

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085549.D
 Acq On : 29 Jan 2025 11:42
 Operator : JC\MD
 Sample : VN0129MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

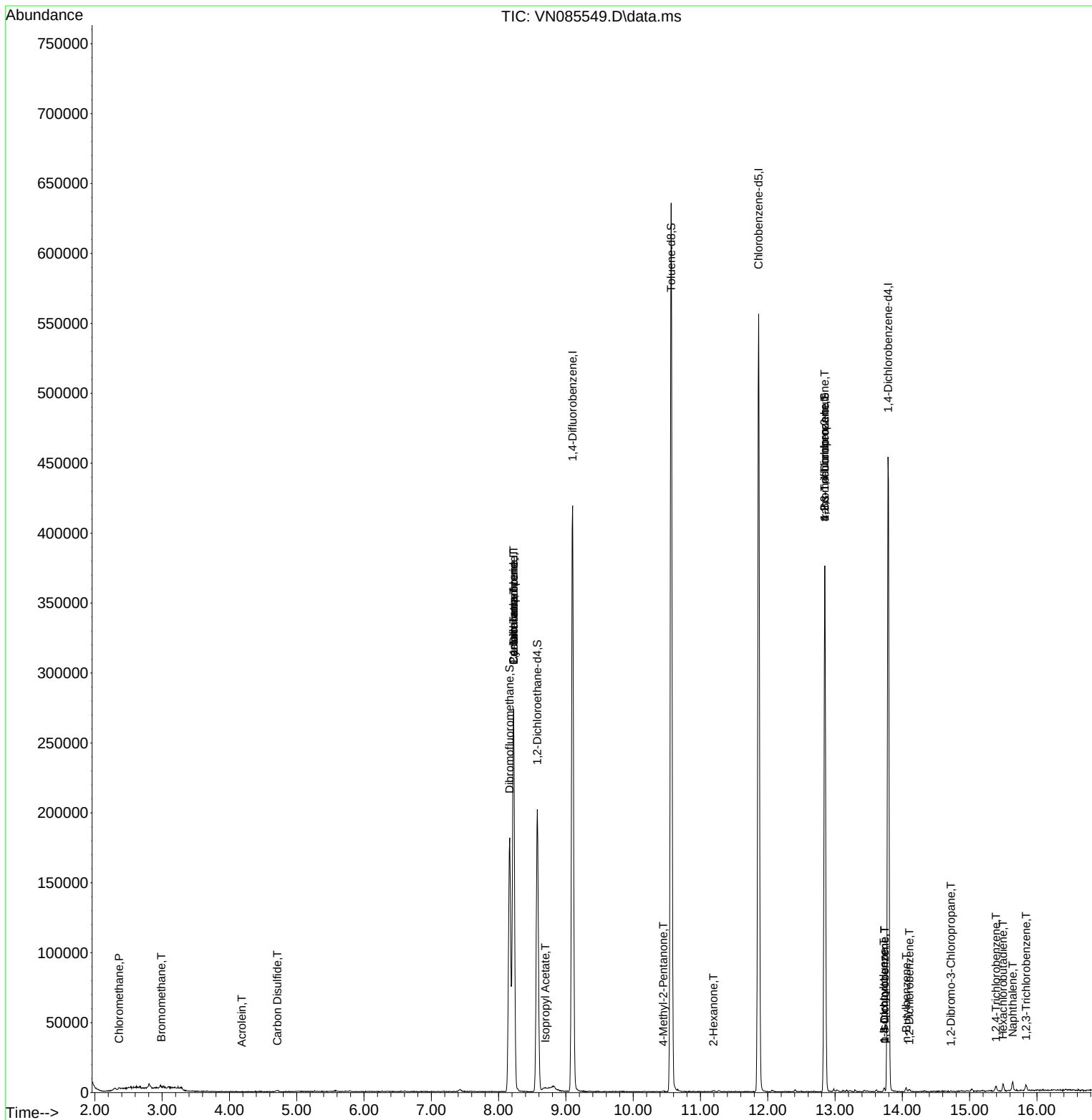
Quant Time: Jan 30 00:30:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

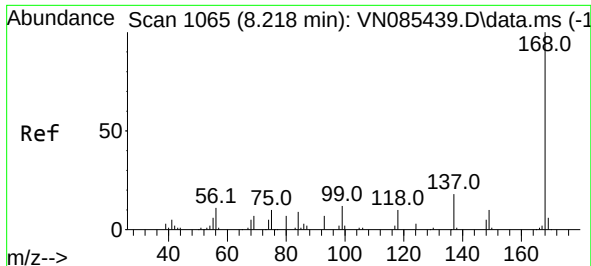
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	185591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	170931	57.056	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.120%	
35) Dibromofluoromethane	8.165	113	127945	53.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.900%	
50) Toluene-d8	10.565	98	421114	49.518	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.040%	
62) 4-Bromofluorobenzene	12.847	95	128268	44.092	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	793	0.291	ug/l	91
5) Bromomethane	2.989	94	887	0.537	ug/l #	59
13) Acrolein	4.183	56	134	0.286	ug/l #	68
17) Carbon Disulfide	4.712	76	2117	0.345	ug/l #	76
31) Cyclohexane	8.224	56	5258	1.383	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	17499	5.209	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21374	5.558	ug/l #	18
43) Isopropyl Acetate	8.694	43	2744	0.505	ug/l #	55
51) 4-Methyl-2-Pentanone	10.447	43	644	0.204	ug/l #	37
59) 2-Hexanone	11.194	43	904	0.408	ug/l	74
76) 1,2,3-Trichloropropane	12.847	75	68862	28.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68862	77.203	ug/l #	3
86) p-Isopropyltoluene	13.723	119	1090	0.203	ug/l #	79
87) 1,3-Dichlorobenzene	13.735	146	958	0.248	ug/l	83
88) 1,4-Dichlorobenzene	13.735	146	958	0.240	ug/l	83
89) n-Butylbenzene	14.059	91	2278	0.412	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	884	0.230	ug/l #	41
92) 1,2-Dibromo-3-Chloropr...	14.723	75	164	0.317	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.394	180	1422	0.796	ug/l	89
94) Hexachlorobutadiene	15.494	225	1272	1.340	ug/l	92
95) Naphthalene	15.641	128	6370	1.194	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	1745	0.965	ug/l	87

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

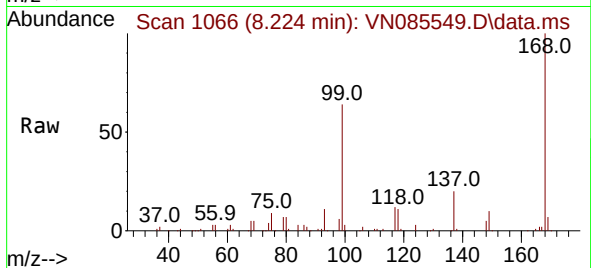
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



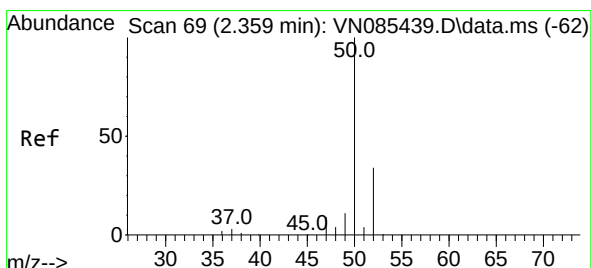
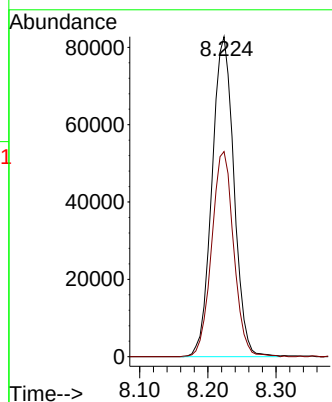
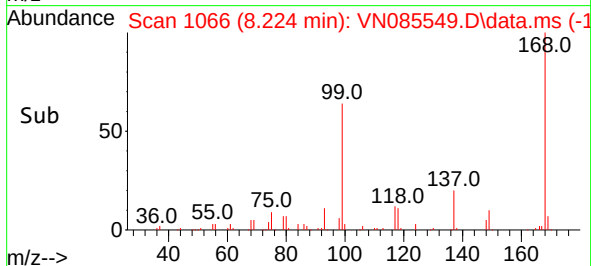


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

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MSVOA_N
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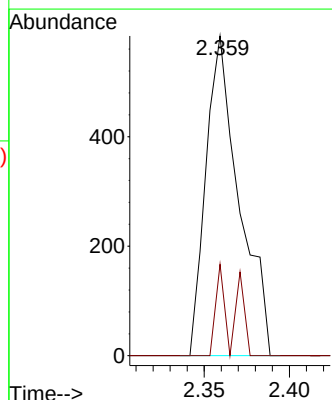
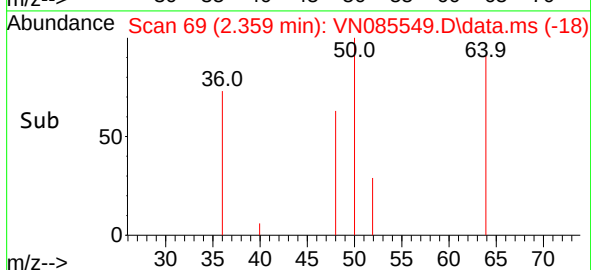
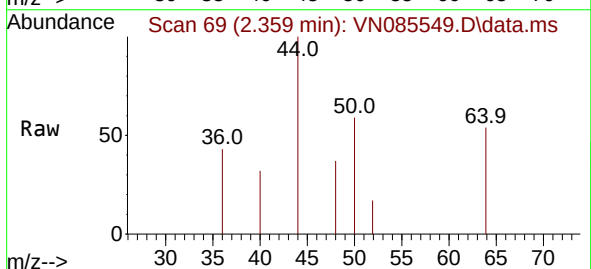


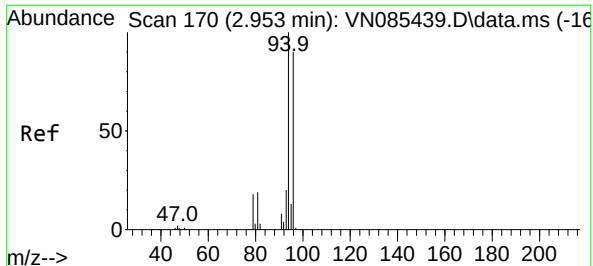
Tgt Ion:168 Resp: 185591
Ion Ratio Lower Upper
168 100
99 64.1 53.6 80.4



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Tgt Ion: 50 Resp: 793
Ion Ratio Lower Upper
50 100
52 28.6 27.0 40.6

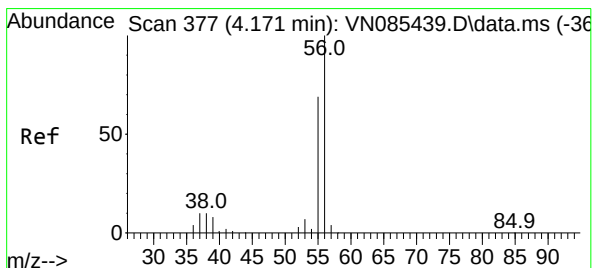
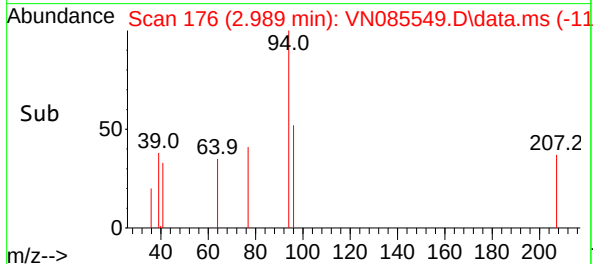
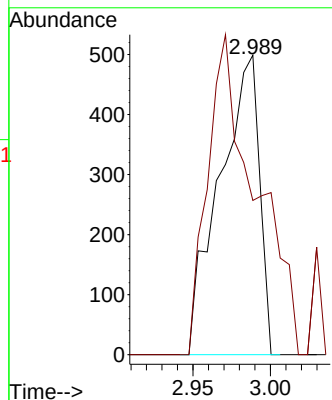
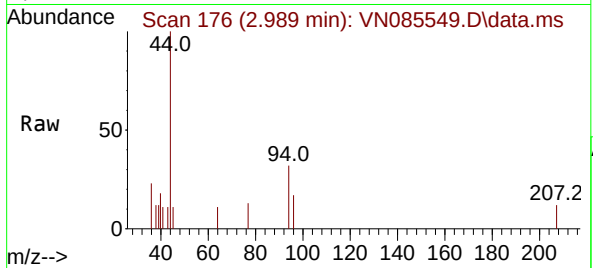




#5
Bromomethane
Concen: 0.537 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

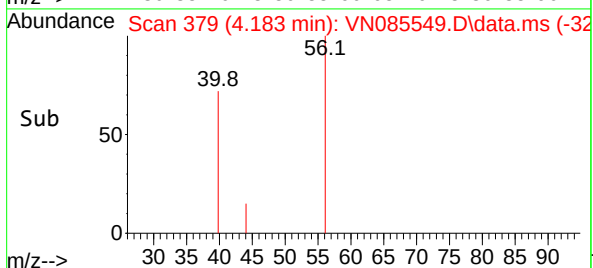
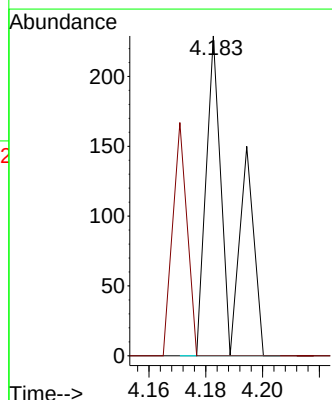
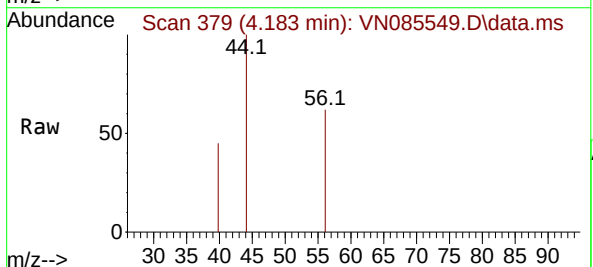
Instrument :
MSVOA_N
ClientSampleId :

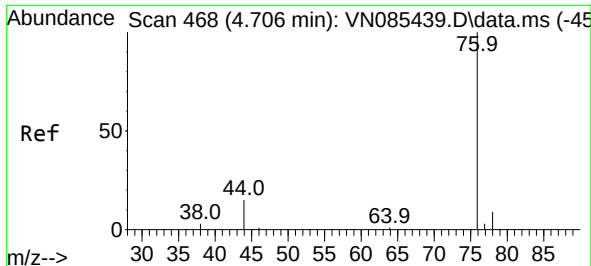
Tgt Ion: 94 Resp: 887
Ion Ratio Lower Upper
94 100
96 51.5 71.8 107.6#



#13
Acrolein
Concen: 0.286 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

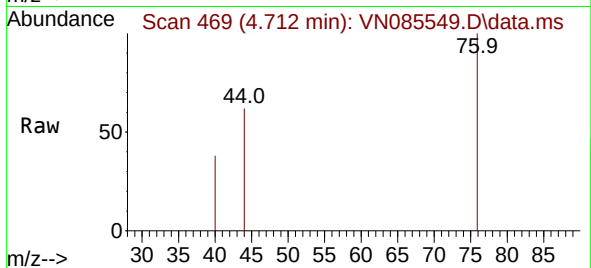
Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 44.0 56.3 84.5#



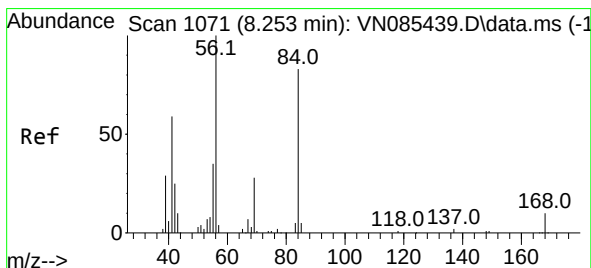
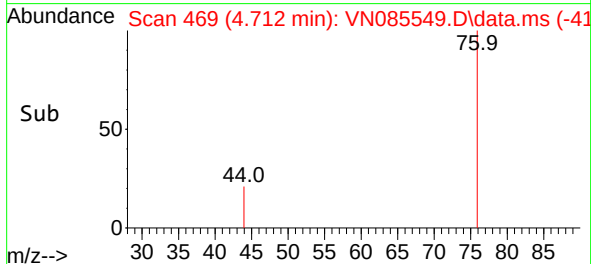
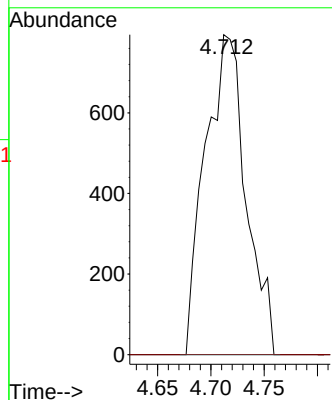


#17
Carbon Disulfide
Concen: 0.345 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Instrument :
MSVOA_N
ClientSampleId :

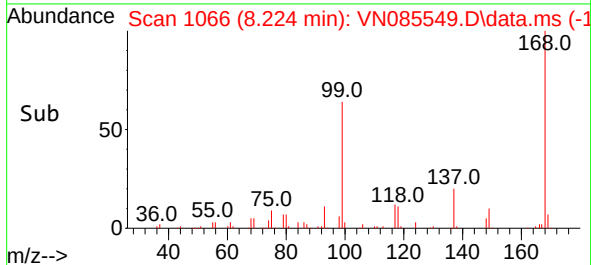
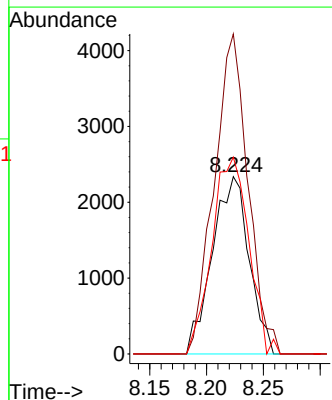
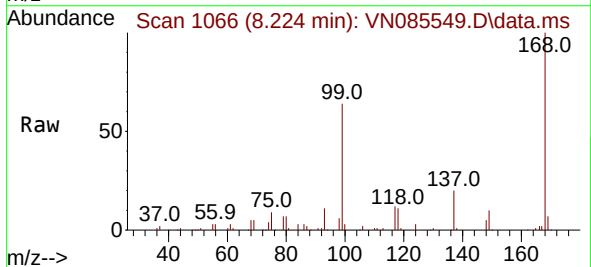


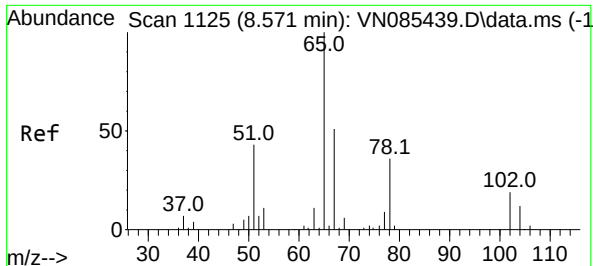
Tgt Ion: 76 Resp: 2117
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Tgt Ion: 56 Resp: 5258
Ion Ratio Lower Upper
56 100
69 180.5 22.2 33.4#
84 111.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.056 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085549.D

Acq: 29 Jan 2025 11:42

Instrument :

MSVOA_N

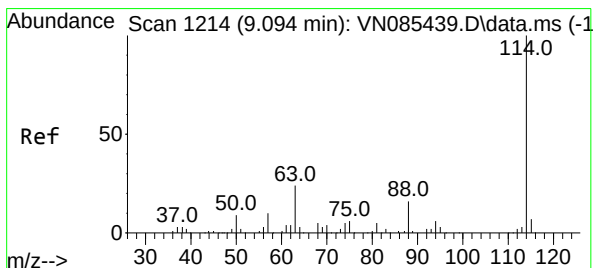
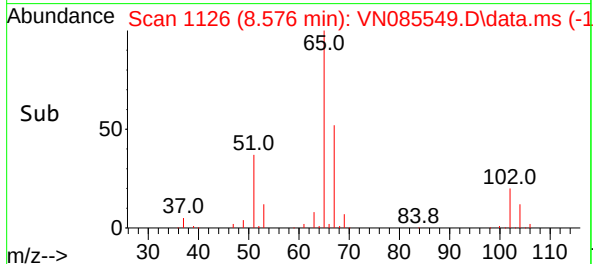
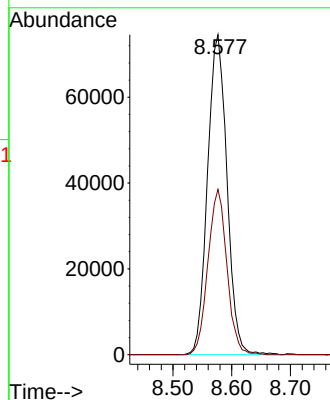
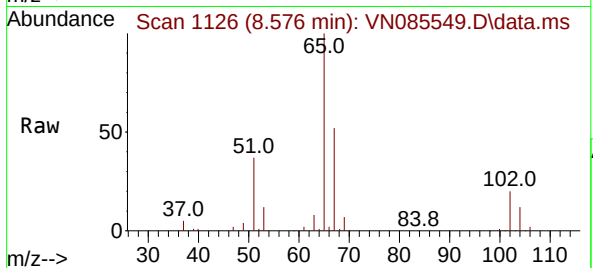
ClientSampleId :

Tgt Ion: 65 Resp: 170931

Ion Ratio Lower Upper

65 100

67 50.4 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: VN085549.D

Acq: 29 Jan 2025 11:42

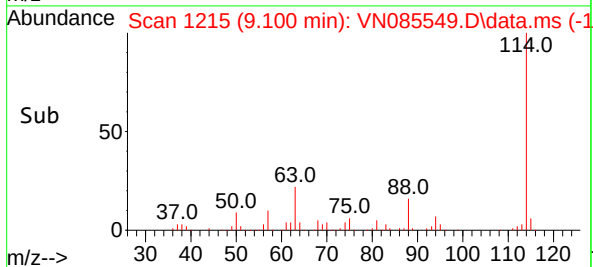
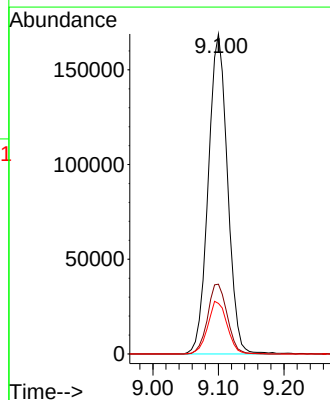
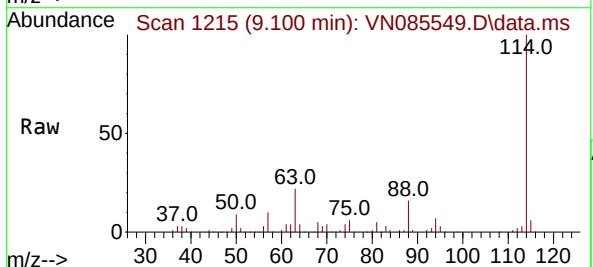
Tgt Ion: 114 Resp: 345014

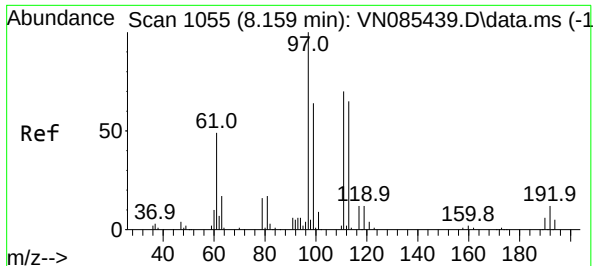
Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.6

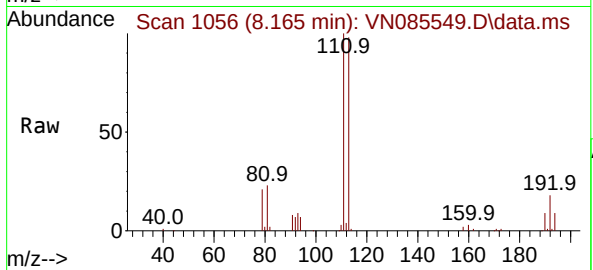
88 15.8 0.0 32.6



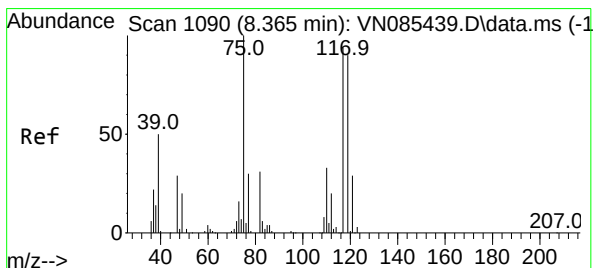
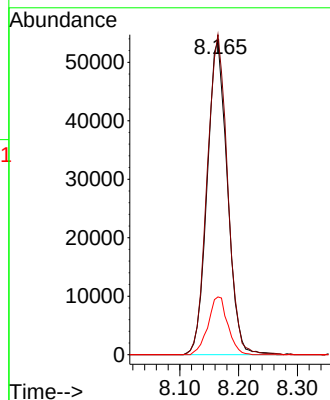
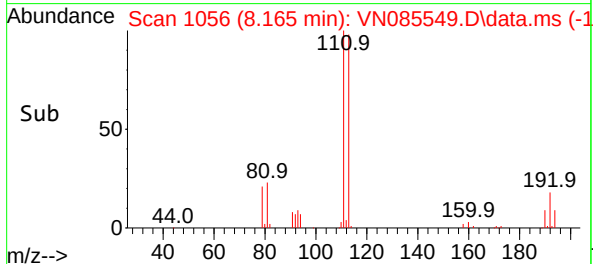


#35
Dibromofluoromethane
Concen: 53.454 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Instrument :
MSVOA_N
ClientSampleId :

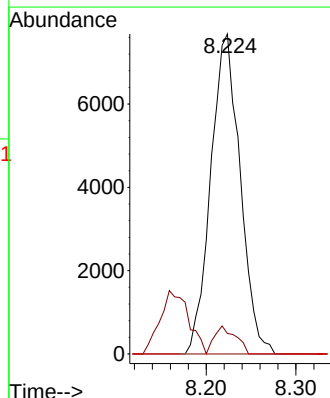
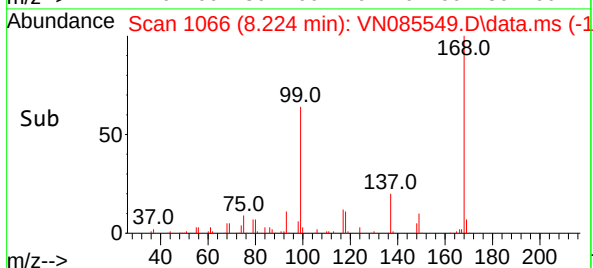
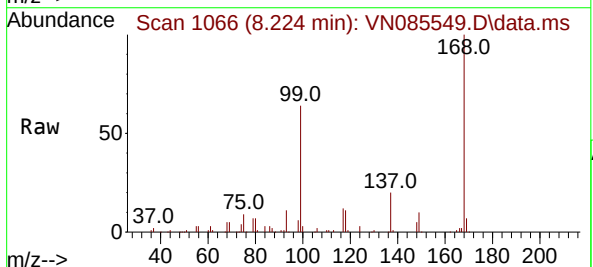


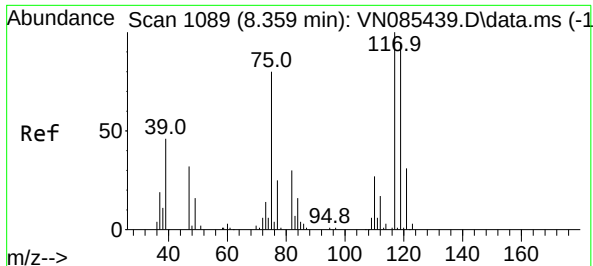
Tgt Ion:113 Resp: 127945
Ion Ratio Lower Upper
113 100
111 102.7 82.7 124.1
192 17.9 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

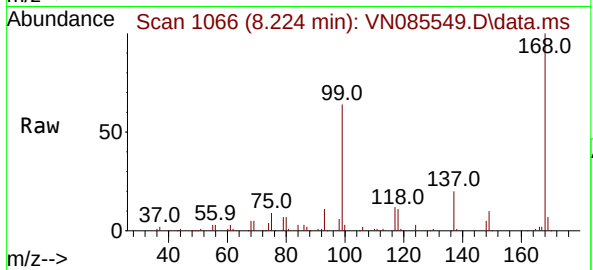
Tgt Ion: 75 Resp: 17499
Ion Ratio Lower Upper
75 100
110 6.3 16.5 49.5#
77 0.0 24.4 36.6#



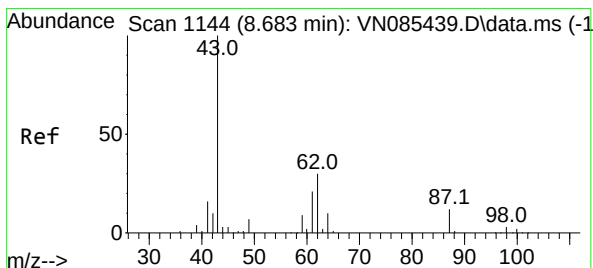
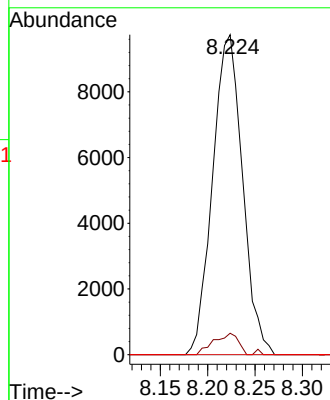
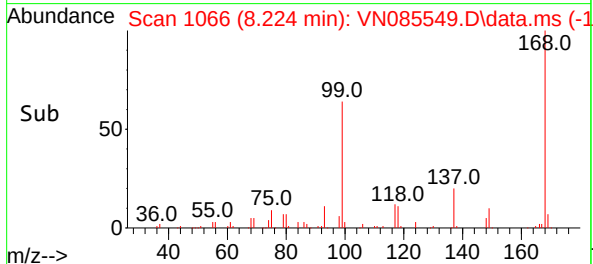


#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

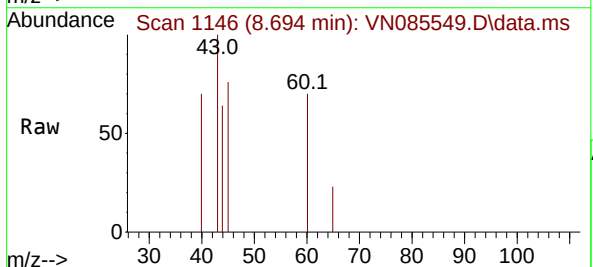
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MSVOA_N
ClientSampleId :



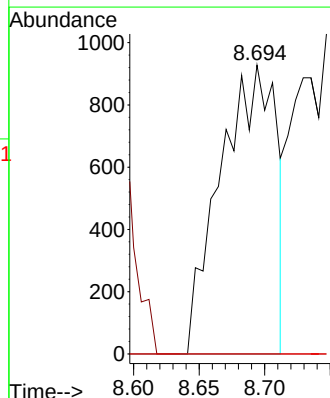
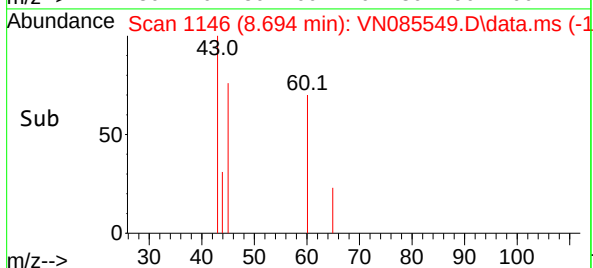
Tgt Ion:117 Resp: 21374
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 24.6 37.0#

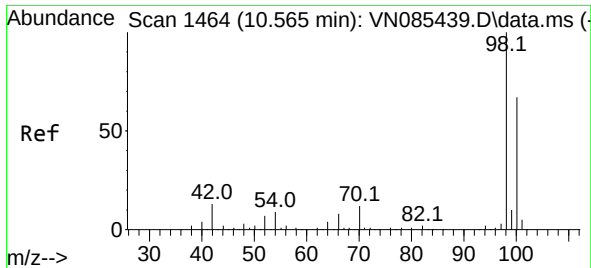


#43
Isopropyl Acetate
Concen: 0.505 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42



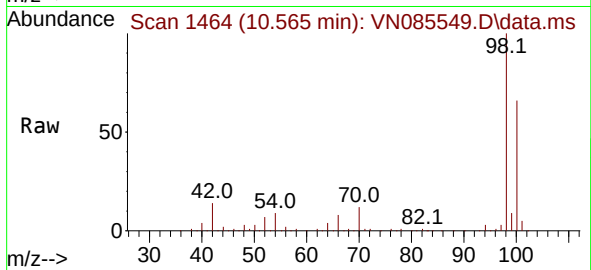
Tgt Ion: 43 Resp: 2744
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#



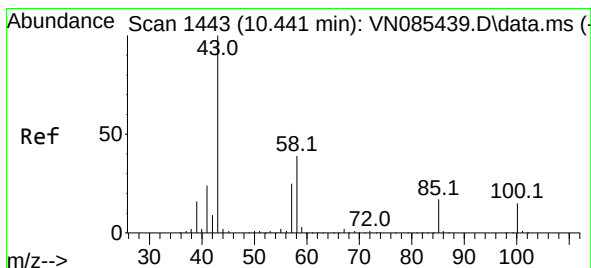
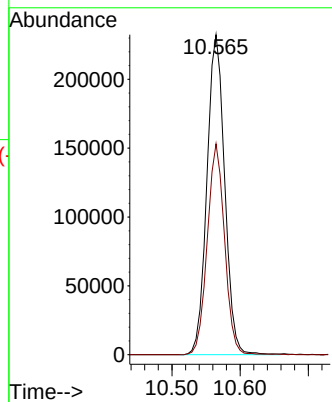
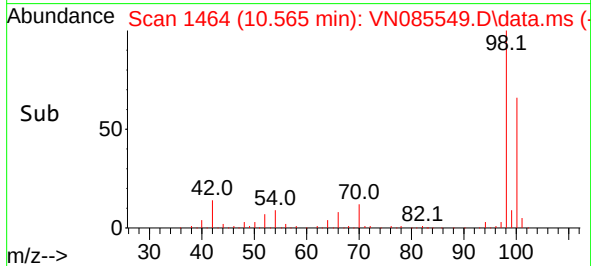


#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

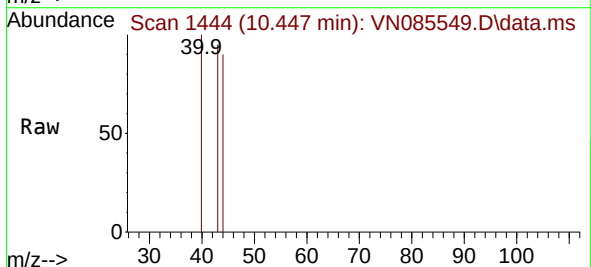
Instrument :
MSVOA_N
ClientSampleId :



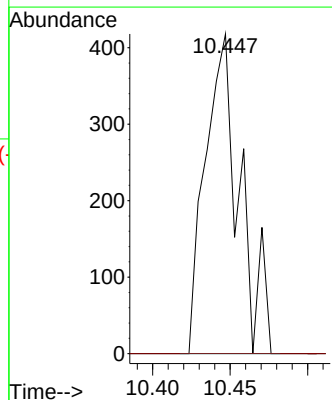
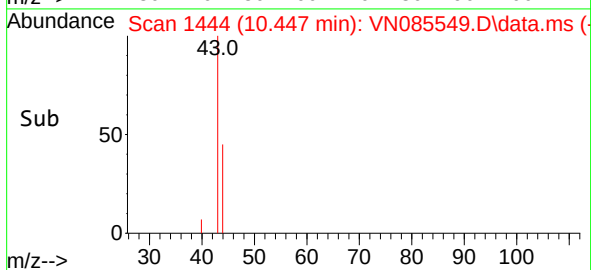
Tgt Ion: 98 Resp: 421114
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

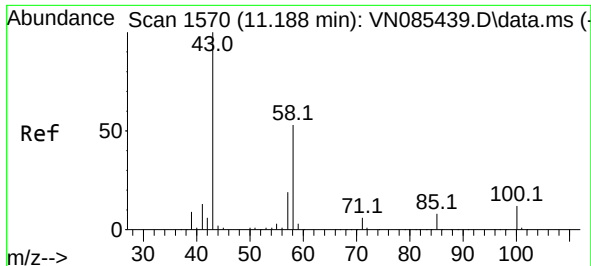


#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42



Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#

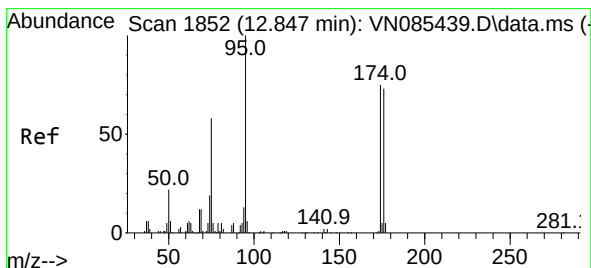
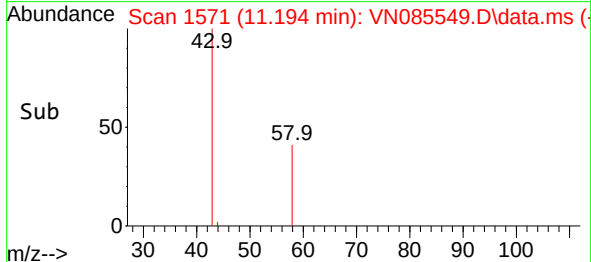
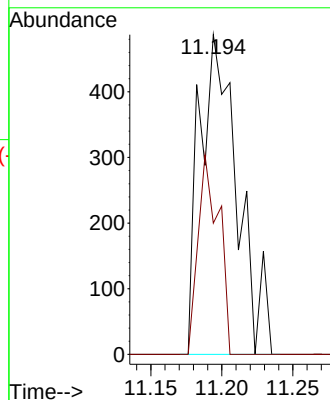
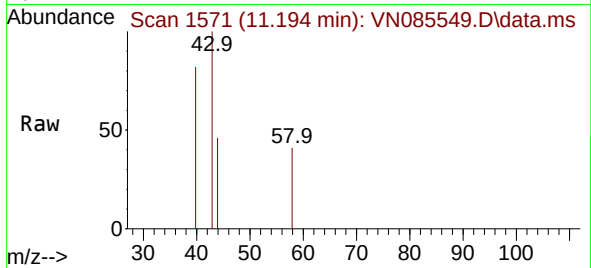




#59
2-Hexanone
Concen: 0.408 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

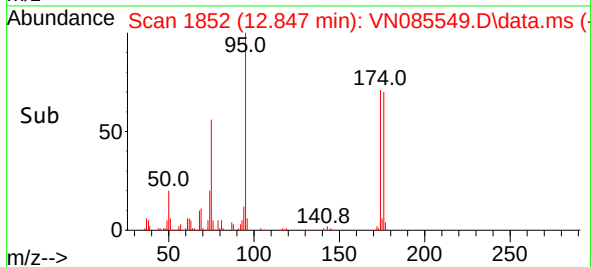
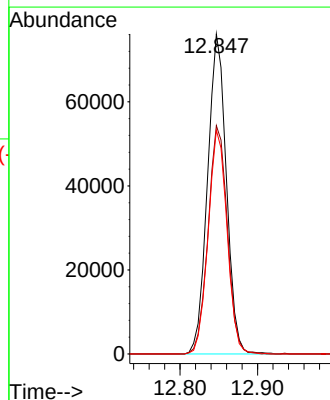
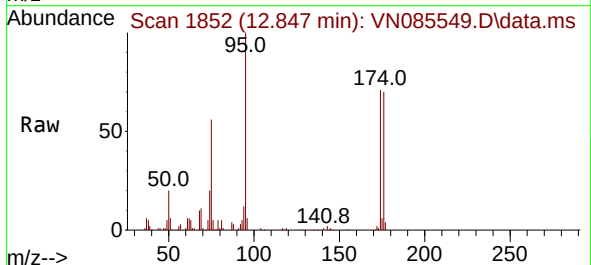
Instrument :
MSVOA_N
ClientSampleId :

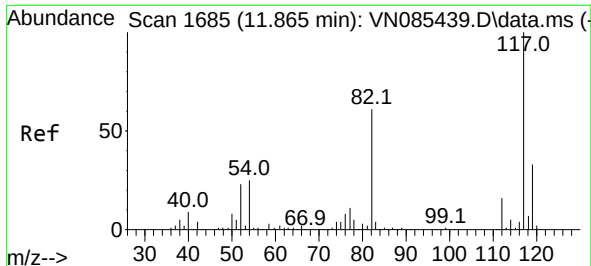
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 34.4 26.2 78.6



#62
4-Bromofluorobenzene
Concen: 44.092 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Tgt Ion: 95 Resp: 128268
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.0
176 70.1 0.0 142.4

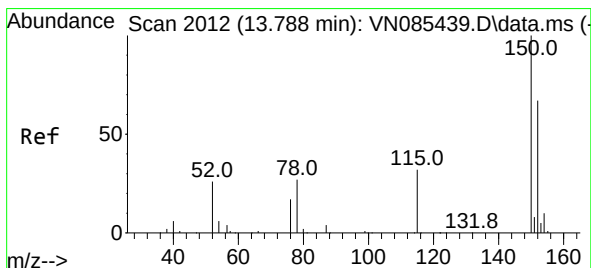
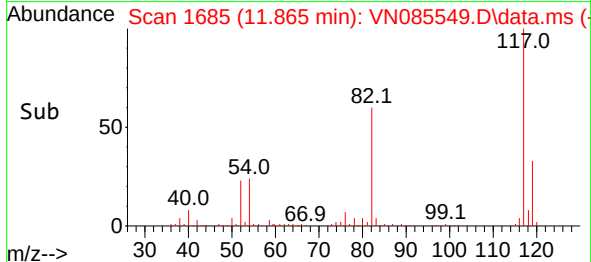
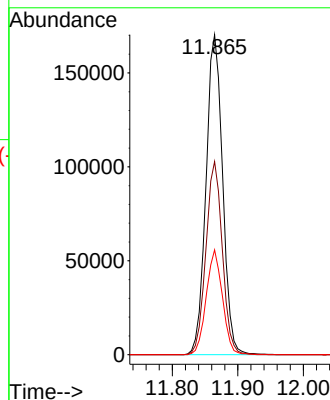
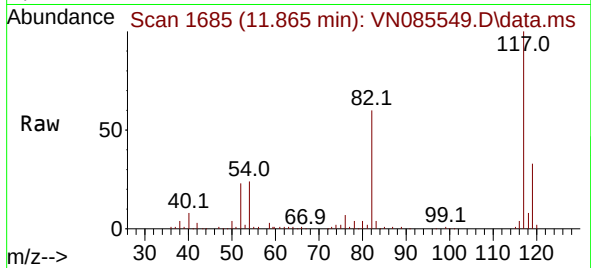




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

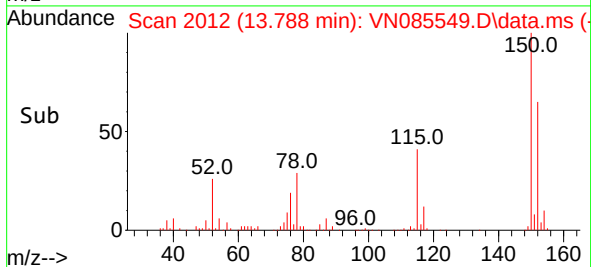
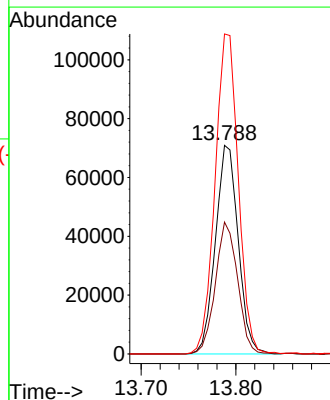
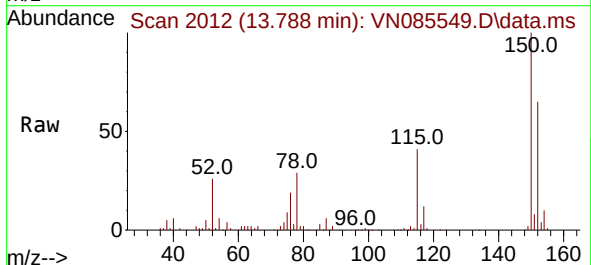
Instrument :
MSVOA_N
ClientSampleId :

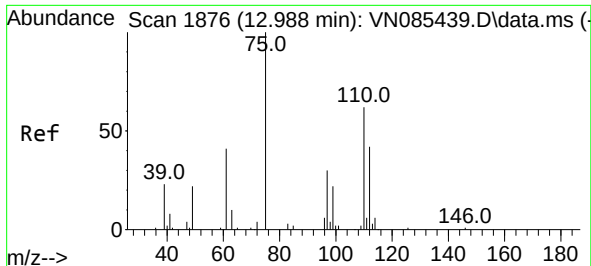
Tgt Ion:117 Resp: 300844
Ion Ratio Lower Upper
117 100
82 60.3 48.6 72.8
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Tgt Ion:152 Resp: 118732
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 156.3 0.0 343.6

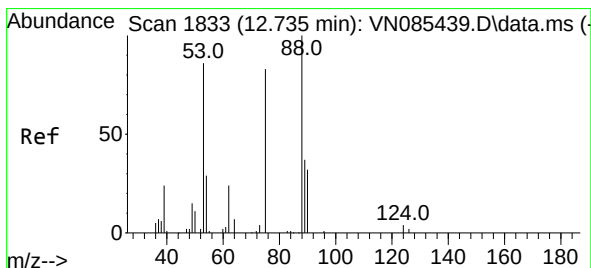
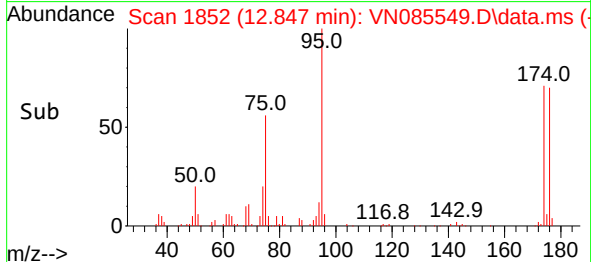
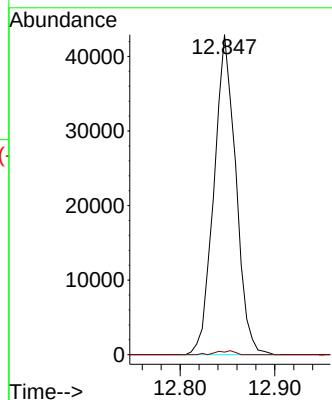
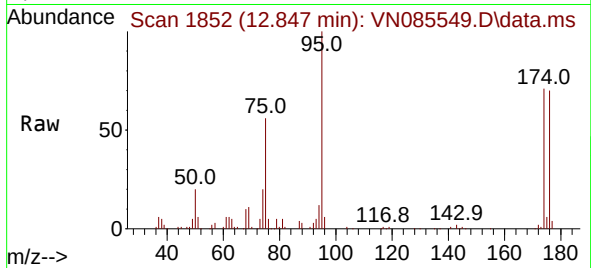




#76
1,2,3-Trichloropropane
Concen: 28.535 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

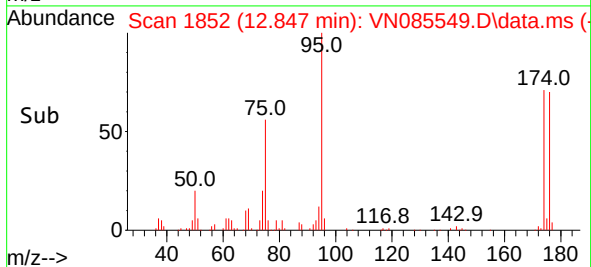
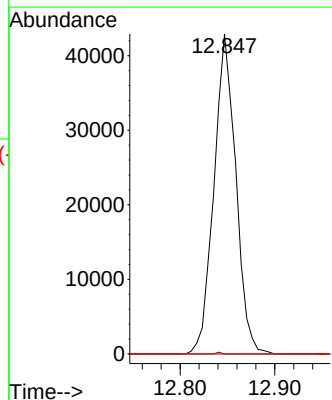
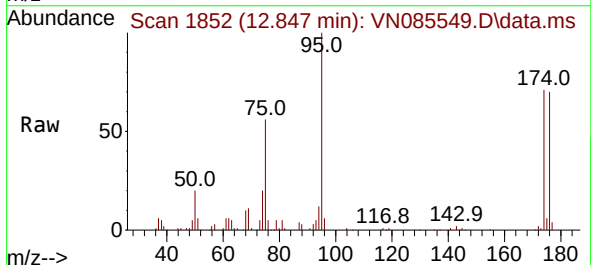
Instrument :
MSVOA_N
ClientSampleId :

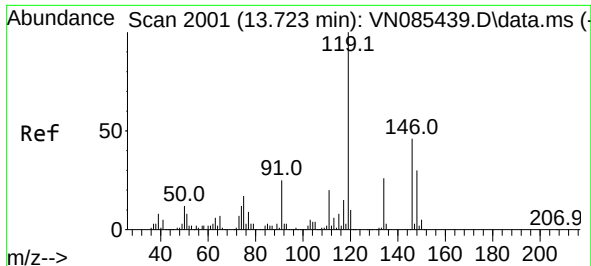
Tgt Ion: 75 Resp: 68862
Ion Ratio Lower Upper
75 100
77 1.0 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.203 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

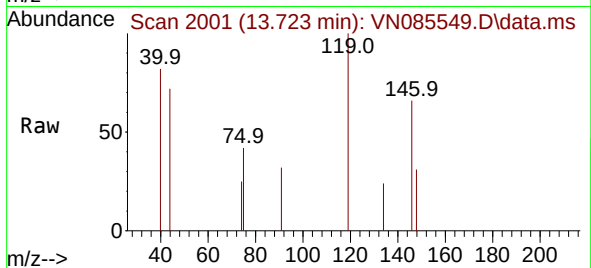
Tgt Ion: 75 Resp: 68862
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



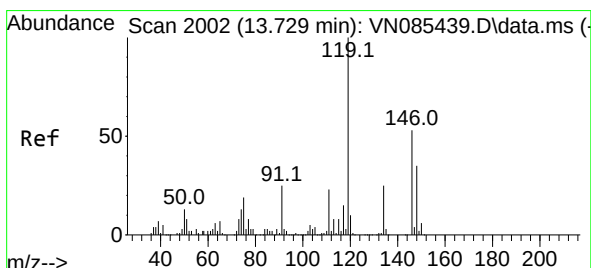
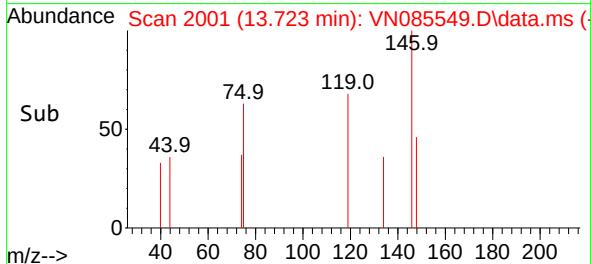
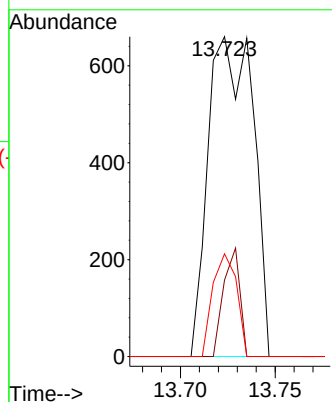


#86
p-Isopropyltoluene
Concen: 0.203 ug/l
RT: 13.723 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

Instrument :
MSVOA_N
ClientSampleId :

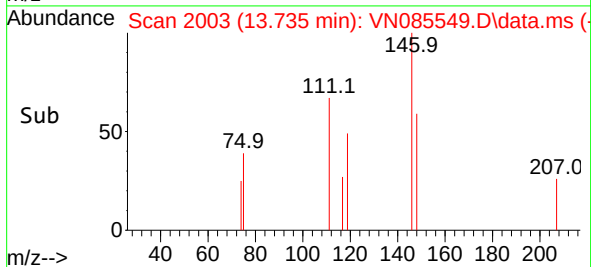
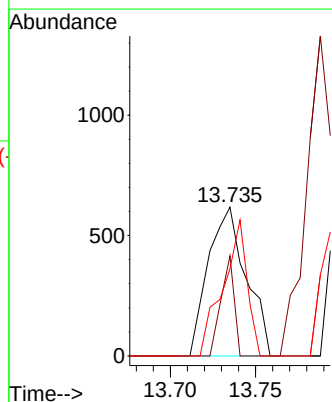
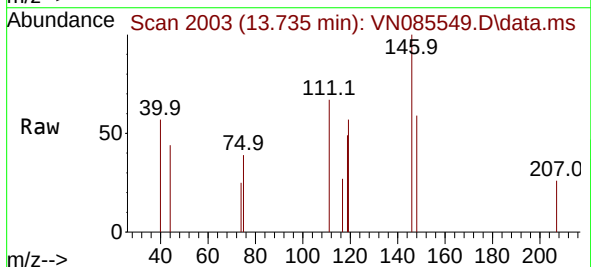


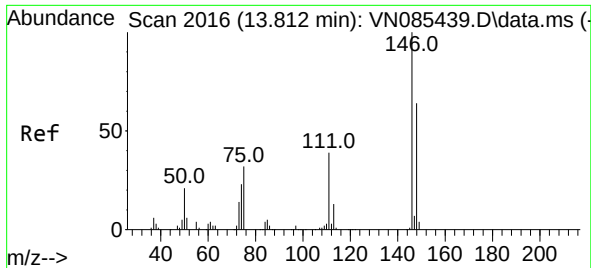
Tgt Ion:119 Resp: 1090
Ion Ratio Lower Upper
119 100
134 12.4 12.7 38.0#
91 17.2 12.7 38.1



#87
1,3-Dichlorobenzene
Concen: 0.248 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

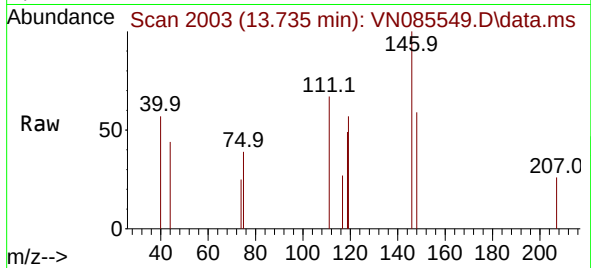
Tgt Ion:146 Resp: 958
Ion Ratio Lower Upper
146 100
111 23.3 21.4 64.3
148 58.0 32.3 96.9



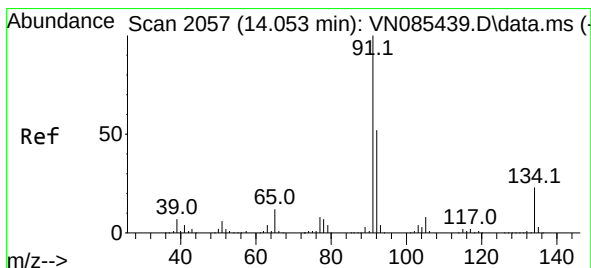
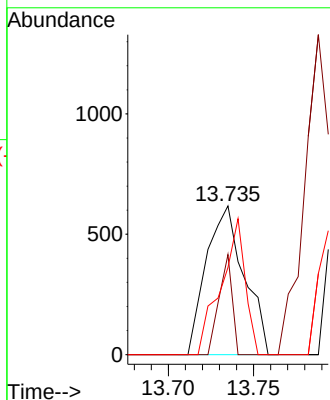
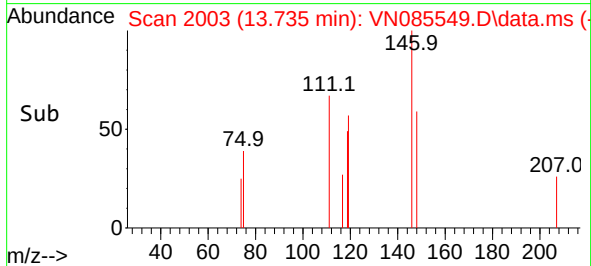


#88
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42

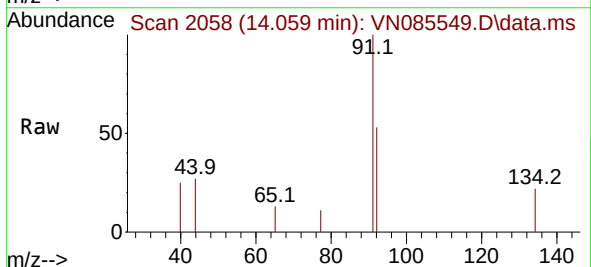
Instrument :
MSVOA_N
ClientSampleId :



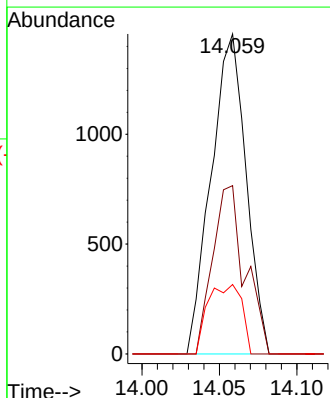
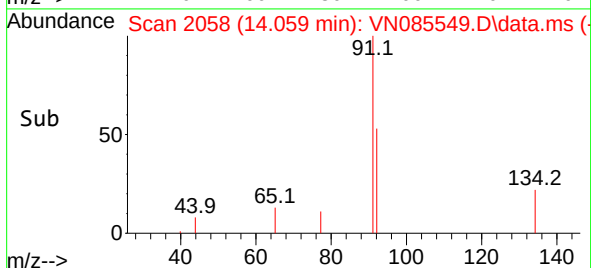
Tgt Ion:146 Resp: 958
Ion Ratio Lower Upper
146 100
111 23.3 21.3 63.7
148 58.0 32.4 97.0

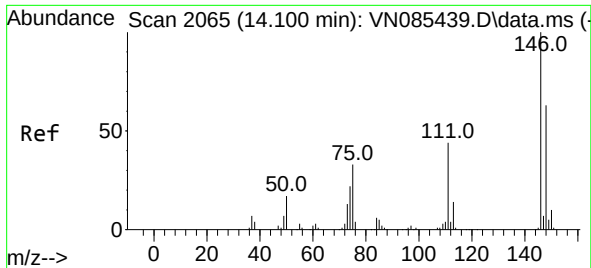


#89
n-Butylbenzene
Concen: 0.412 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085549.D
Acq: 29 Jan 2025 11:42



Tgt Ion: 91 Resp: 2278
Ion Ratio Lower Upper
91 100
92 48.8 25.8 77.3
134 21.0 11.7 35.1

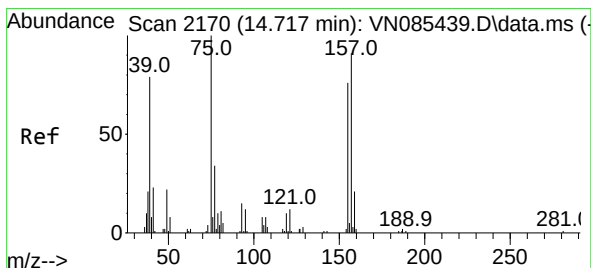
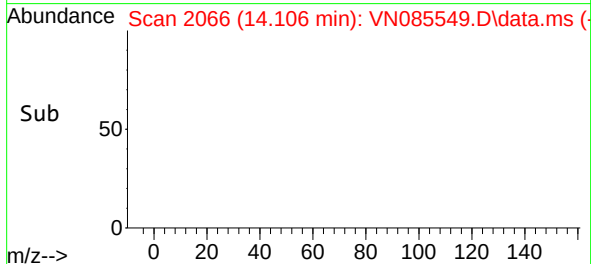
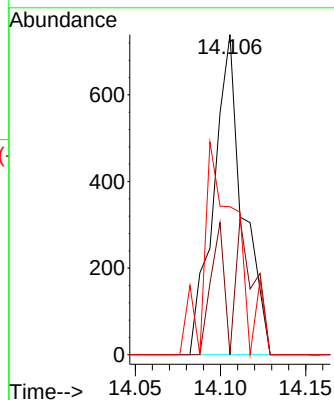
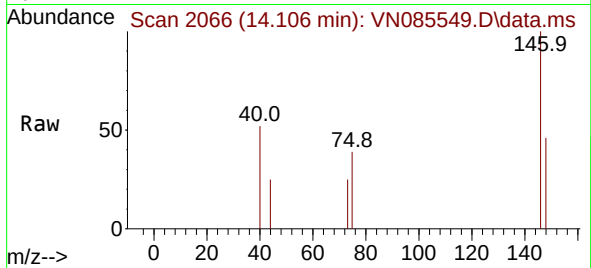




#91
 1,2-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 14.106 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VN085549.D
 Acq: 29 Jan 2025 11:42

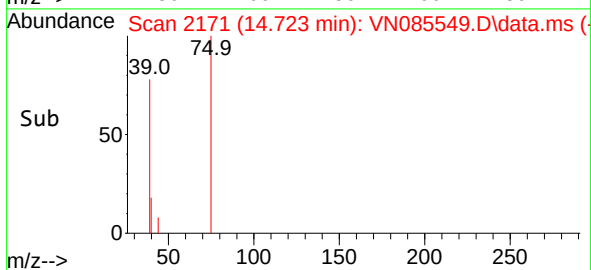
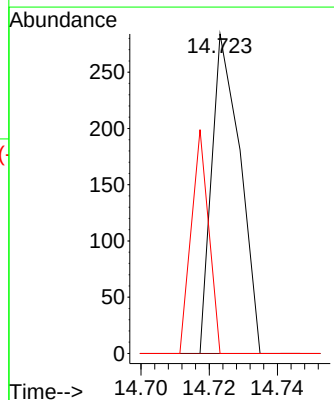
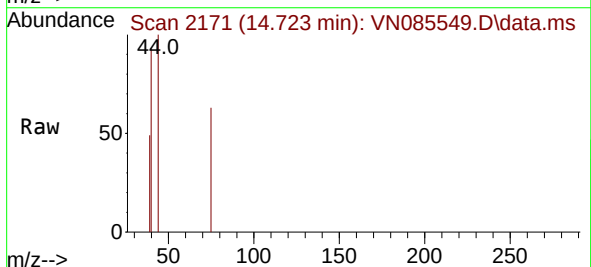
Instrument :
 MSVOA_N
 ClientSampleId :

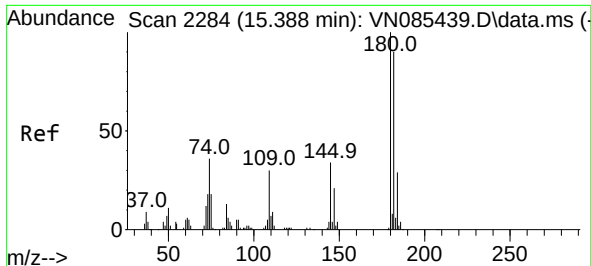
Tgt Ion:146 Resp: 884
 Ion Ratio Lower Upper
 146 100
 111 26.1 21.7 65.1
 148 0.0 31.4 94.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.317 ug/l
 RT: 14.723 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN085549.D
 Acq: 29 Jan 2025 11:42

Tgt Ion: 75 Resp: 164
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.4 109.2#
 157 42.7 45.4 136.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.796 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085549.D

Acq: 29 Jan 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

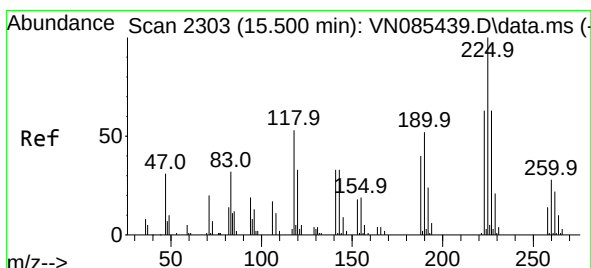
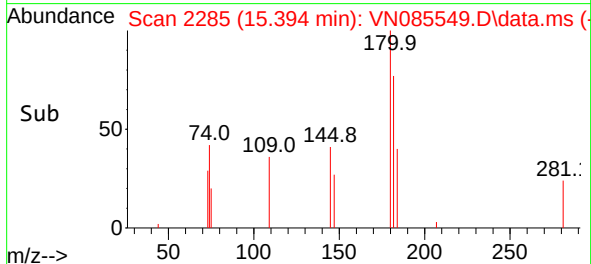
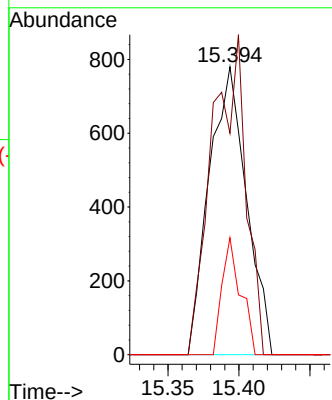
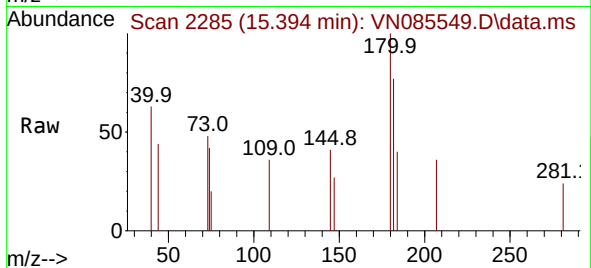
Tgt Ion:180 Resp: 1422

Ion Ratio Lower Upper

180 100

182 100.6 46.8 140.3

145 20.3 16.0 48.0



#94

Hexachlorobutadiene

Concen: 1.340 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085549.D

Acq: 29 Jan 2025 11:42

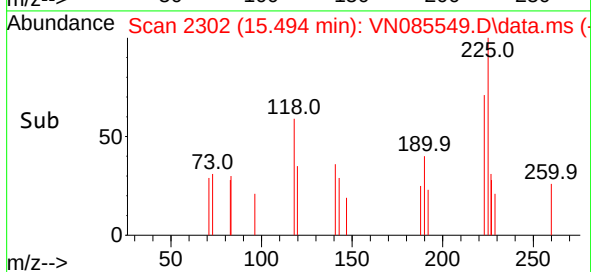
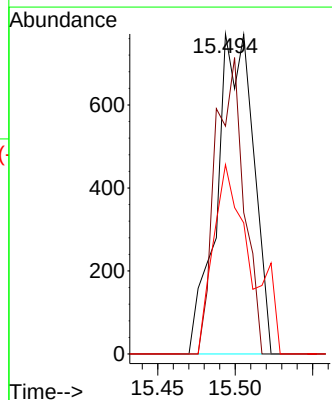
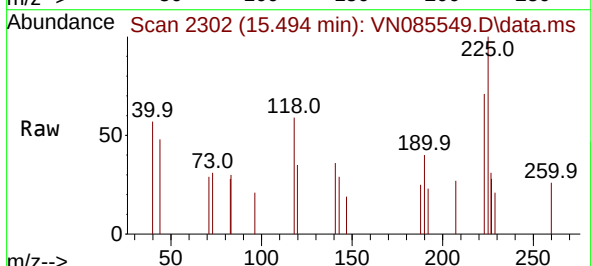
Tgt Ion:225 Resp: 1272

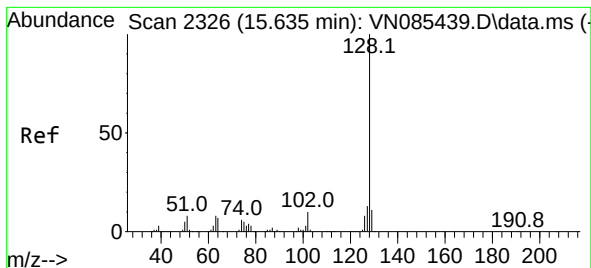
Ion Ratio Lower Upper

225 100

223 71.9 30.7 92.1

227 59.8 30.9 92.5





#95

Naphthalene

Concen: 1.194 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

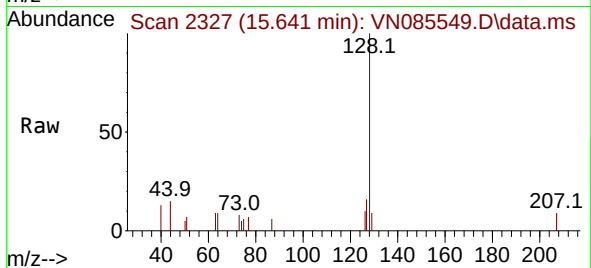
Lab File: VN085549.D

Acq: 29 Jan 2025 11:42

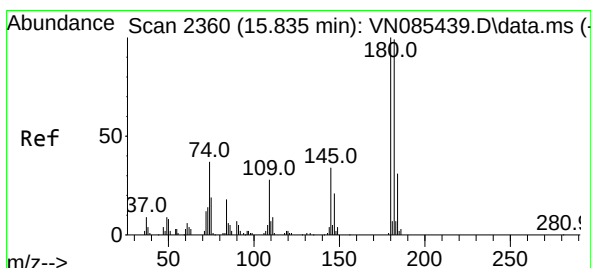
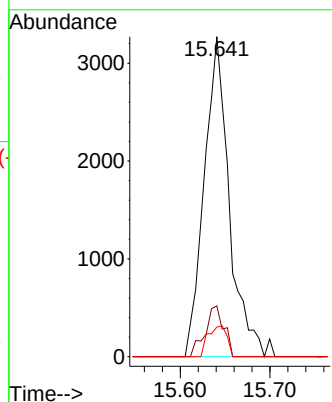
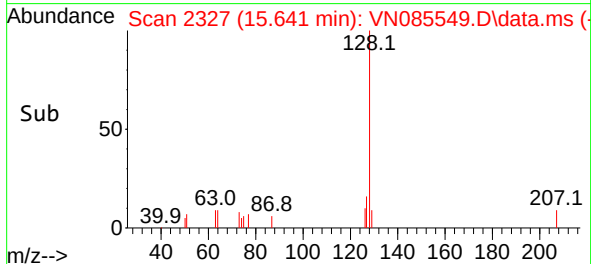
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	6370
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.6	16.0
129	7.2	8.8	13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.965 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085549.D

Acq: 29 Jan 2025 11:42

Tgt Ion:	180	Resp:	1745
Ion	Ratio	Lower	Upper
180	100		
182	112.3	47.4	142.2
145	34.1	16.9	50.7

