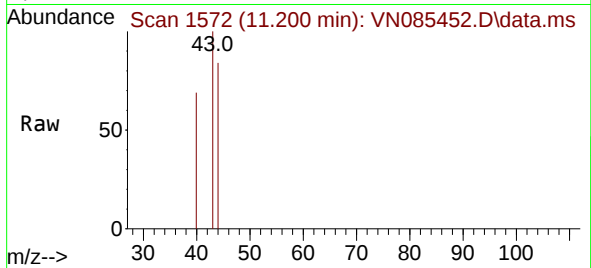




#59
2-Hexanone
Concen: 0.251 ug/l
RT: 11.200 min Scan# 1117
Delta R.T. 0.012 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

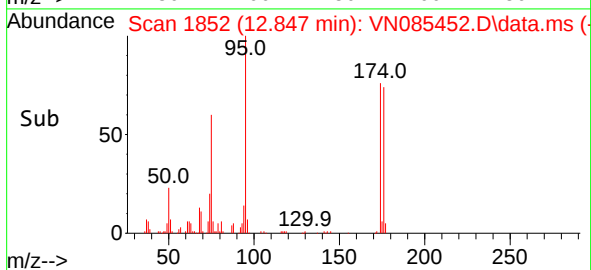
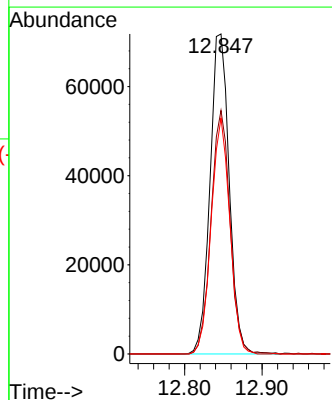
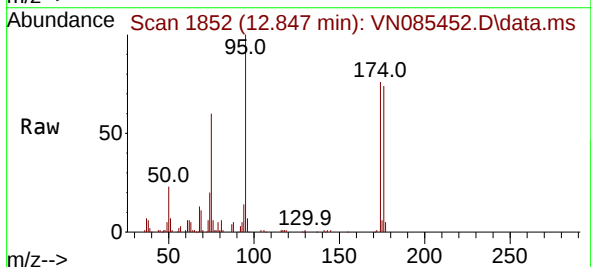
Instrument :
MSVOA_N
ClientSampleId :

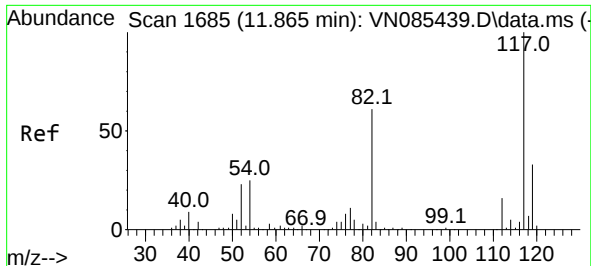
Tgt Ion: 43 Resp: 510
Ion Ratio Lower Upper
43 100
58 21.8 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion: 95 Resp: 123439
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.0
176 71.6 0.0 142.4

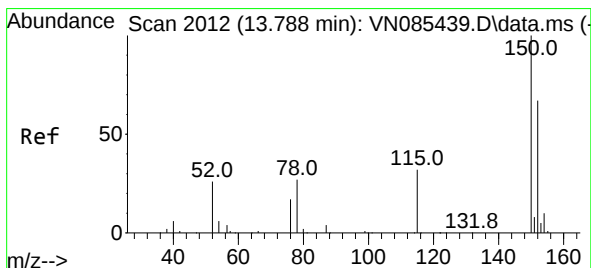
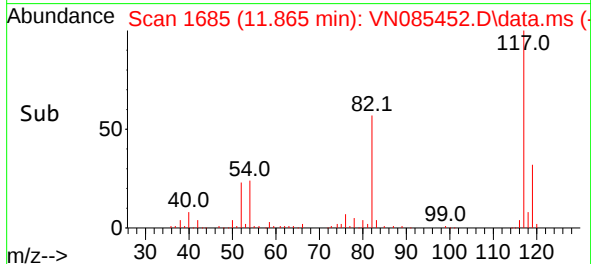
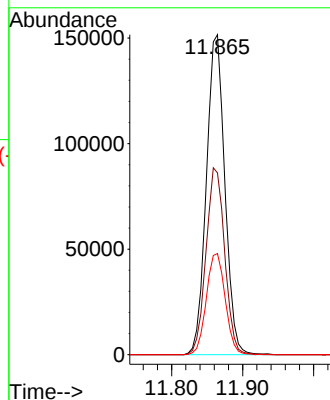
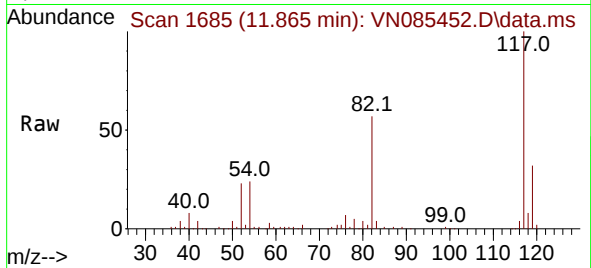




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

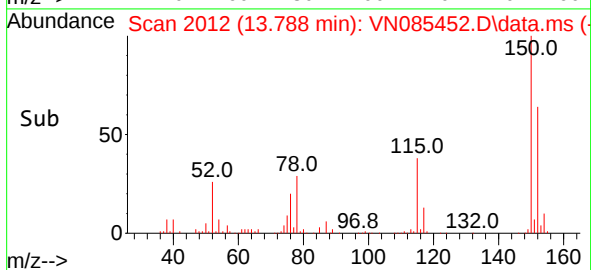
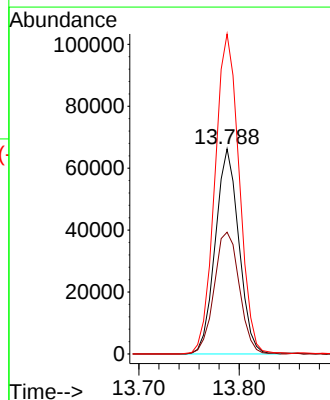
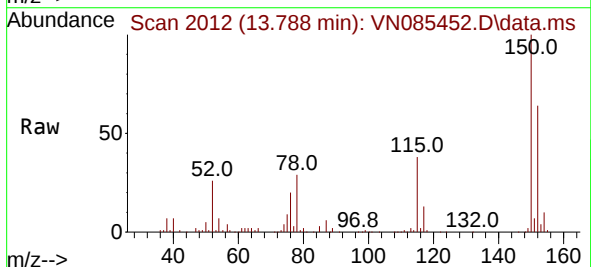
Instrument :
MSVOA_N
ClientSampleId :

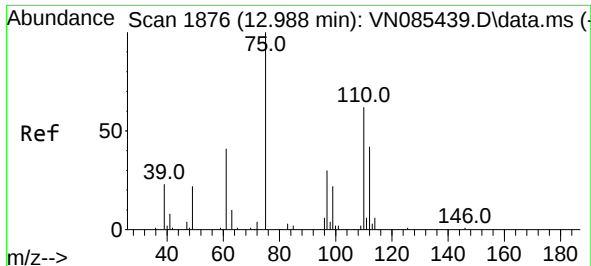
Tgt Ion:117 Resp: 274227
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion:152 Resp: 107831
Ion Ratio Lower Upper
152 100
115 63.6 31.1 93.3
150 161.7 0.0 343.6

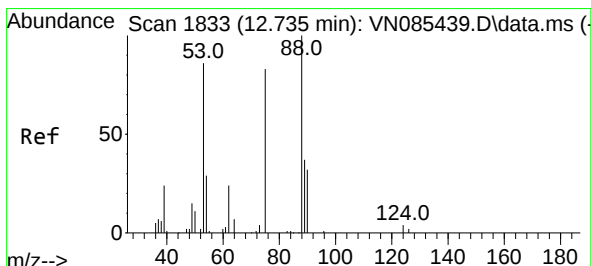
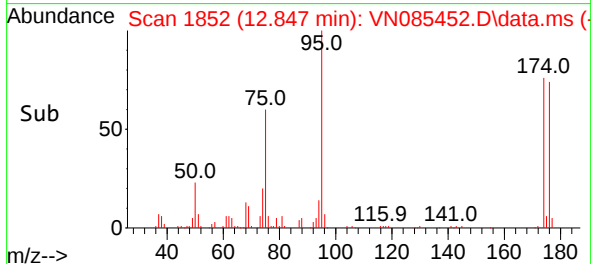
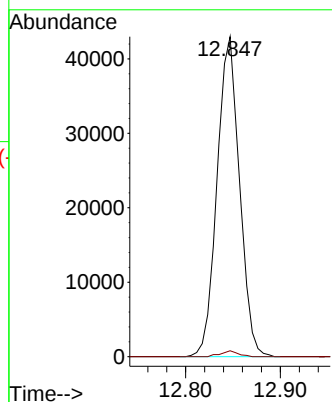
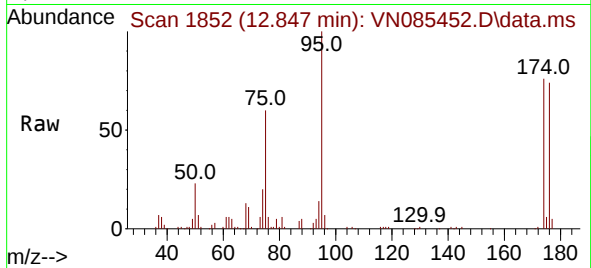




#76
1,2,3-Trichloropropane
Concen: 32.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

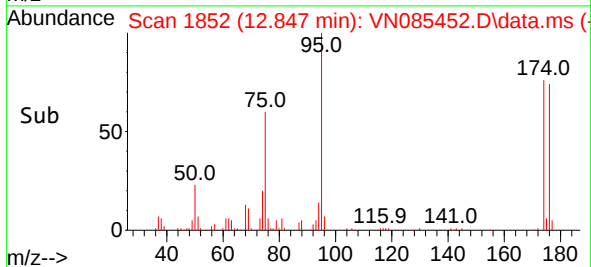
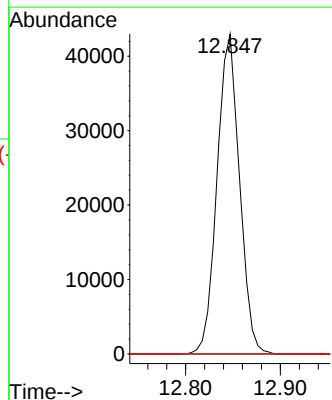
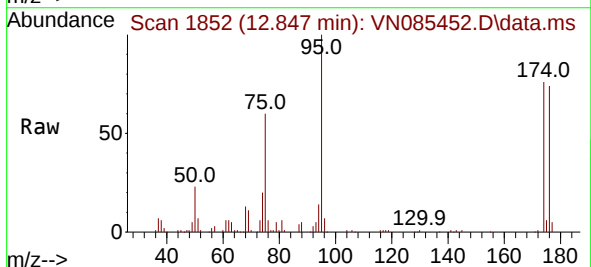
Instrument :
MSVOA_N
ClientSampleId :

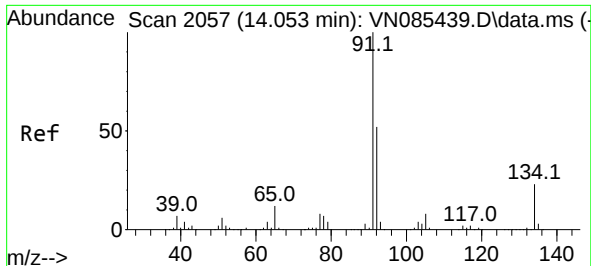
Tgt Ion: 75 Resp: 70805
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.406 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

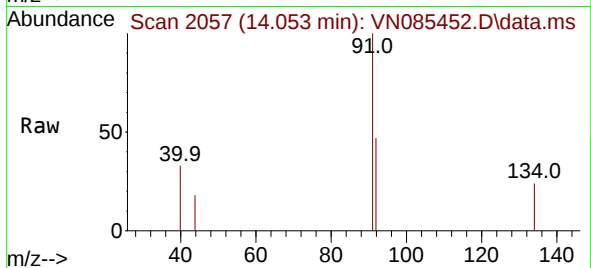
Tgt Ion: 75 Resp: 70805
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



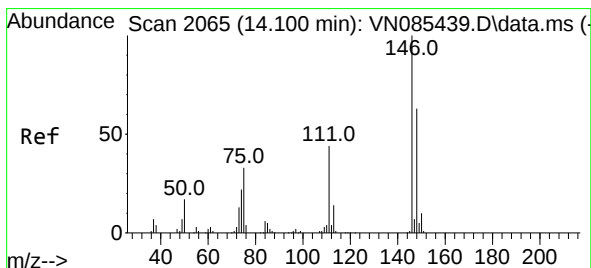
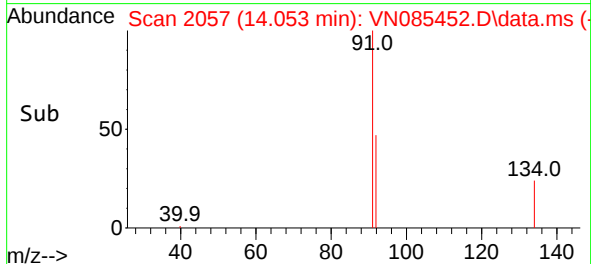
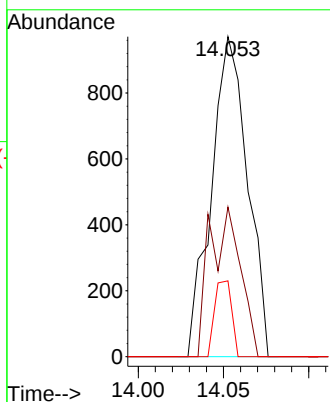


#89
n-Butylbenzene
Concen: 0.286 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Instrument :
MSVOA_N
ClientSampleId :

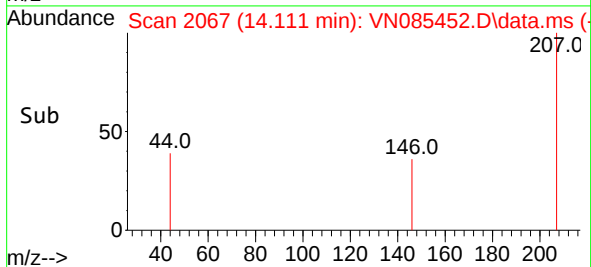
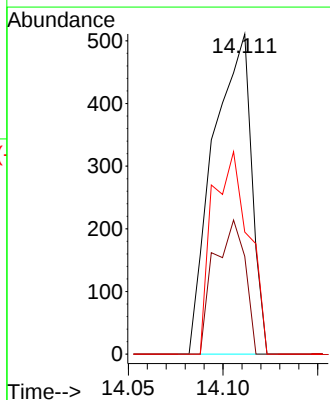
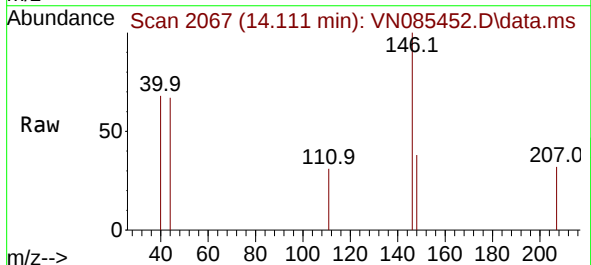


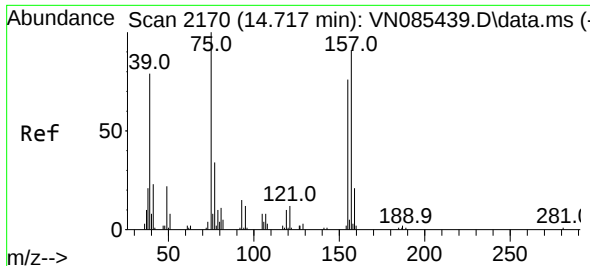
Tgt Ion: 91 Resp: 1436
Ion Ratio Lower Upper
91 100
92 39.8 25.8 77.3
134 11.1 11.7 35.1#



#91
1,2-Dichlorobenzene
Concen: 0.205 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. 0.012 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

Tgt Ion:146 Resp: 716
Ion Ratio Lower Upper
146 100
111 33.8 21.7 65.1
148 60.1 31.4 94.2

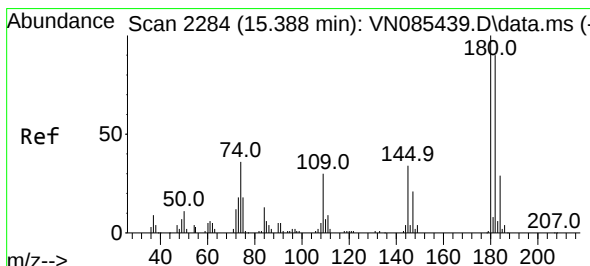
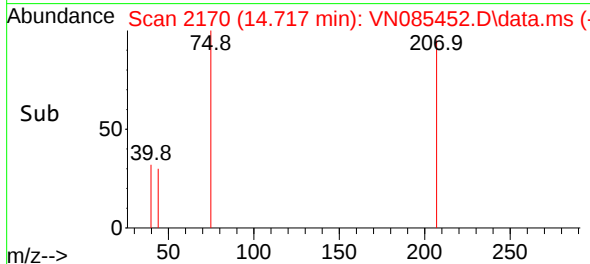
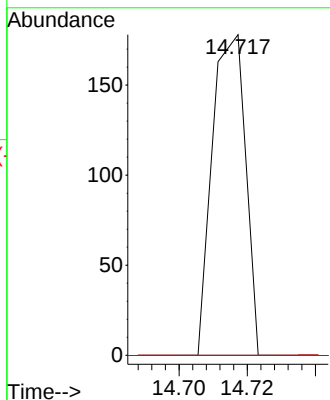
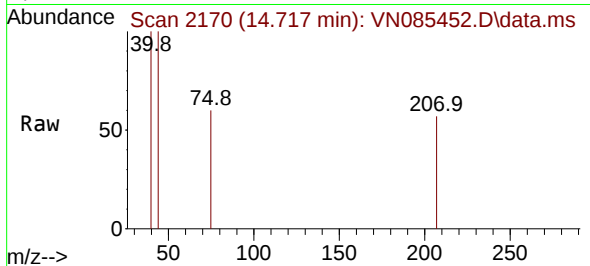




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.256 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VN085452.D
 Acq: 15 Jan 2025 11:26

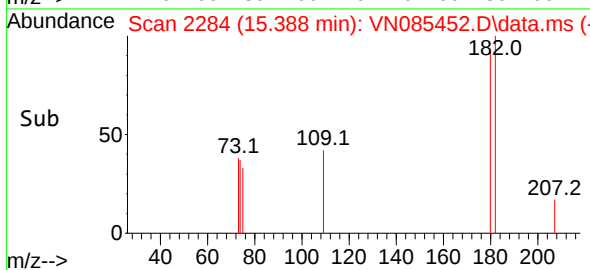
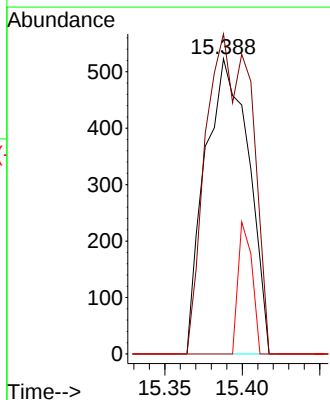
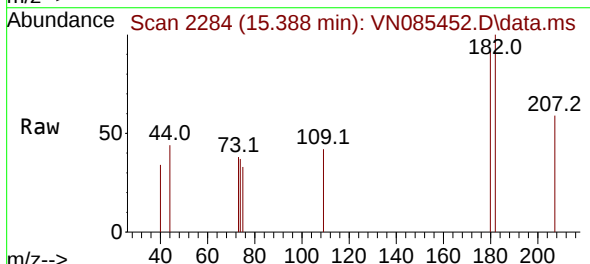
Instrument :
 MSVOA_N
 ClientSampleId :

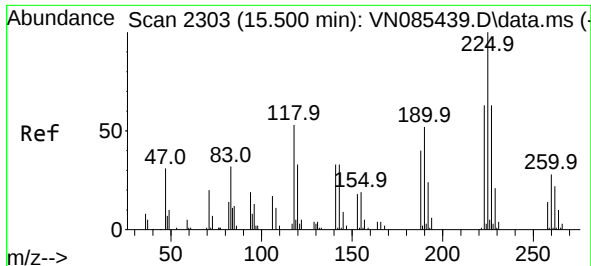
Tgt Ion: 75 Resp: 120
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.4 109.2#
 157 0.0 45.4 136.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.630 ug/l
 RT: 15.388 min Scan# 2284
 Delta R.T. -0.000 min
 Lab File: VN085452.D
 Acq: 15 Jan 2025 11:26

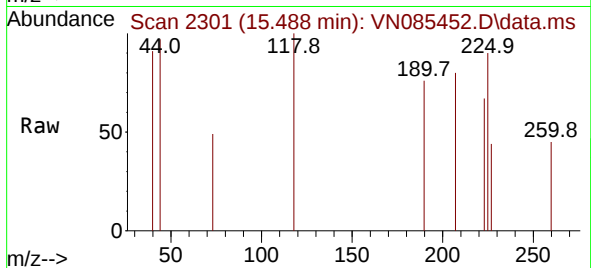
Tgt Ion: 180 Resp: 1023
 Ion Ratio Lower Upper
 180 100
 182 113.9 46.8 140.3
 145 14.2 16.0 48.0#



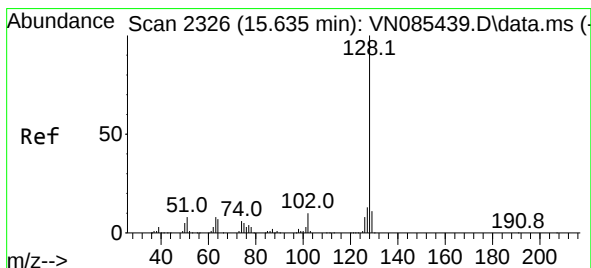
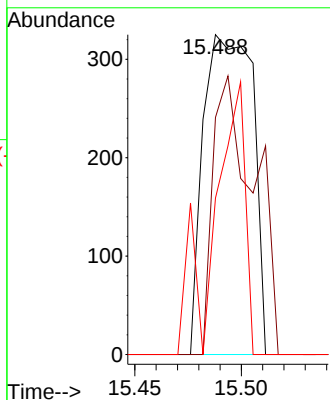
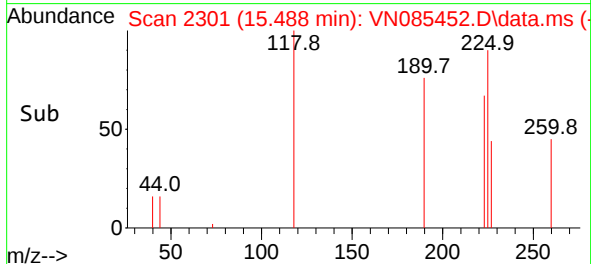


#94
Hexachlorobutadiene
Concen: 0.607 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26

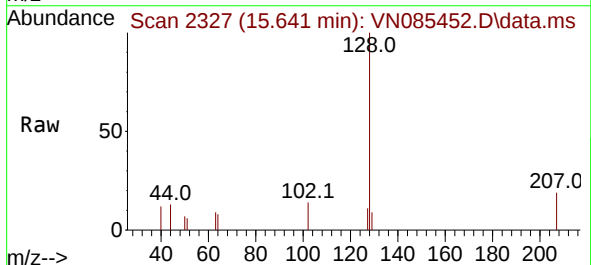
Instrument :
MSVOA_N
ClientSampleId :



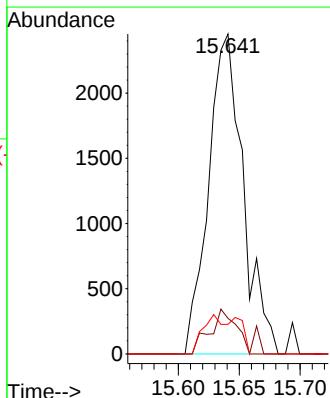
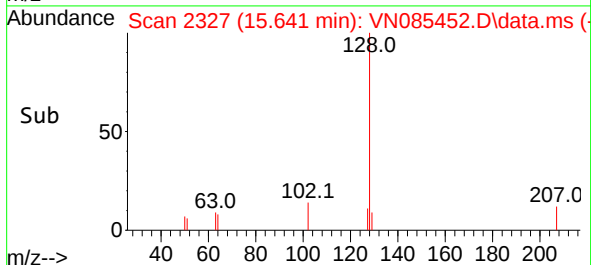
Tgt Ion:	225	Resp:	523
Ion	Ratio	Lower	Upper
225	100		
223	72.8	30.7	92.1
227	54.1	30.9	92.5

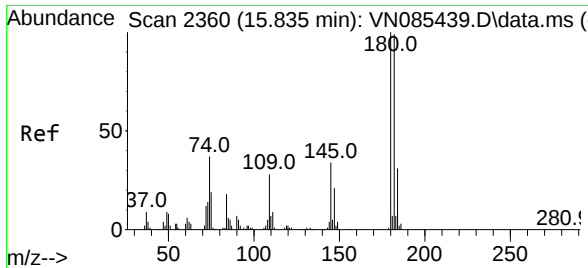


#95
Naphthalene
Concen: 1.003 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085452.D
Acq: 15 Jan 2025 11:26



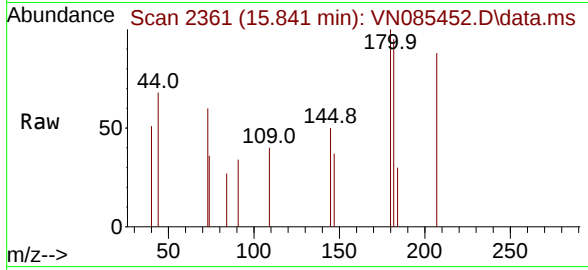
Tgt Ion:	128	Resp:	4859
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.6	16.0
129	12.2	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.706 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085452.D
 Acq: 15 Jan 2025 11:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1159
Ion	Ratio	Lower	Upper
180	100		
182	106.7	47.4	142.2
145	33.0	16.9	50.7

