

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
 Data File : VN085527.D
 Acq On : 28 Jan 2025 10:27
 Operator : JC\MD
 Sample : VN0128MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128MBL01

Quant Time: Jan 29 00:34:52 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)

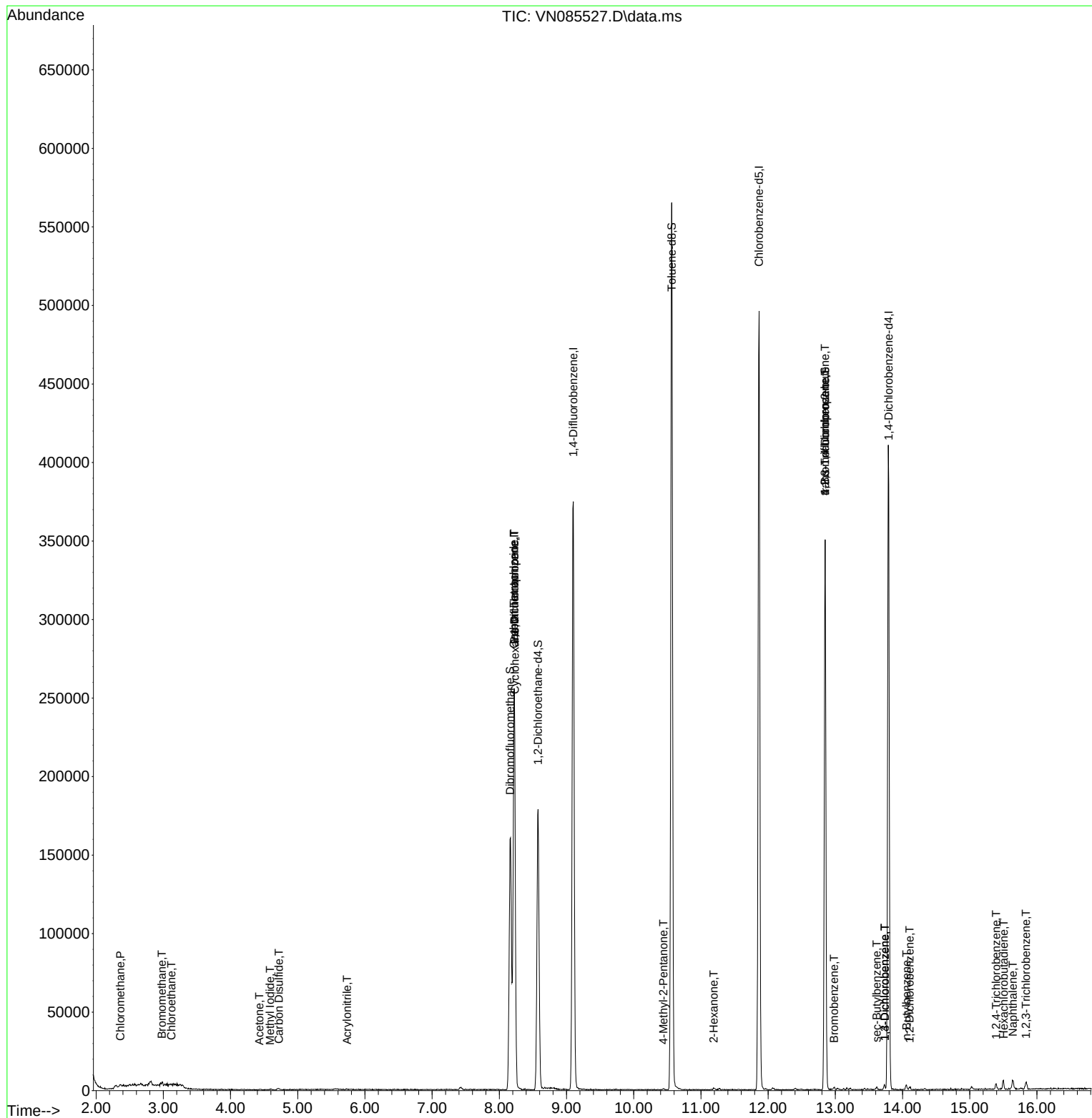
Internal Standards						
1) Pentafluorobenzene	8.224	168	173712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151685	54.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.180%			
35) Dibromofluoromethane	8.159	113	114362	52.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.360%			
50) Toluene-d8	10.565	98	384444	49.843	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.847	95	114017	43.213	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.420%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	929	0.365	ug/l #	41
5) Bromomethane	2.977	94	1156	0.748	ug/l	97
6) Chloroethane	3.118	64	339	0.209	ug/l #	44
10) Methyl Iodide	4.589	142	805	0.336	ug/l #	36
15) Acrylonitrile	5.736	53	254	0.249	ug/l #	72
16) Acetone	4.430	43	253	0.279	ug/l #	45
17) Carbon Disulfide	4.718	76	2046	0.356	ug/l #	76
31) Cyclohexane	8.230	56	4693	1.319	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	16070	5.274	ug/l #	50
38) Carbon Tetrachloride	8.218	117	18762	5.379	ug/l #	17
51) 4-Methyl-2-Pentanone	10.441	43	591	0.207	ug/l #	37
59) 2-Hexanone	11.188	43	1148	0.571	ug/l	68
76) 1,2,3-Trichloropropane	12.847	75	63288	29.376	ug/l #	1
77) Bromobenzene	12.982	156	401	0.215	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	63288	79.479	ug/l #	3
85) sec-Butylbenzene	13.618	105	1684	0.245	ug/l #	78
87) 1,3-Dichlorobenzene	13.735	146	1065	0.309	ug/l	88
88) 1,4-Dichlorobenzene	13.735	146	1065	0.299	ug/l	89
89) n-Butylbenzene	14.059	91	2536	0.514	ug/l	84
91) 1,2-Dichlorobenzene	14.106	146	866	0.252	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1487	0.932	ug/l	91
94) Hexachlorobutadiene	15.506	225	1269	1.498	ug/l	92
95) Naphthalene	15.641	128	6549	1.375	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.835	180	1901	1.177	ug/l	86

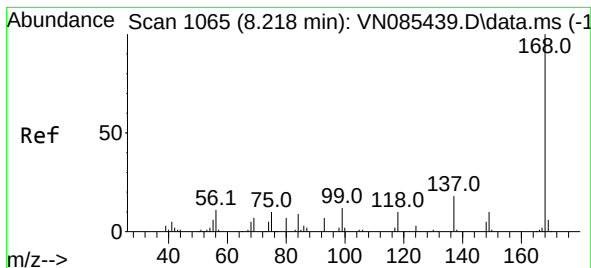
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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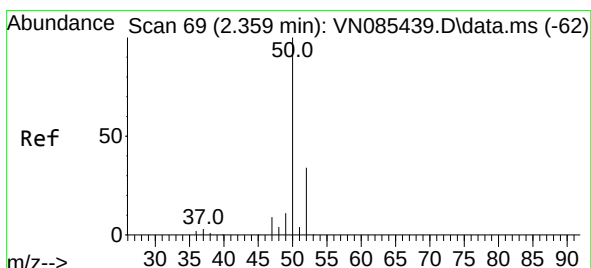
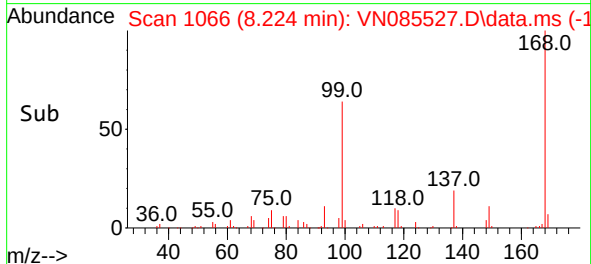
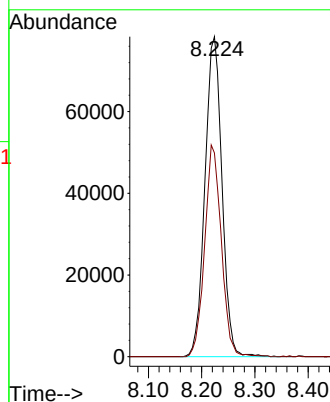
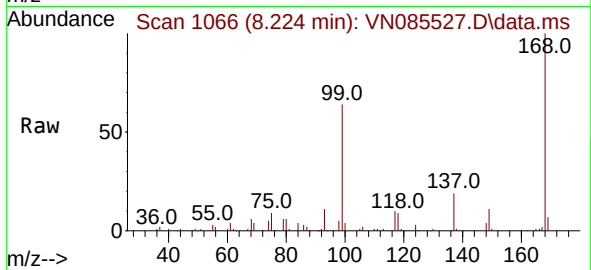




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

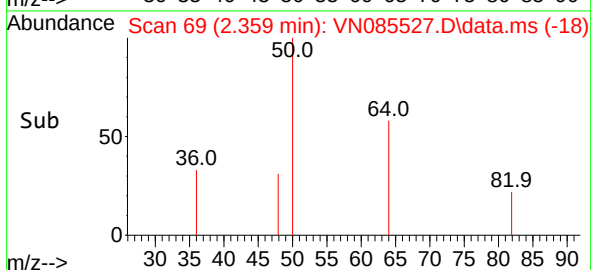
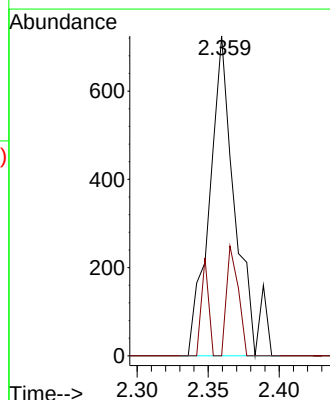
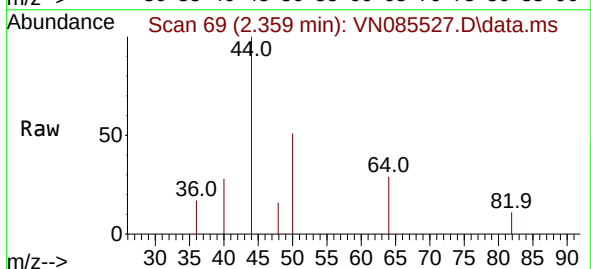
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

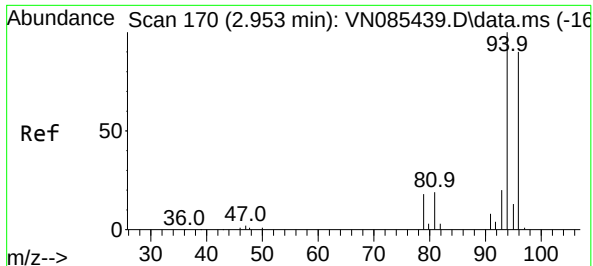
Tgt Ion:168 Resp: 173712
Ion Ratio Lower Upper
168 100
99 63.7 53.6 80.4



#3
Chloromethane
Concen: 0.365 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion: 50 Resp: 929
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

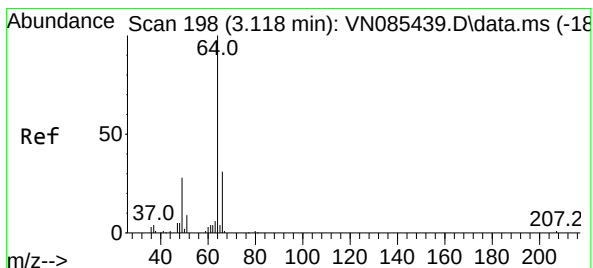
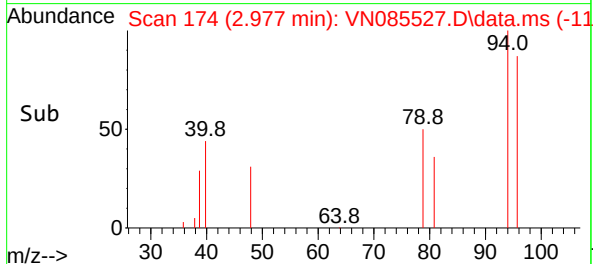
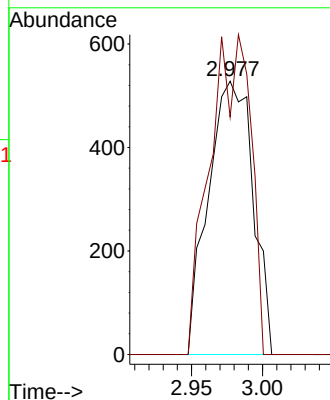
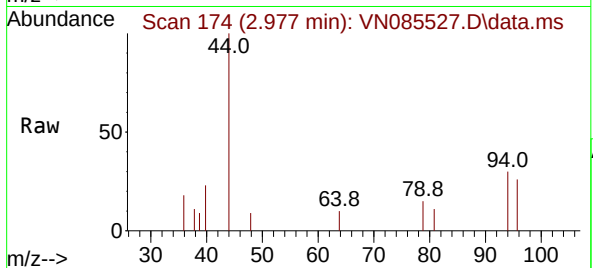




#5
Bromomethane
Concen: 0.748 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

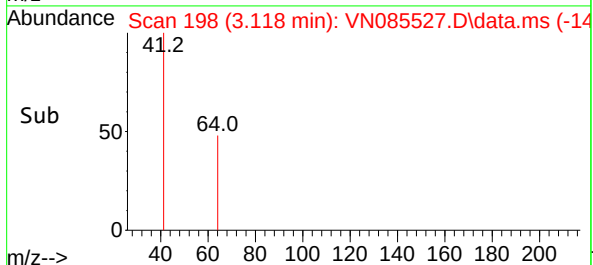
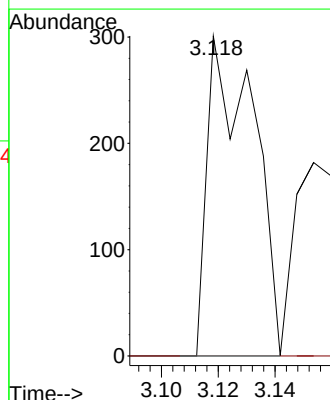
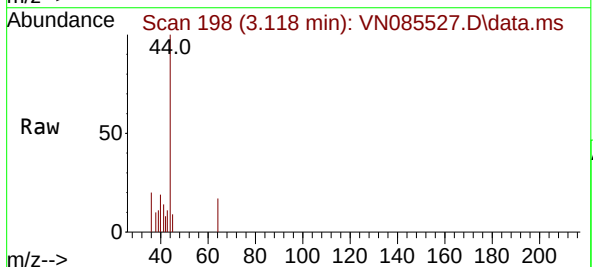
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

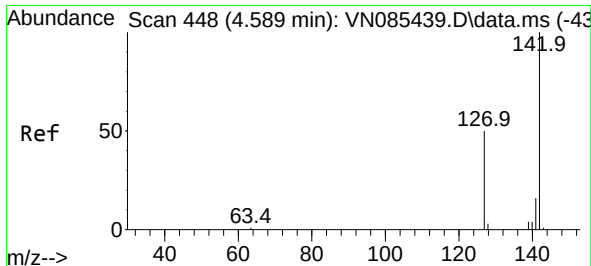
Tgt Ion: 94 Resp: 1156
Ion Ratio Lower Upper
94 100
96 86.9 71.8 107.6



#6
Chloroethane
Concen: 0.209 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

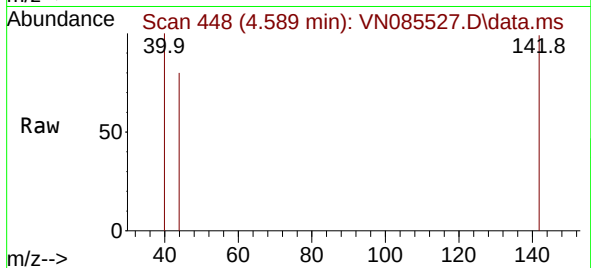
Tgt Ion: 64 Resp: 339
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



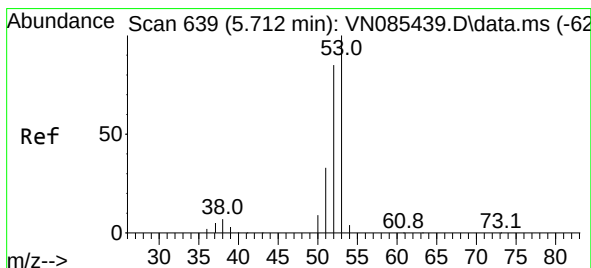
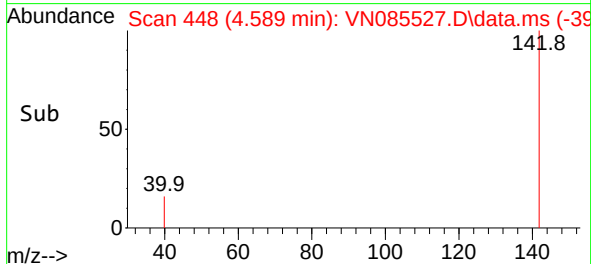
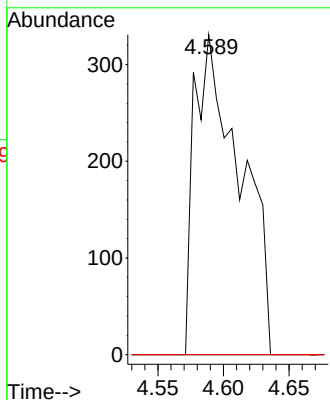


#10
Methyl Iodide
Concen: 0.336 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

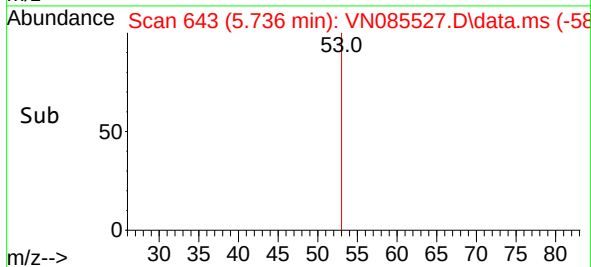
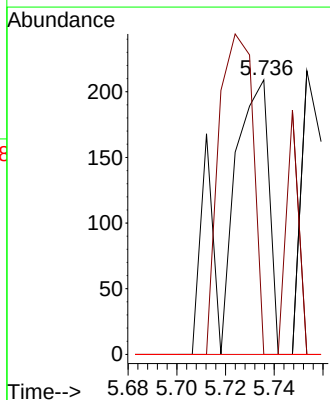
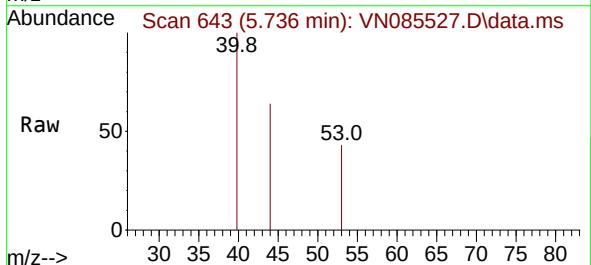


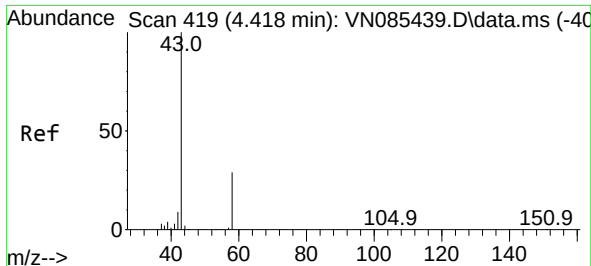
Tgt Ion:142 Resp: 805
Ion Ratio Lower Upper
142 100
127 0.0 40.3 60.5#
141 0.0 12.8 19.2#



#15
Acrylonitrile
Concen: 0.249 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.024 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion: 53 Resp: 254
Ion Ratio Lower Upper
53 100
52 93.3 65.5 98.3
51 0.0 29.8 44.8#

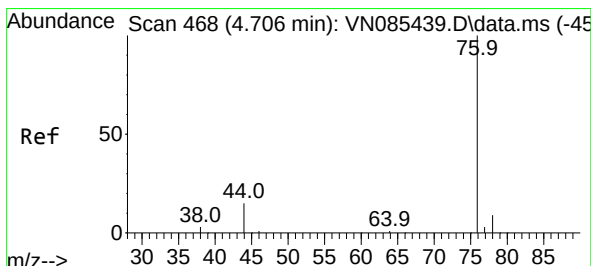
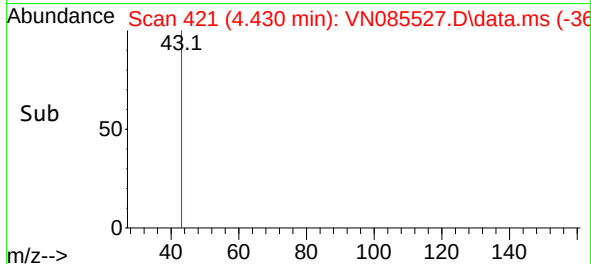
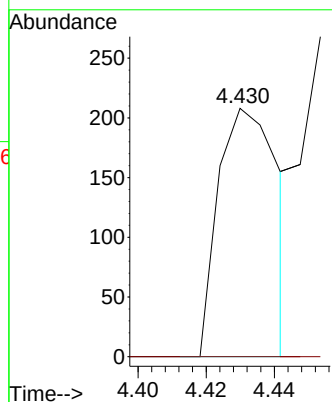
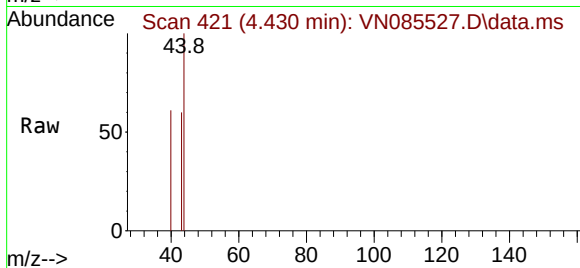




#16
Acetone
Concen: 0.279 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

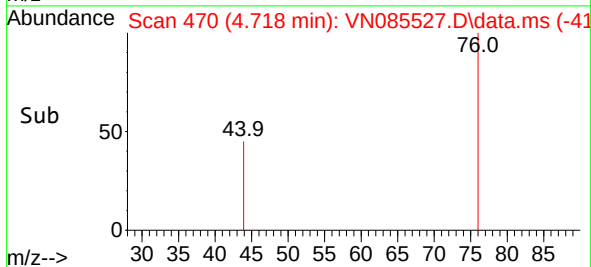
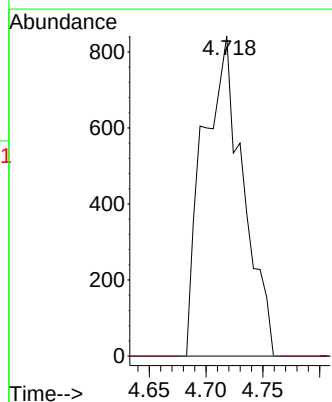
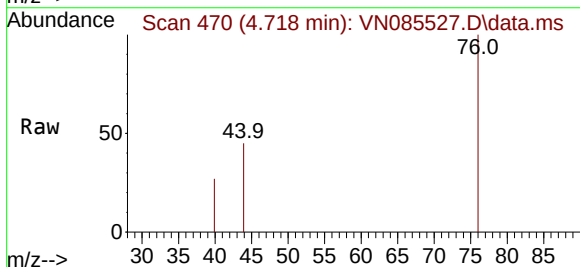
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

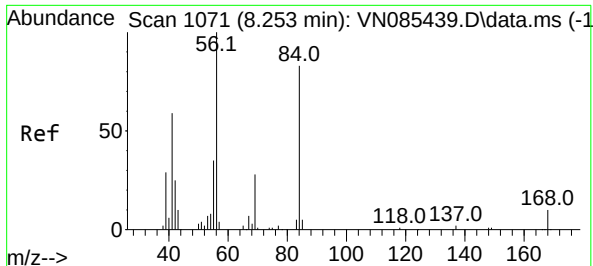
Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

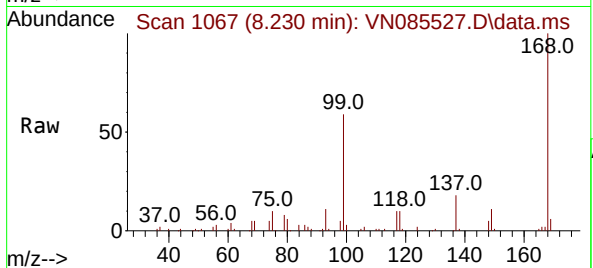
Tgt Ion: 76 Resp: 2046
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



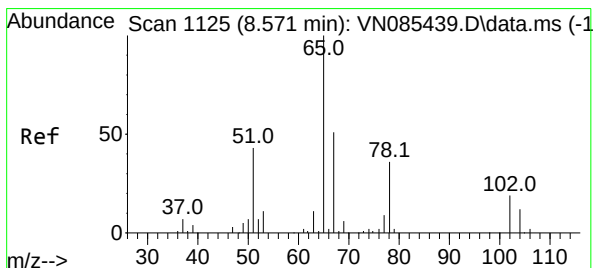
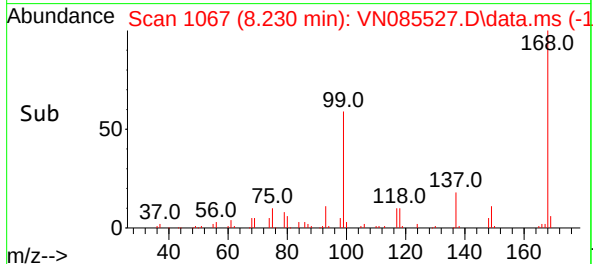
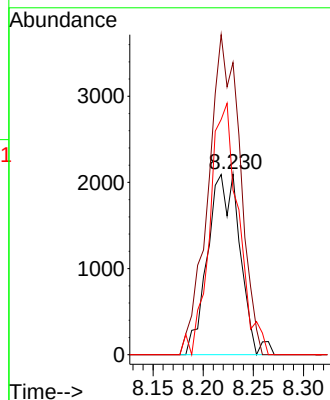


#31
Cyclohexane
Concen: 1.319 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

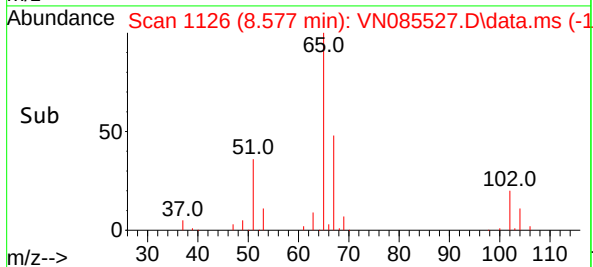
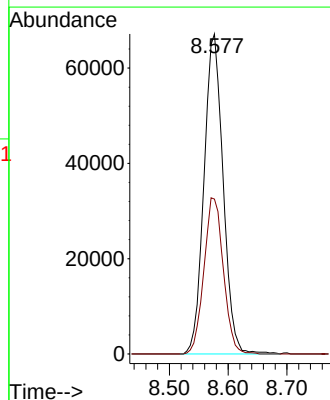
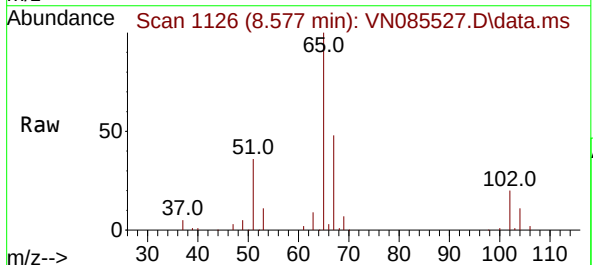


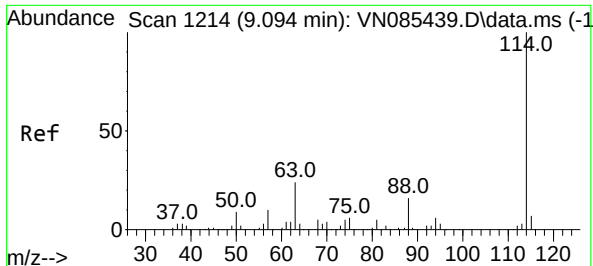
Tgt Ion: 56 Resp: 4693
Ion Ratio Lower Upper
56 100
69 161.8 22.2 33.4#
84 91.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.095 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion: 65 Resp: 151685
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0128MBL01

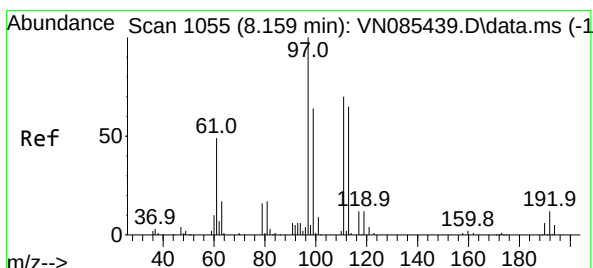
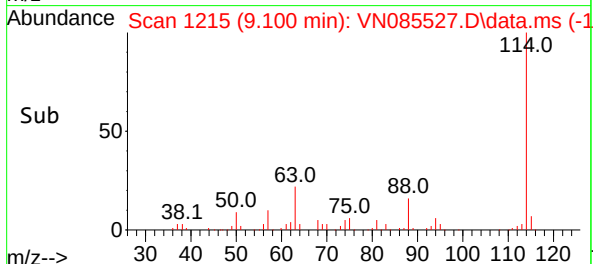
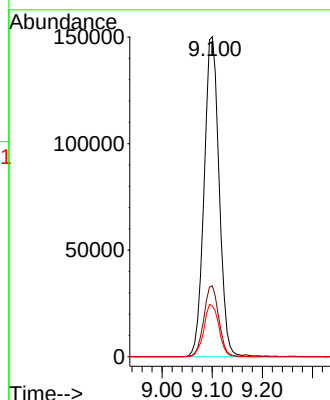
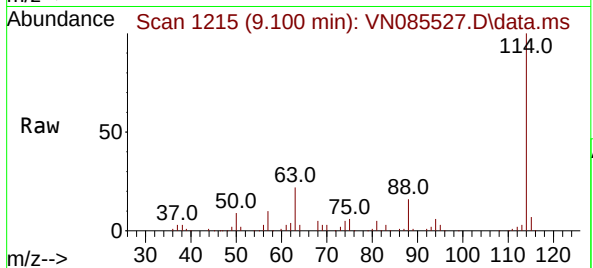
Tgt Ion:114 Resp: 312921

Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.679 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

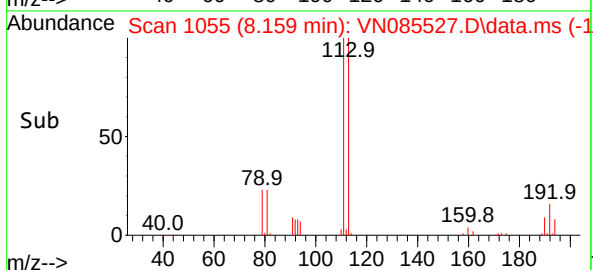
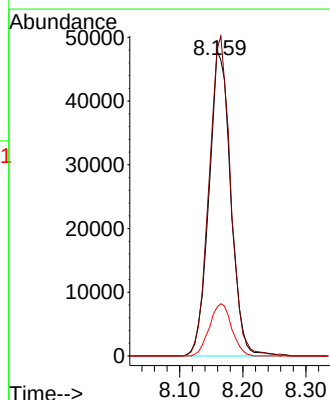
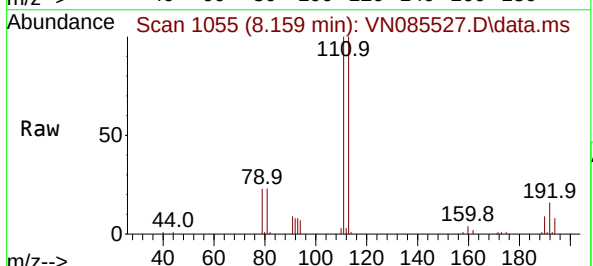
Tgt Ion:113 Resp: 114362

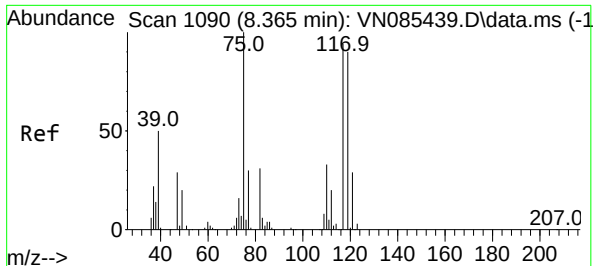
Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.274 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

Instrument :

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ClientSampleId :

VN0128MBL01

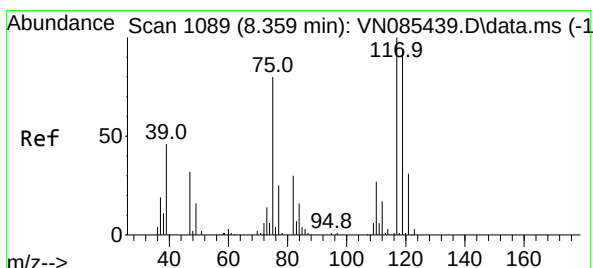
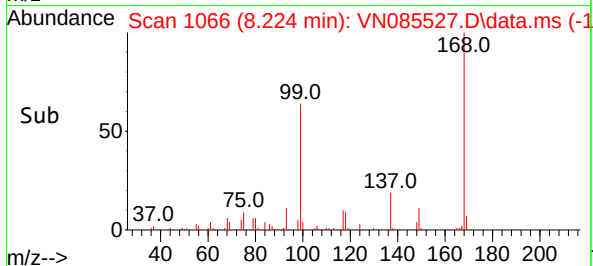
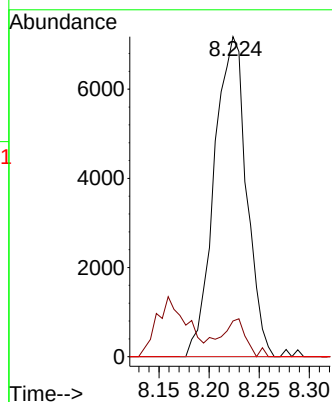
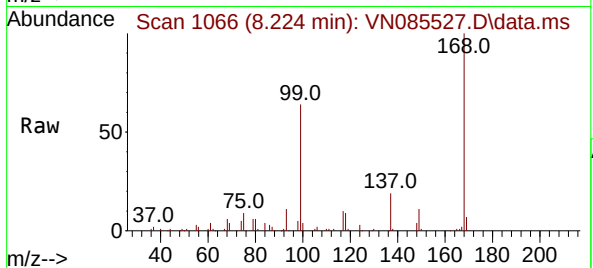
Tgt Ion: 75 Resp: 16070

Ion Ratio Lower Upper

75 100

110 7.9 16.5 49.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.379 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

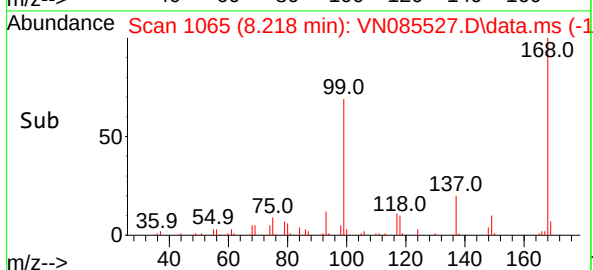
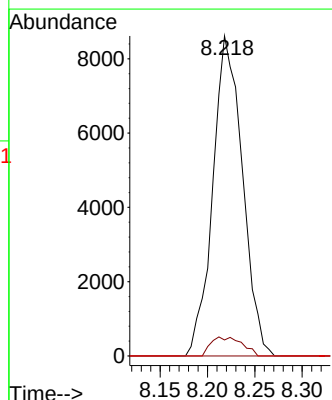
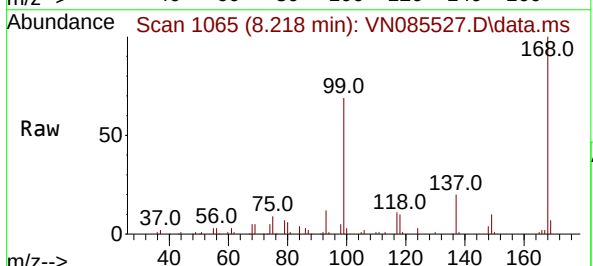
Tgt Ion: 117 Resp: 18762

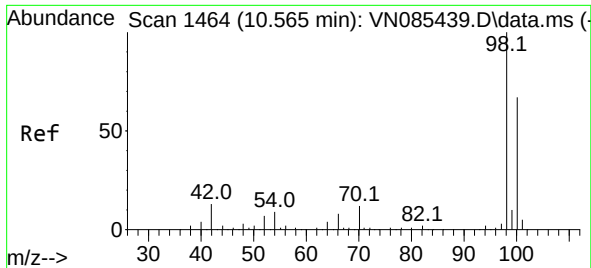
Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.2#

121 0.0 24.6 37.0#

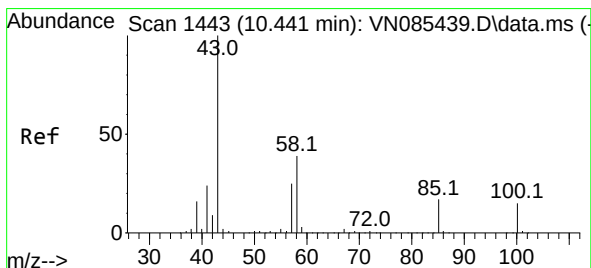
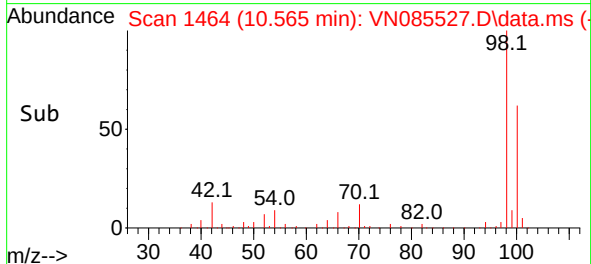
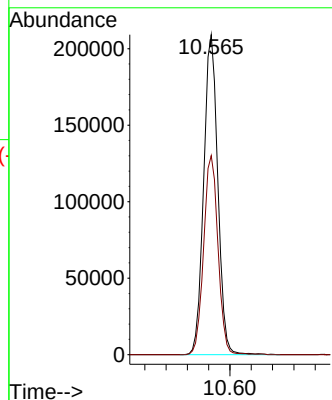
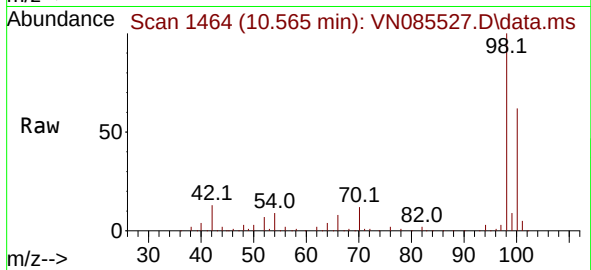




#50
Toluene-d8
Concen: 49.843 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

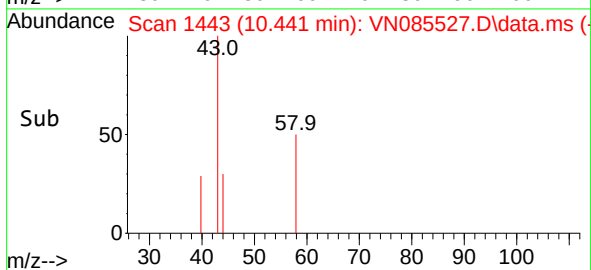
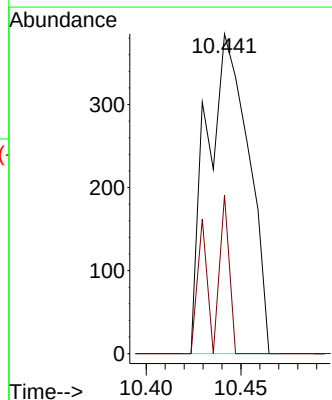
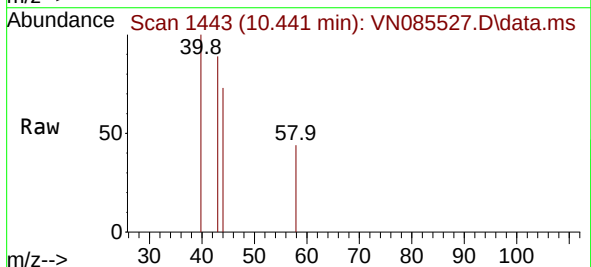
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

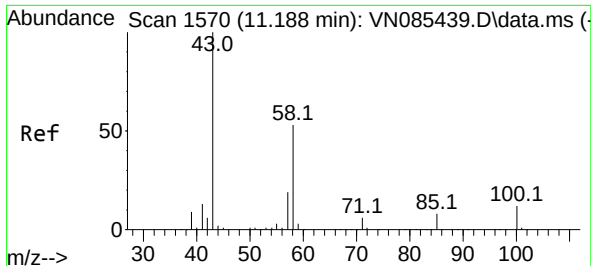
Tgt Ion: 98 Resp: 384444
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#





#59

2-Hexanone

Concen: 0.571 ug/l

RT: 11.188 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

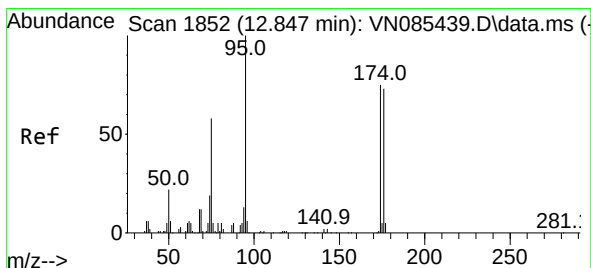
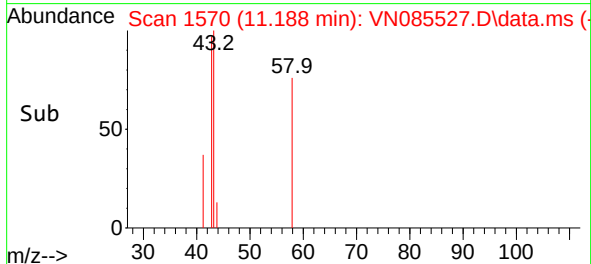
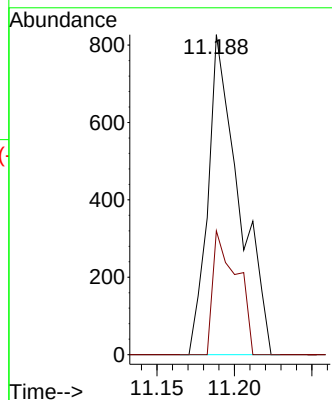
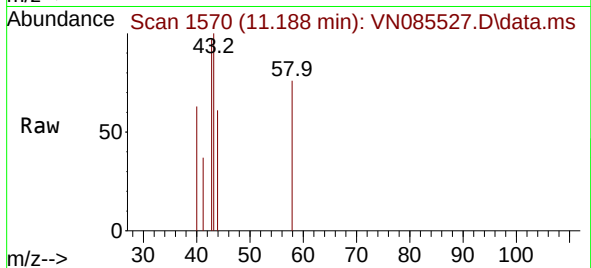
VN0128MBL01

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

58 30.1 26.2 78.6



#62

4-Bromofluorobenzene

Concen: 43.213 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

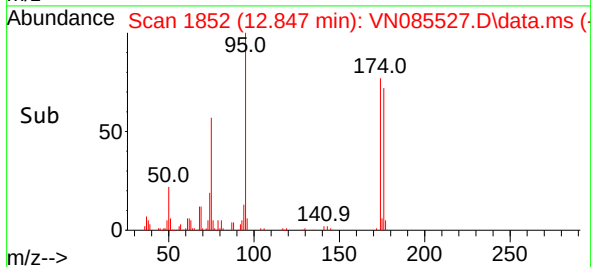
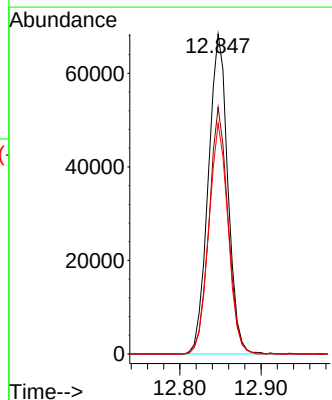
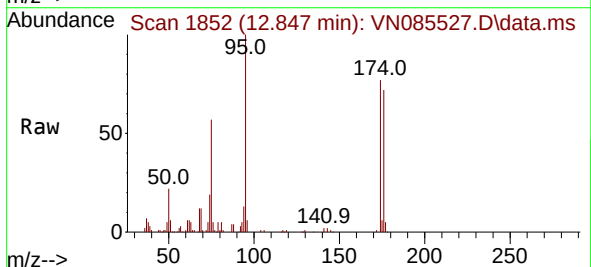
Tgt Ion: 95 Resp: 114017

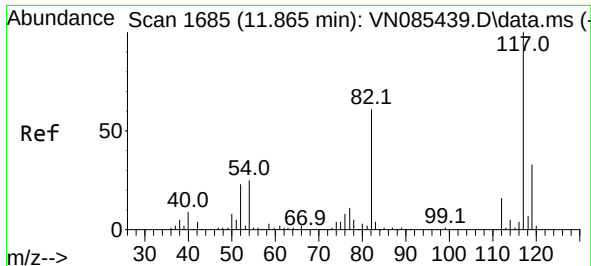
Ion Ratio Lower Upper

95 100

174 75.4 0.0 145.0

176 71.0 0.0 142.4

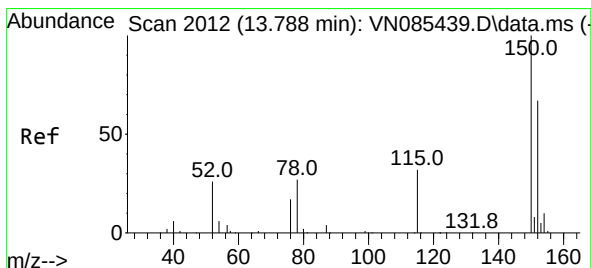
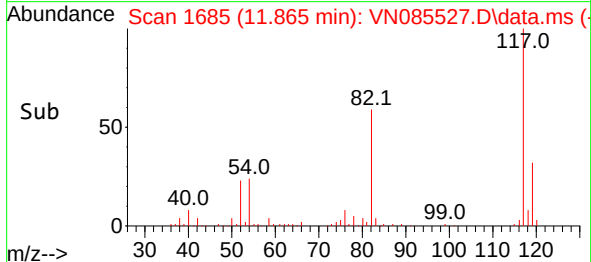
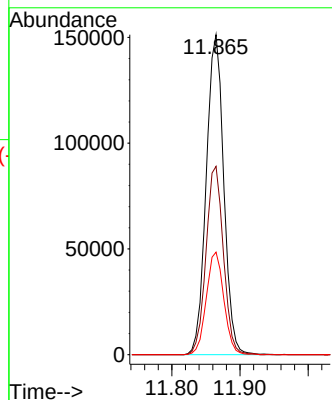
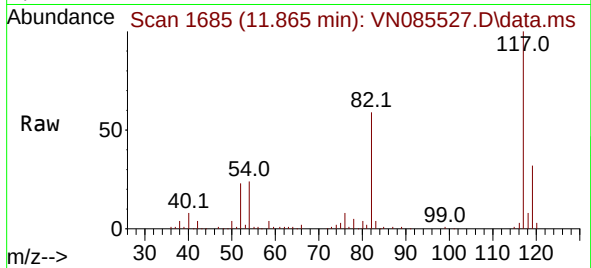




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

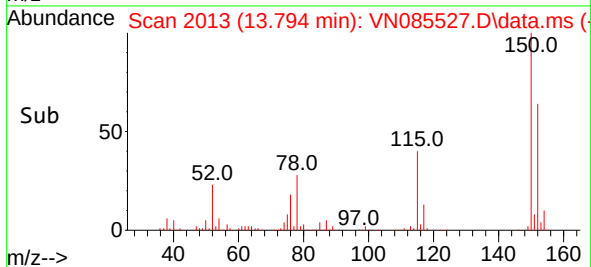
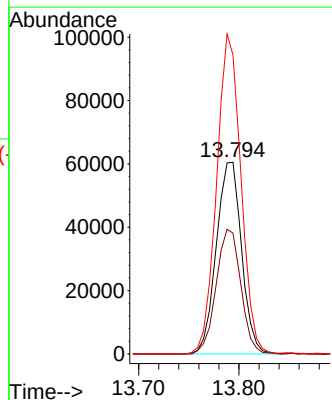
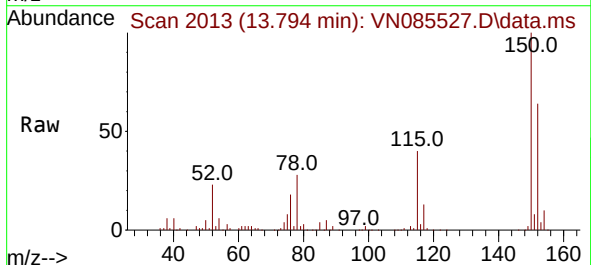
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

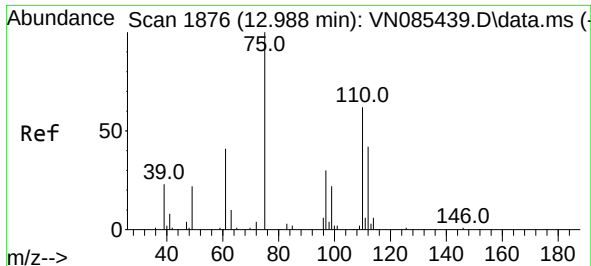
Tgt Ion:117 Resp: 270476
Ion Ratio Lower Upper
117 100
82 58.9 48.6 72.8
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion:152 Resp: 105996
Ion Ratio Lower Upper
152 100
115 63.4 31.1 93.3
150 160.4 0.0 343.6

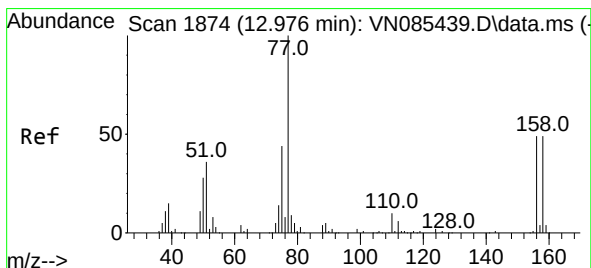
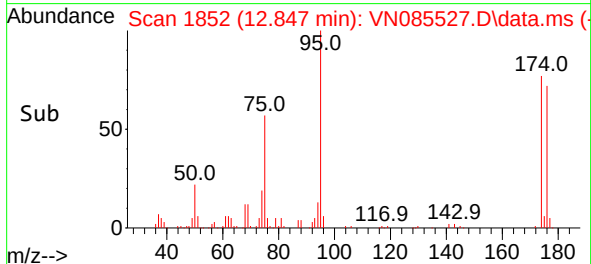
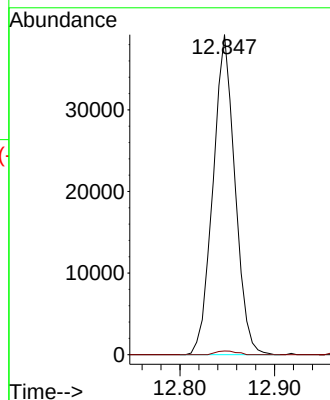
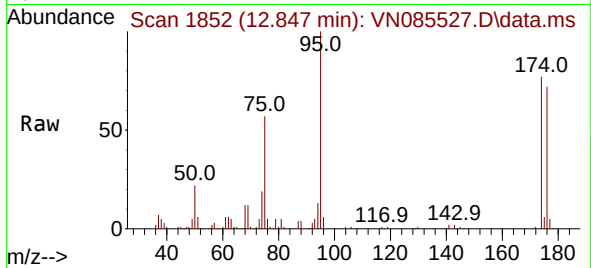




#76
1,2,3-Trichloropropane
Concen: 29.376 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

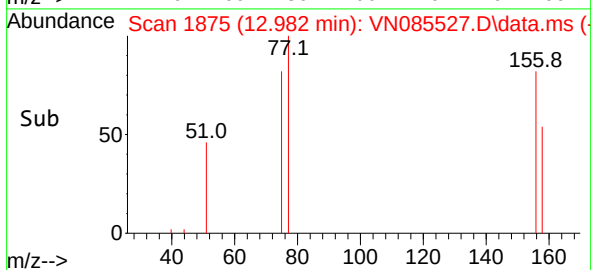
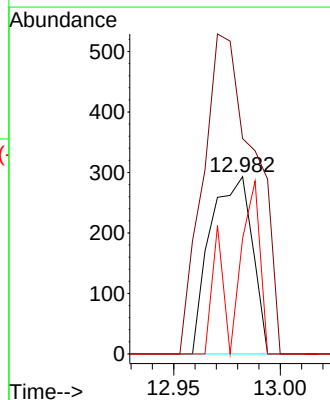
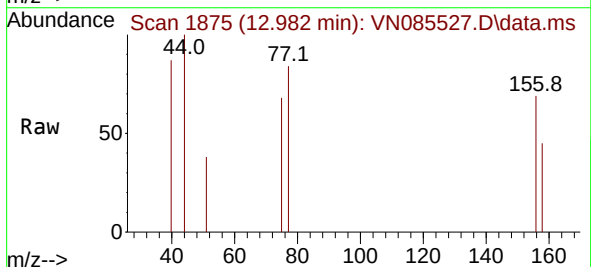
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

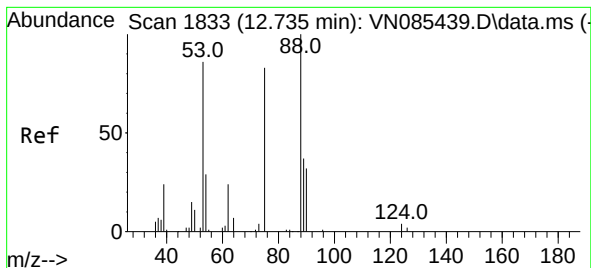
Tgt Ion: 75 Resp: 63288
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#



#77
Bromobenzene
Concen: 0.215 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion:156 Resp: 401
Ion Ratio Lower Upper
156 100
77 221.7 114.1 342.4
158 60.6 48.9 146.8

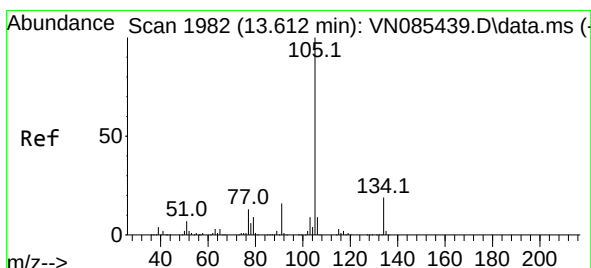
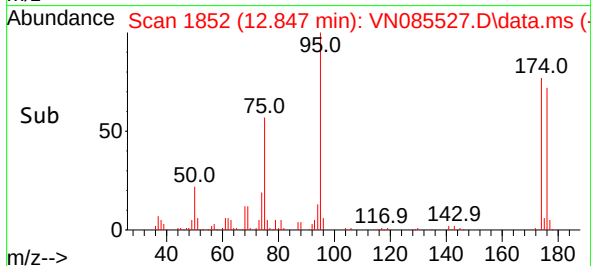
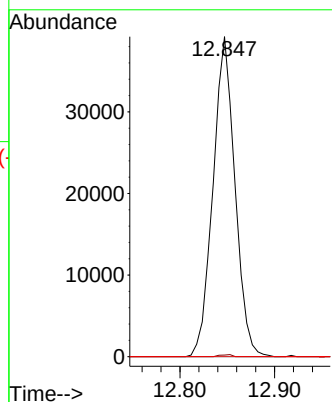
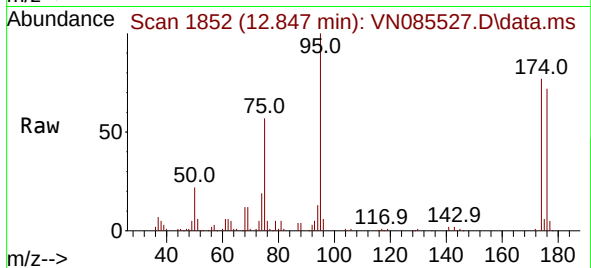




#81
trans-1,4-Dichloro-2-butene
Concen: 79.479 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

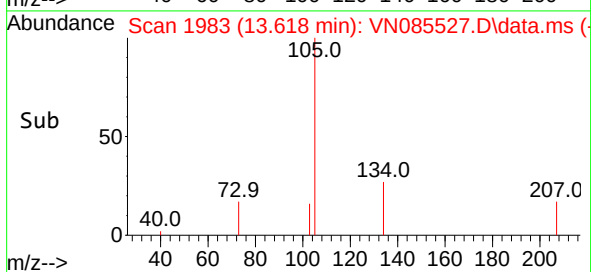
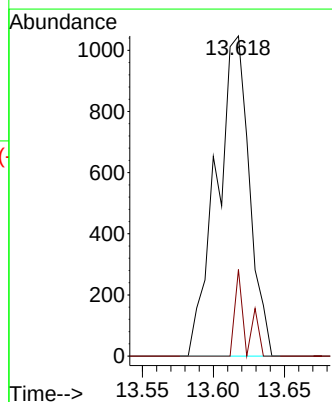
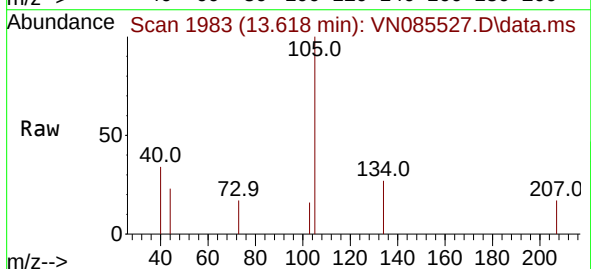
Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

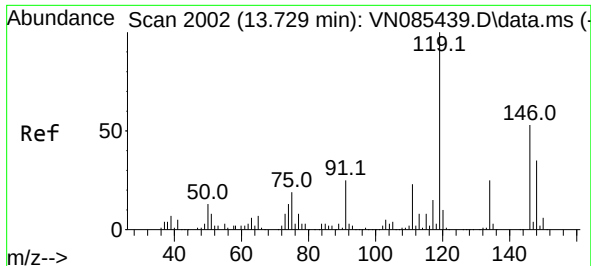
Tgt Ion: 75 Resp: 63288
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#



#85
sec-Butylbenzene
Concen: 0.245 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.006 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion: 105 Resp: 1684
Ion Ratio Lower Upper
105 100
134 9.2 9.7 28.9#





#87

1,3-Dichlorobenzene

Concen: 0.309 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0128MBL01

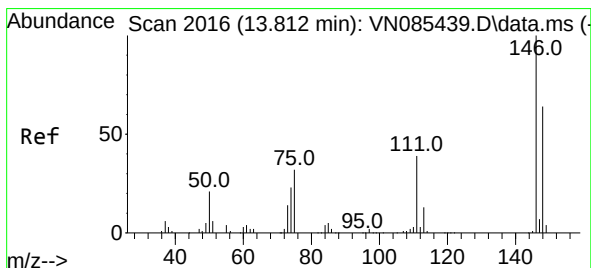
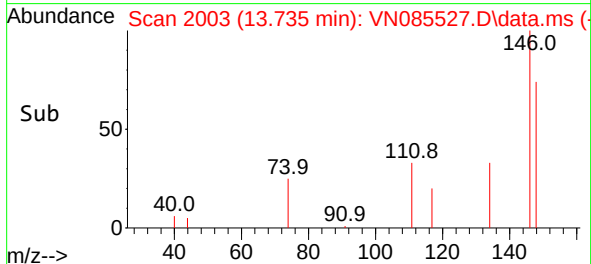
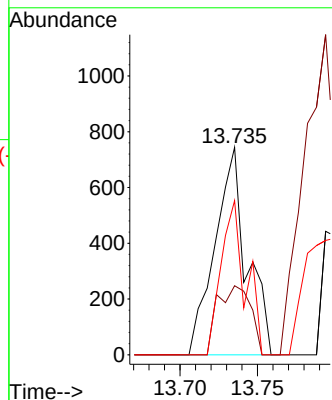
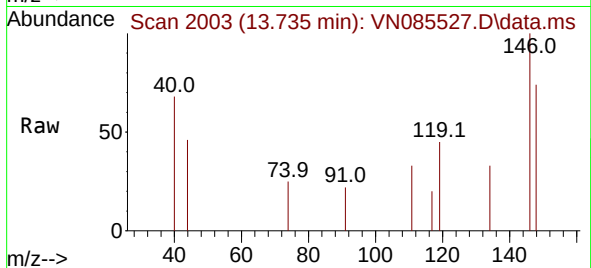
Tgt Ion:146 Resp: 1065

Ion Ratio Lower Upper

146 100

111 34.5 21.4 64.3

148 56.3 32.3 96.9



#88

1,4-Dichlorobenzene

Concen: 0.299 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.076 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

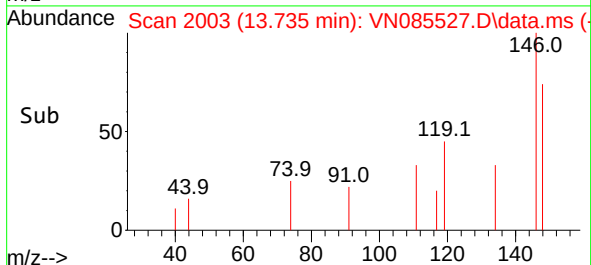
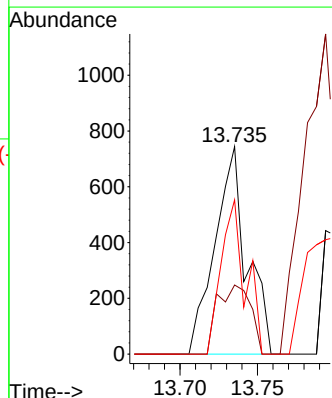
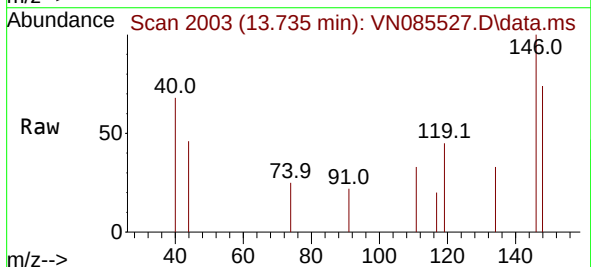
Tgt Ion:146 Resp: 1065

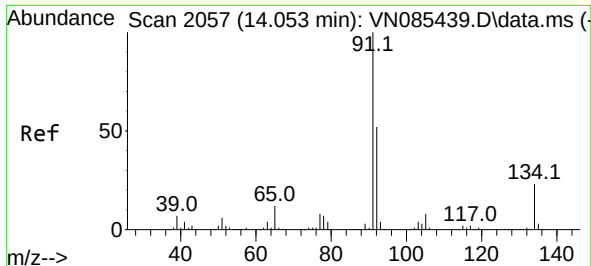
Ion Ratio Lower Upper

146 100

111 34.5 21.3 63.7

148 56.3 32.4 97.0





#89

n-Butylbenzene

Concen: 0.514 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0128MBL01

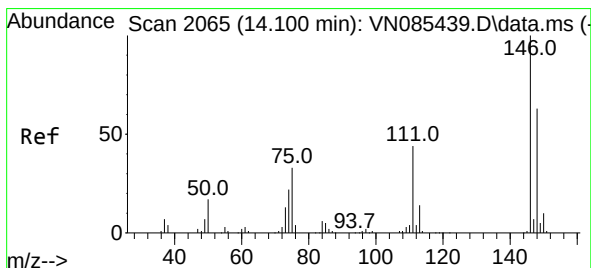
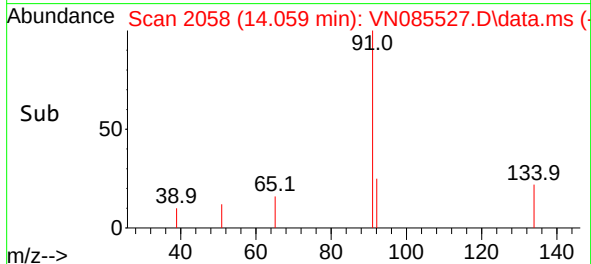
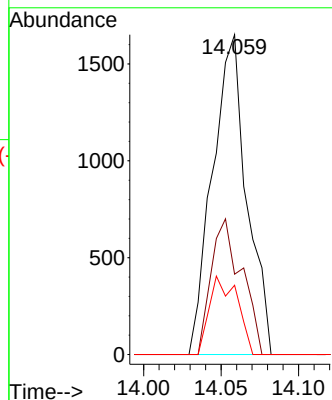
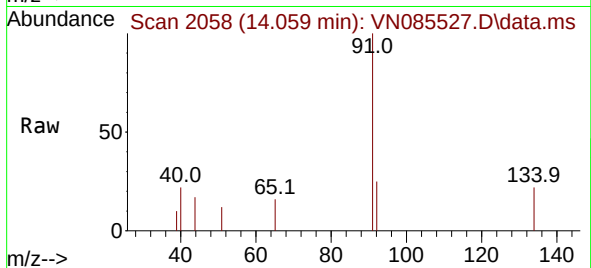
Tgt Ion: 91 Resp: 2536

Ion Ratio Lower Upper

91 100

92 37.8 25.8 77.3

134 20.0 11.7 35.1



#91

1,2-Dichlorobenzene

Concen: 0.252 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

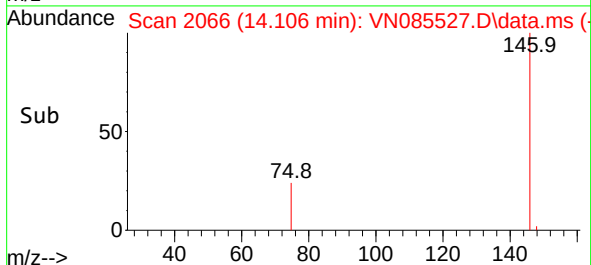
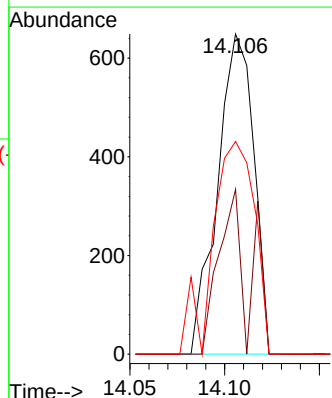
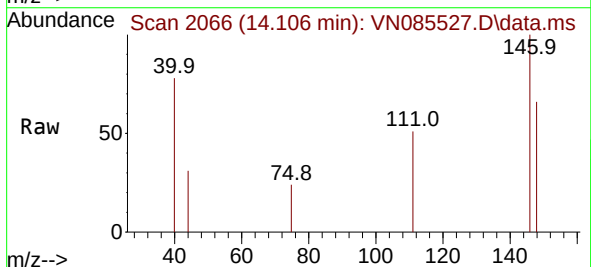
Tgt Ion:146 Resp: 866

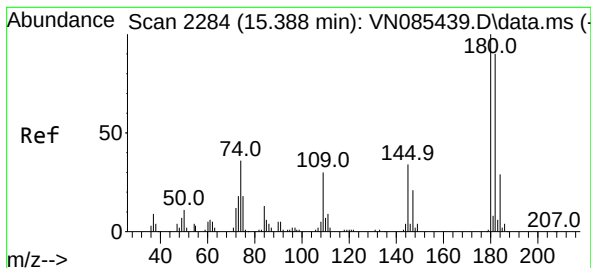
Ion Ratio Lower Upper

146 100

111 42.7 21.7 65.1

148 77.3 31.4 94.2





#93

1,2,4-Trichlorobenzene

Concen: 0.932 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0128MBL01

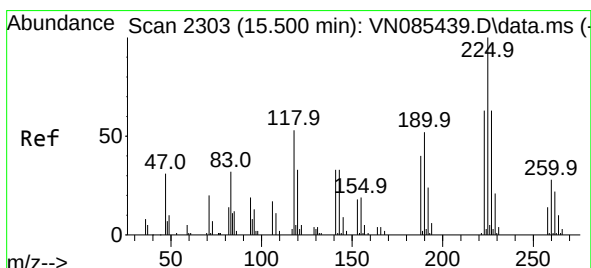
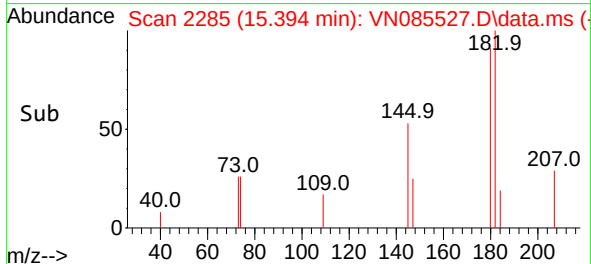
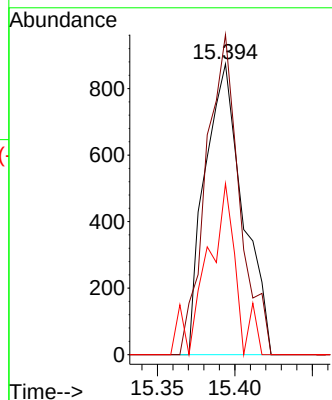
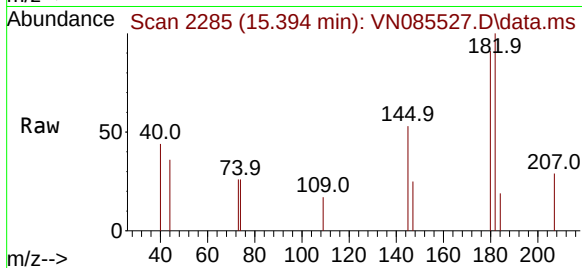
Tgt Ion:180 Resp: 1487

Ion Ratio Lower Upper

180 100

182 97.3 46.8 140.3

145 45.5 16.0 48.0



#94

Hexachlorobutadiene

Concen: 1.498 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN085527.D

Acq: 28 Jan 2025 10:27

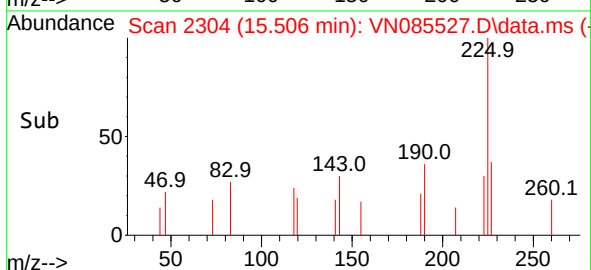
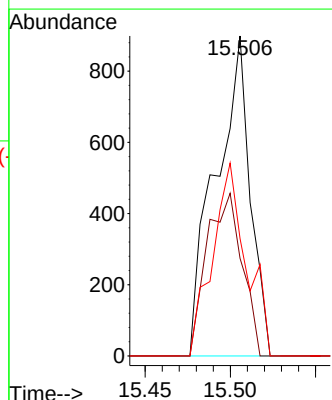
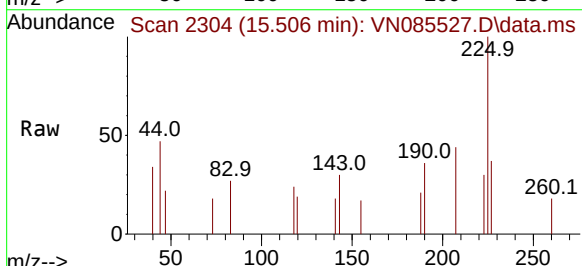
Tgt Ion:225 Resp: 1269

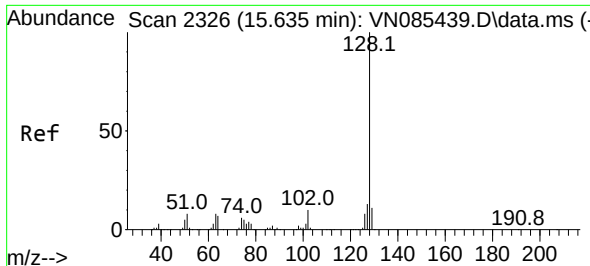
Ion Ratio Lower Upper

225 100

223 51.7 30.7 92.1

227 59.1 30.9 92.5

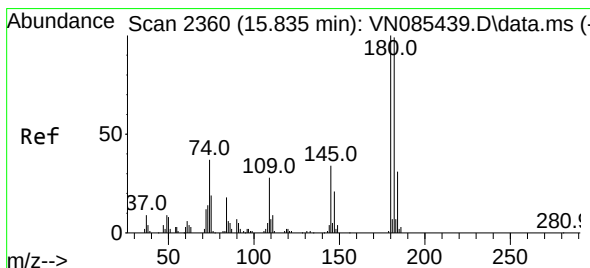
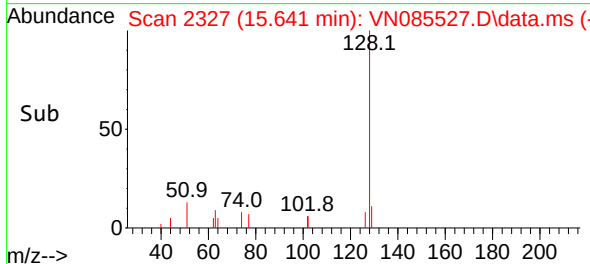
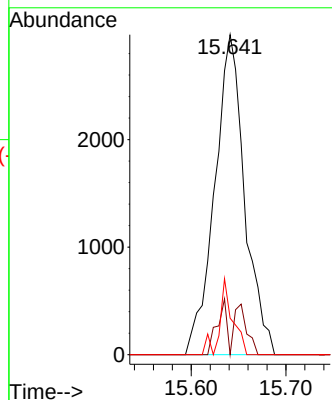
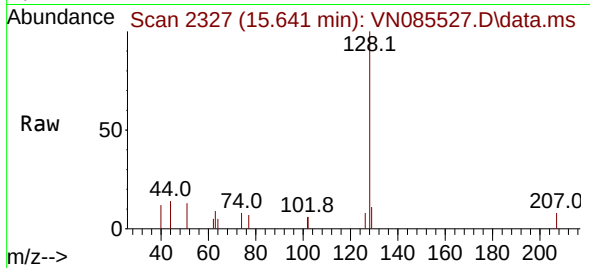




#95
Naphthalene
Concen: 1.375 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0128MBL01

Tgt Ion:128 Resp: 6549
Ion Ratio Lower Upper
128 100
127 5.6 10.6 16.0#
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.177 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085527.D
Acq: 28 Jan 2025 10:27

Tgt Ion:180 Resp: 1901
Ion Ratio Lower Upper
180 100
182 104.9 47.4 142.2
145 19.9 16.9 50.7

