

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085848.D
 Acq On : 25 Feb 2025 11:19
 Operator : JC\MD
 Sample : VN0225MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Quant Time: Feb 25 23:23:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

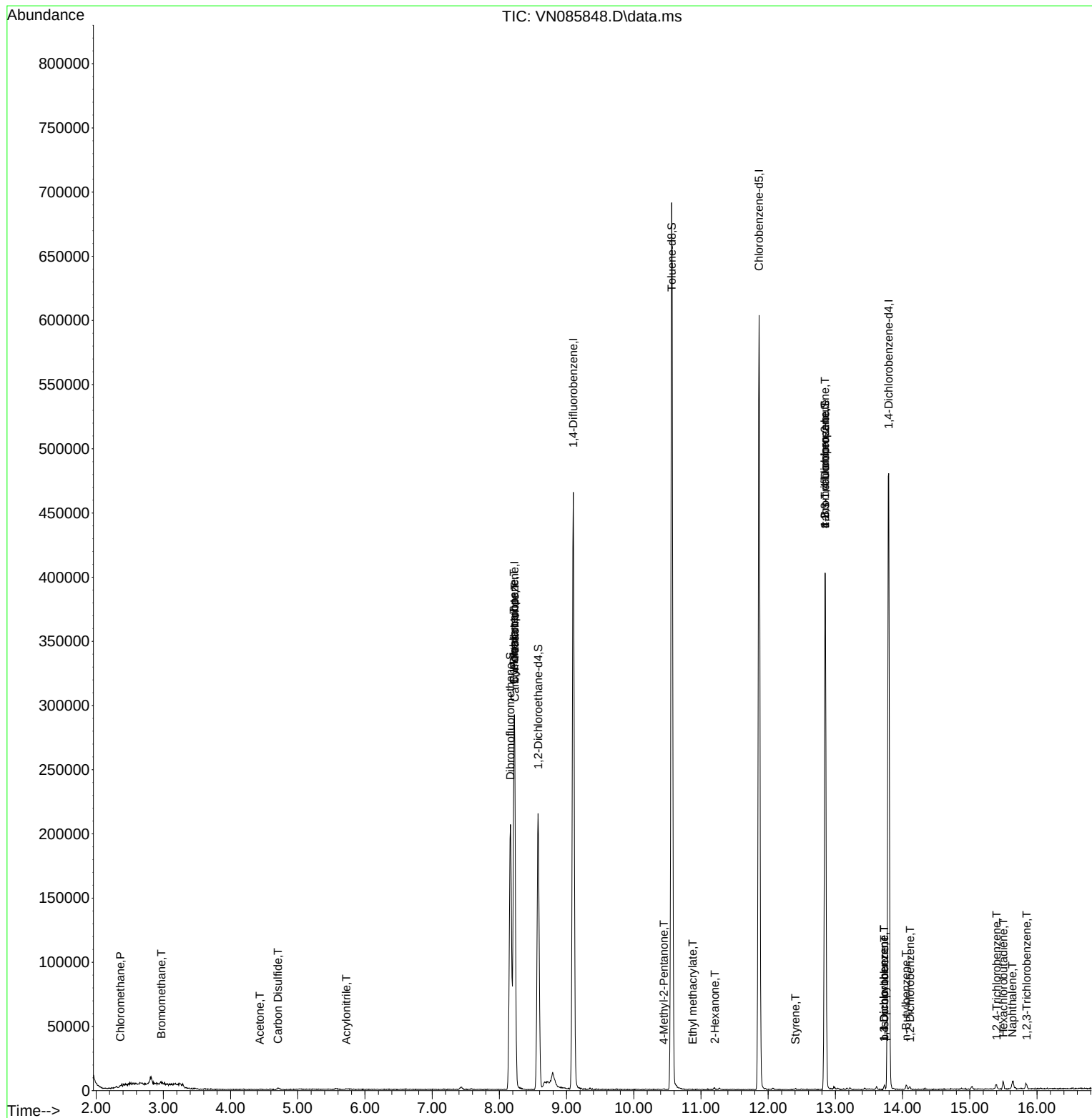
Internal Standards						
1) Pentafluorobenzene	8.224	168	212309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	398494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172010	62.492	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.980%			
35) Dibromofluoromethane	8.165	113	151153	57.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.940%			
50) Toluene-d8	10.565	98	495454	52.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.847	95	142420	45.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.120%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	895	0.309	ug/l #	84
5) Bromomethane	2.971	94	1358	0.692	ug/l #	72
15) Acrylonitrile	5.724	53	492	0.447	ug/l #	63
16) Acetone	4.436	43	323	0.371	ug/l #	40
17) Carbon Disulfide	4.706	76	2710	0.393	ug/l #	82
31) Cyclohexane	8.218	56	4803	1.222	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17786	4.820	ug/l #	49
38) Carbon Tetrachloride	8.230	117	22185	5.059	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	767	0.262	ug/l #	33
56) Ethyl methacrylate	10.877	69	76	0.481	ug/l #	30
59) 2-Hexanone	11.206	43	1360	0.675	ug/l #	56
70) Styrene	12.406	104	340	0.627	ug/l #	69
76) 1,2,3-Trichloropropane	12.847	75	69984	22.795	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69984	66.511	ug/l #	13
86) p-Isopropyltoluene	13.729	119	1059	0.760	ug/l	86
87) 1,3-Dichlorobenzene	13.723	146	1249	0.261	ug/l	91
88) 1,4-Dichlorobenzene	13.723	146	1249	0.254	ug/l	91
89) n-Butylbenzene	14.053	91	2724	0.419	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	1305	0.283	ug/l	84
93) 1,2,4-Trichlorobenzene	15.400	180	1715	0.781	ug/l	89
94) Hexachlorobutadiene	15.500	225	1214	0.910	ug/l	96
95) Naphthalene	15.635	128	7616	1.263	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	2137	0.969	ug/l	91

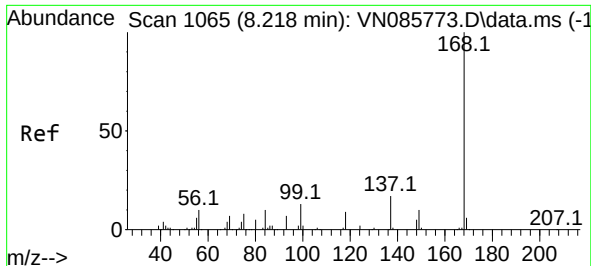
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
Data File : VN085848.D
Acq On : 25 Feb 2025 11:19
Operator : JC\MD
Sample : VN0225MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

Quant Time: Feb 25 23:23:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

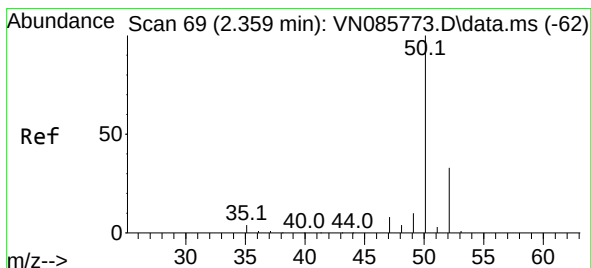
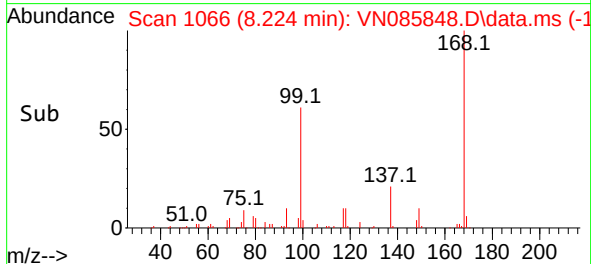
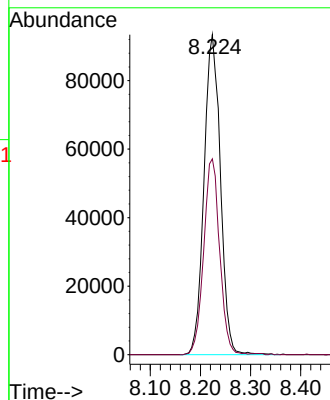
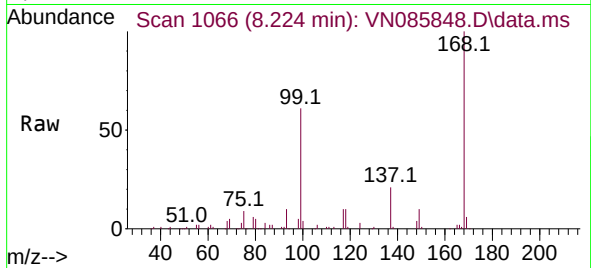




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

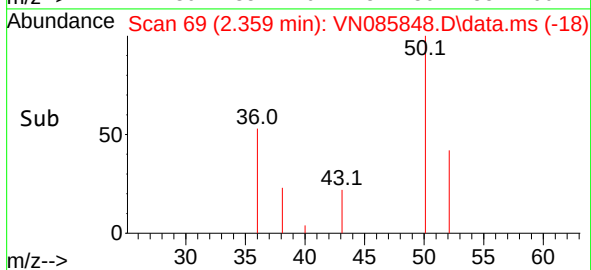
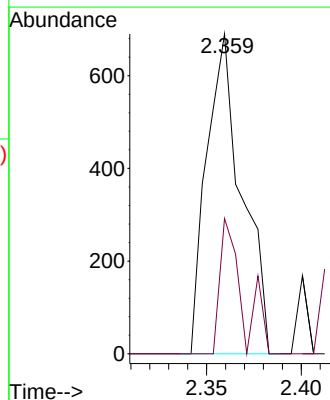
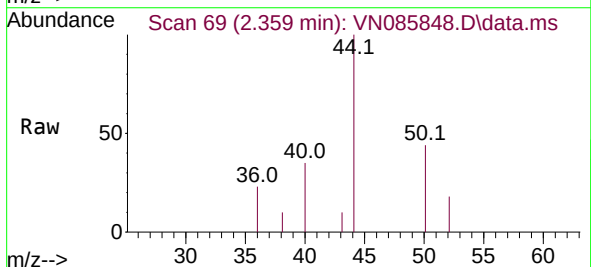
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

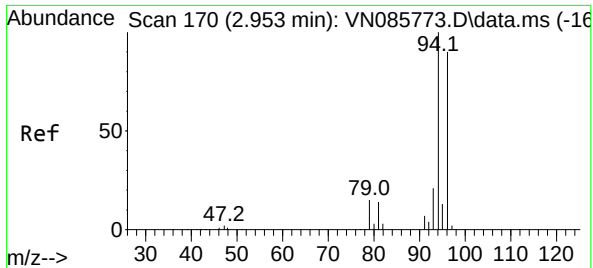
Tgt Ion:168 Resp: 212309
Ion Ratio Lower Upper
168 100
99 61.2 47.9 71.9



#3
Chloromethane
Concen: 0.309 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 50 Resp: 895
Ion Ratio Lower Upper
50 100
52 42.3 26.7 40.1#

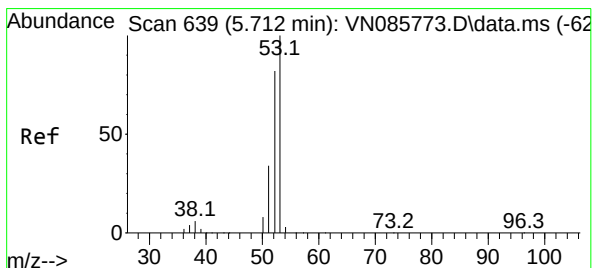
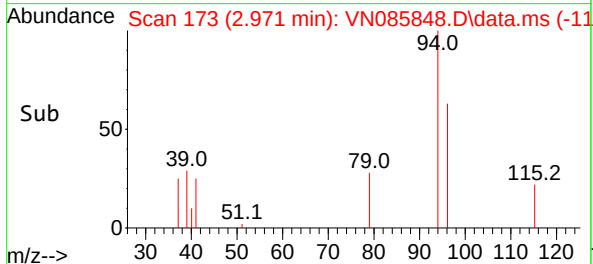
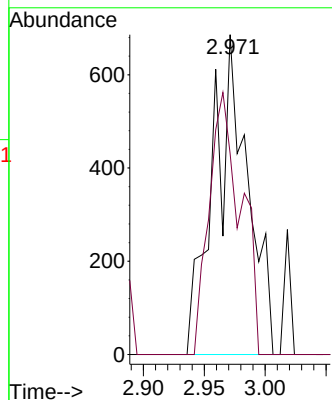
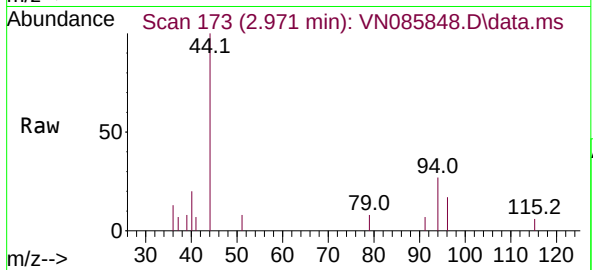




#5
Bromomethane
Concen: 0.692 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

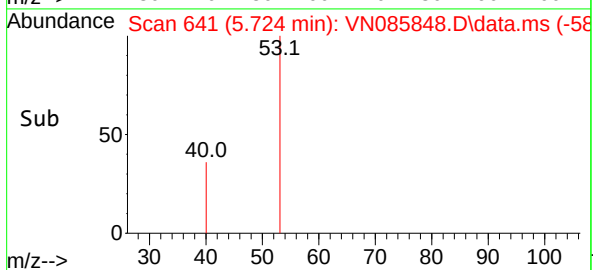
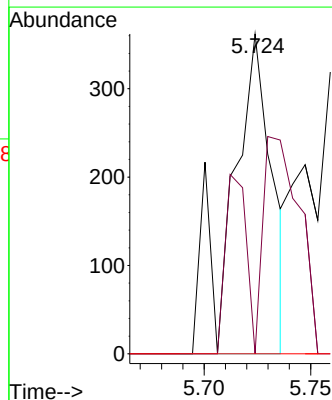
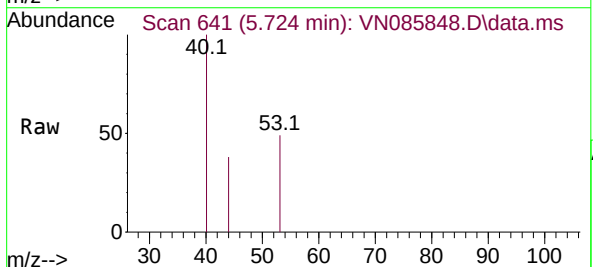
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

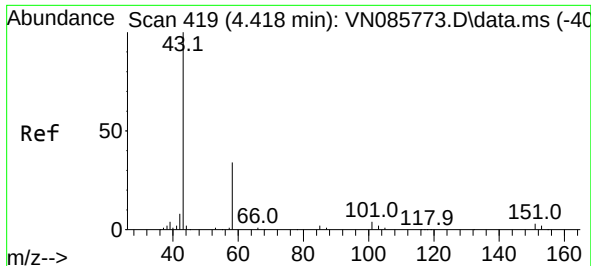
Tgt Ion: 94 Resp: 1358
Ion Ratio Lower Upper
94 100
96 62.8 71.7 107.5#



#15
Acrylonitrile
Concen: 0.447 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 53 Resp: 492
Ion Ratio Lower Upper
53 100
52 58.9 65.8 98.6#
51 0.0 28.6 42.8#

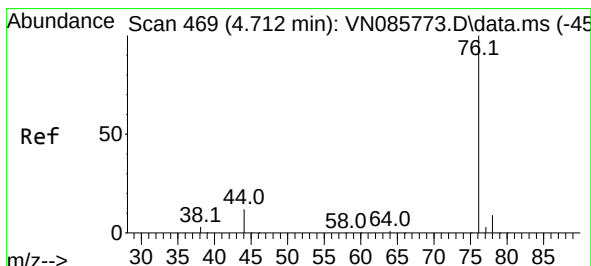
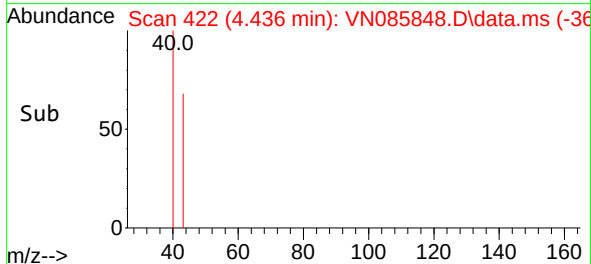
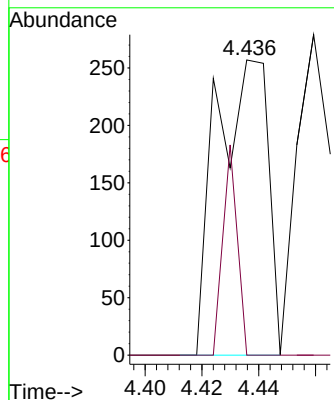
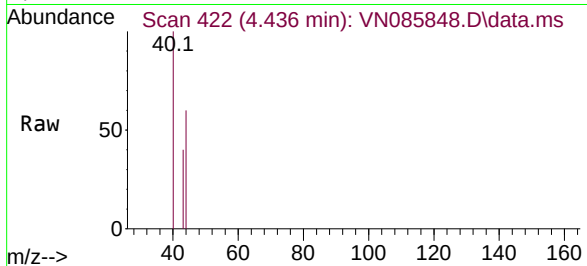




#16
Acetone
Concen: 0.371 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

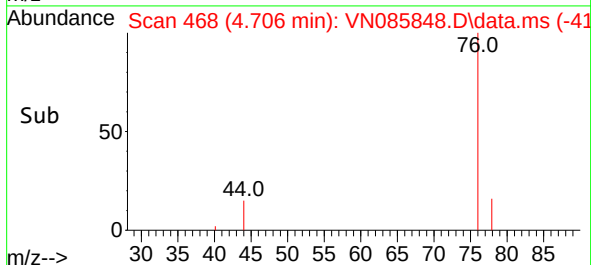
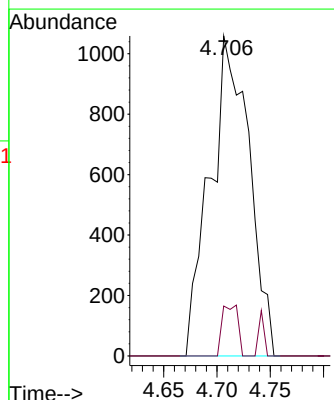
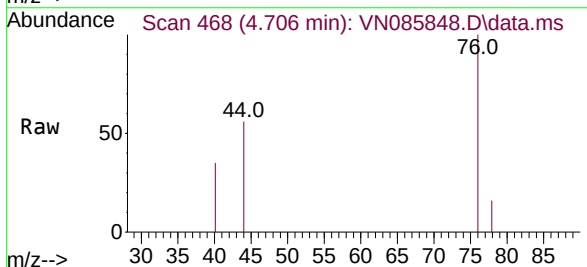
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

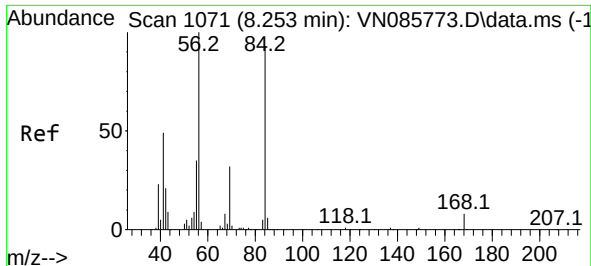
Tgt Ion: 43 Resp: 323
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.393 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 76 Resp: 2710
Ion Ratio Lower Upper
76 100
78 15.6 7.4 11.0#

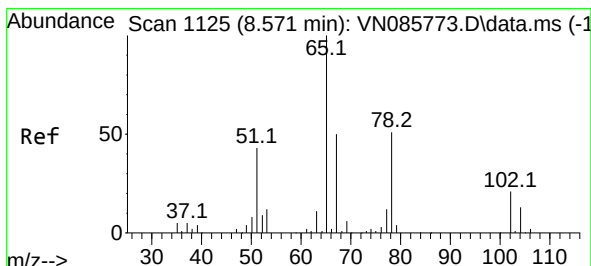
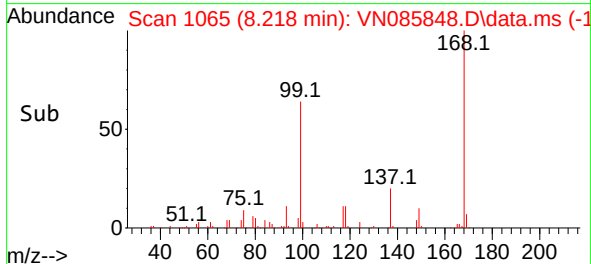
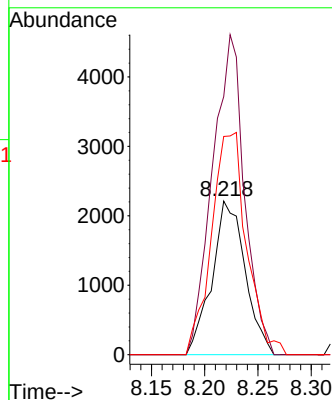
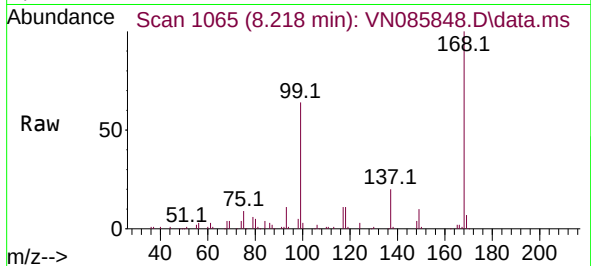




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

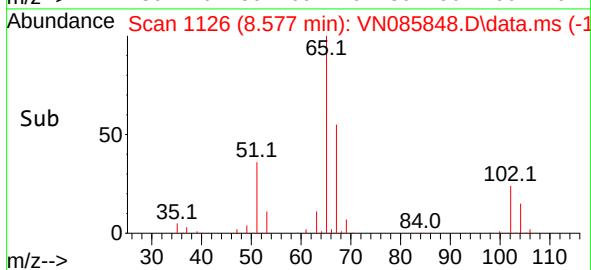
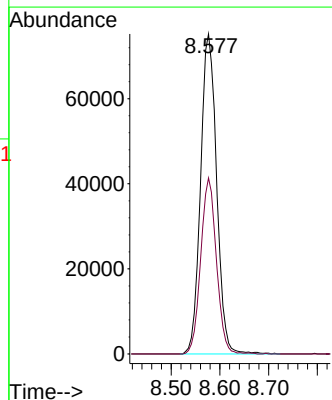
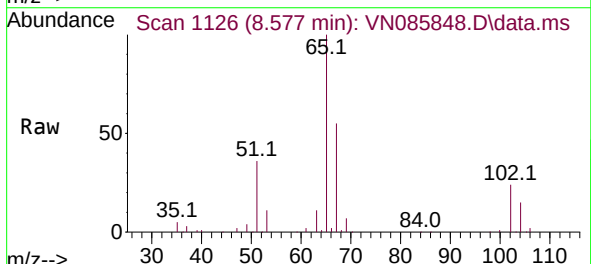
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

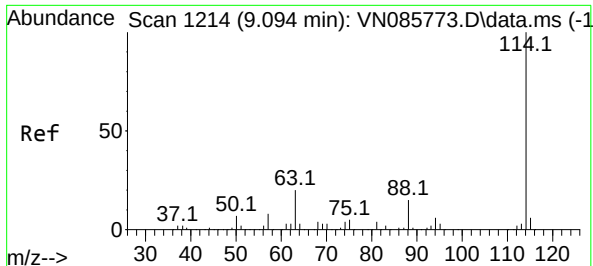
Tgt Ion: 56 Resp: 4803
Ion Ratio Lower Upper
56 100
69 168.0 25.8 38.6#
84 142.0 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 62.492 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 65 Resp: 172010
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085848.D

Acq: 25 Feb 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0225MBL01

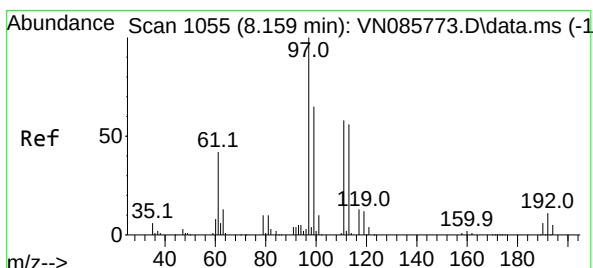
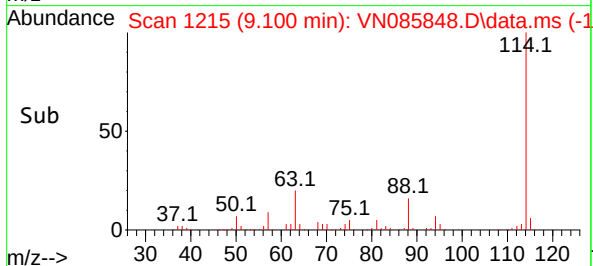
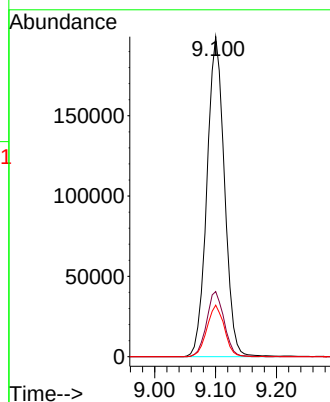
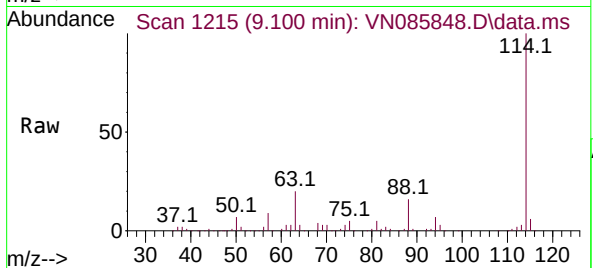
Tgt Ion:114 Resp: 398494

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 16.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 57.967 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085848.D

Acq: 25 Feb 2025 11:19

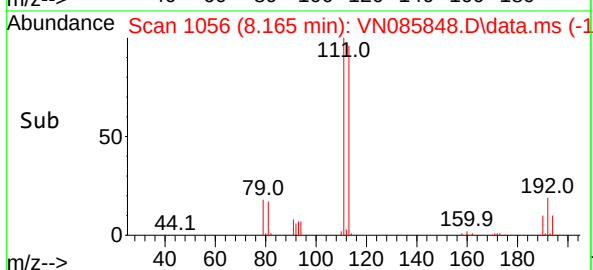
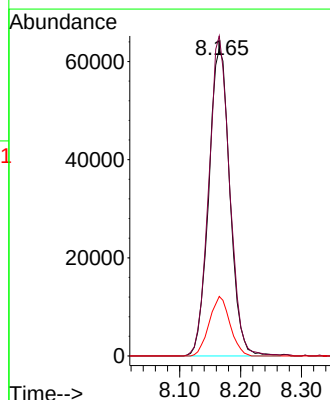
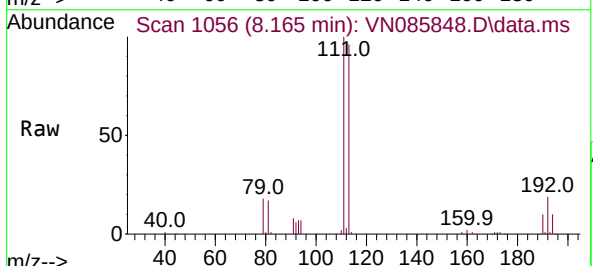
Tgt Ion:113 Resp: 151153

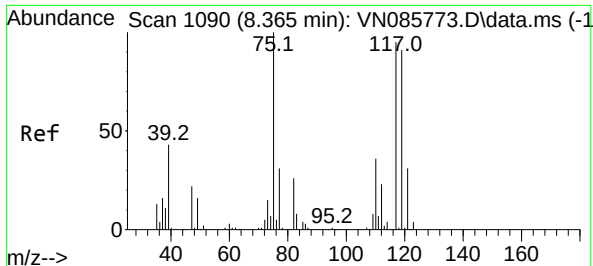
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 18.9 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085848.D

Acq: 25 Feb 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0225MBL01

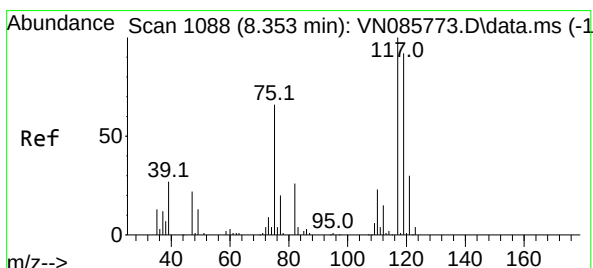
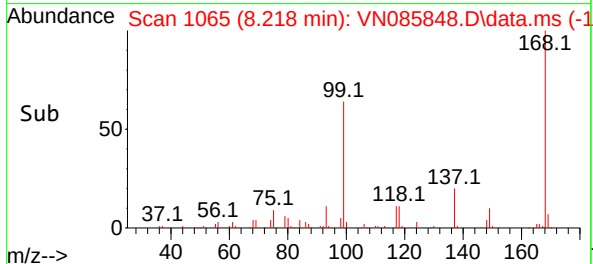
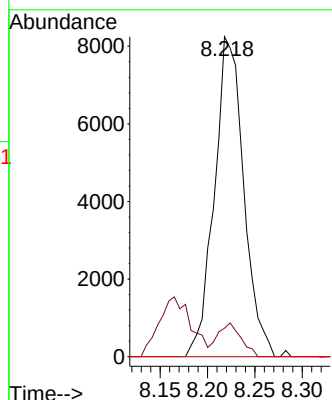
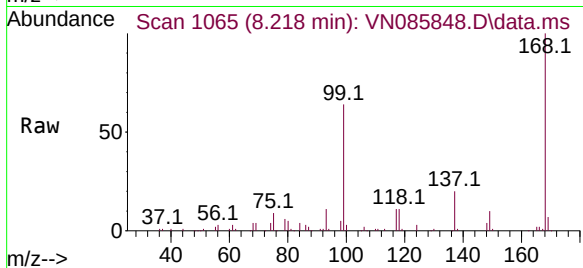
Tgt Ion: 75 Resp: 17786

Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.059 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.123 min

Lab File: VN085848.D

Acq: 25 Feb 2025 11:19

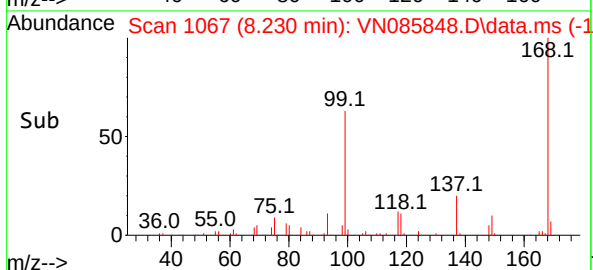
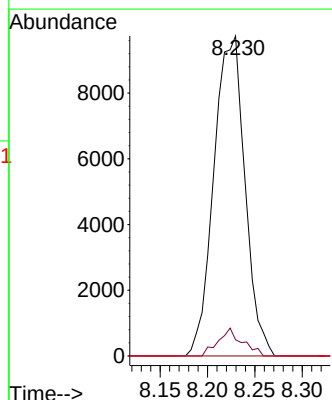
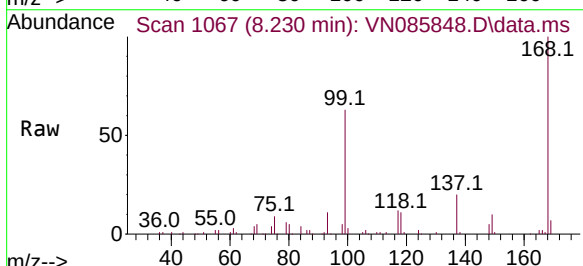
Tgt Ion: 117 Resp: 22185

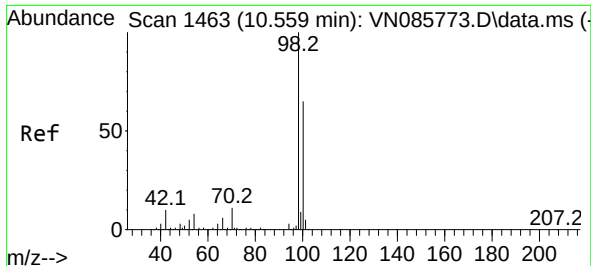
Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.6#

121 0.0 24.3 36.5#

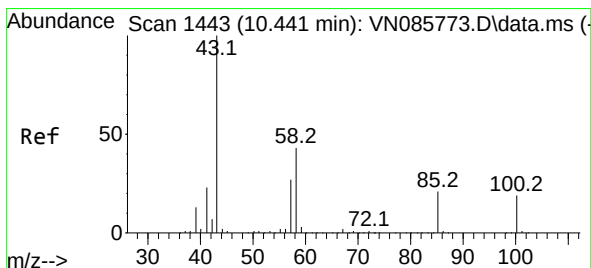
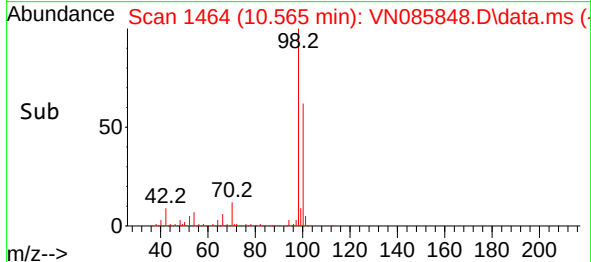
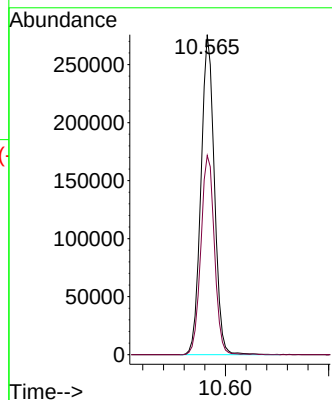
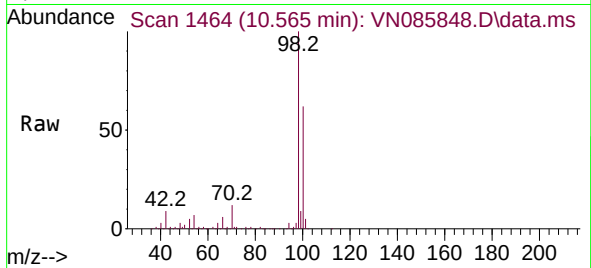




#50
Toluene-d8
Concen: 52.224 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

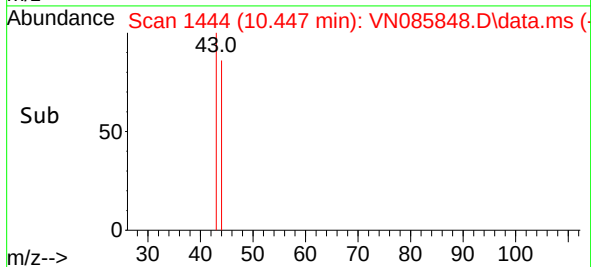
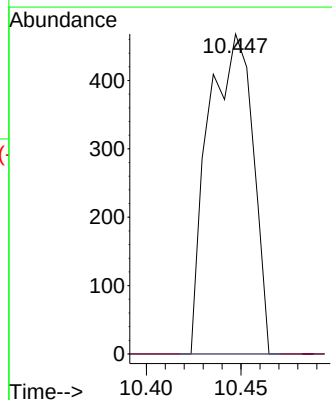
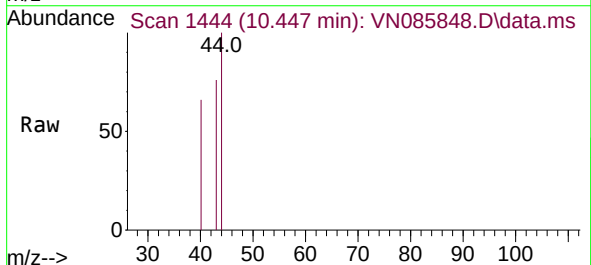
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

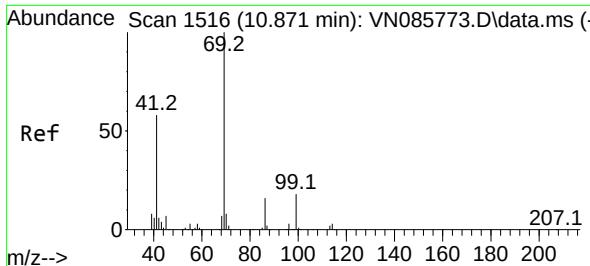
Tgt Ion: 98 Resp: 495454
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

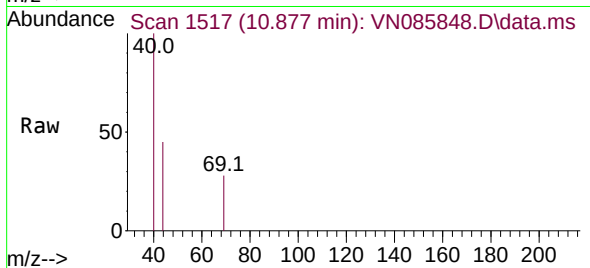
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
58 0.0 34.6 52.0#



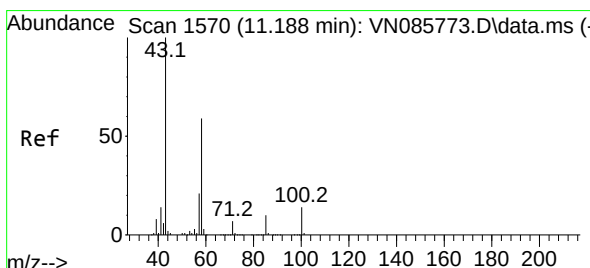
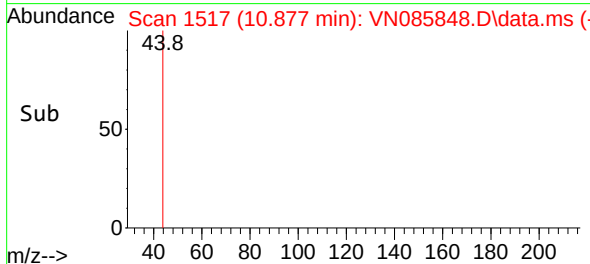
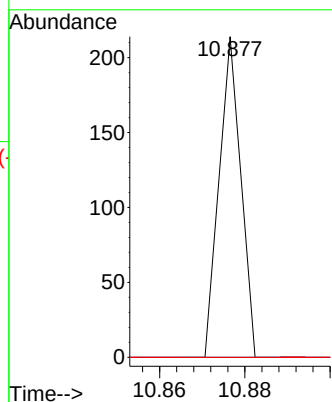


#56
Ethyl methacrylate
Concen: 0.481 ug/l
RT: 10.877 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

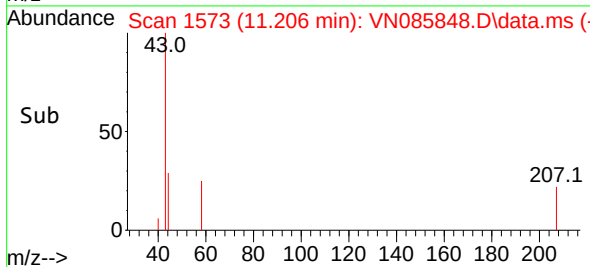
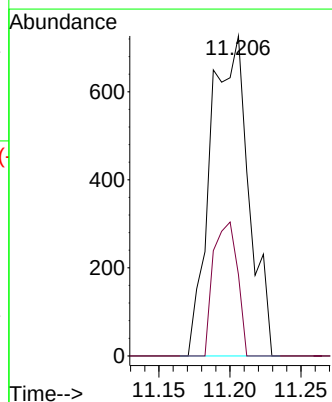
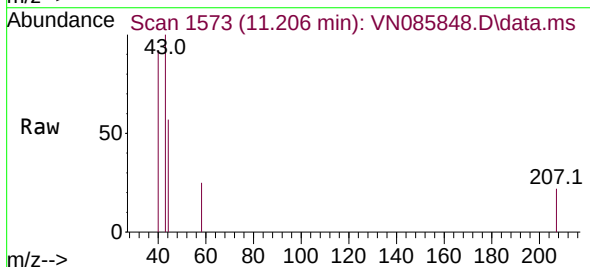


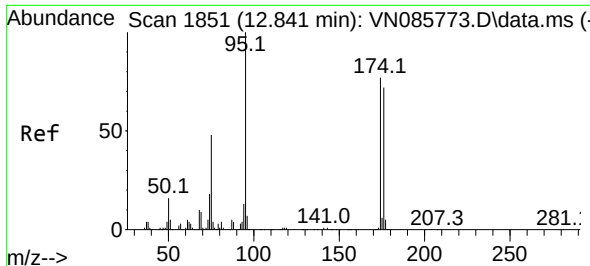
Tgt Ion: 69 Resp: 76
Ion Ratio Lower Upper
69 100
41 0.0 46.0 69.0#
39 0.0 22.0 33.0#



#59
2-Hexanone
Concen: 0.675 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.018 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
58 26.3 29.8 89.5#

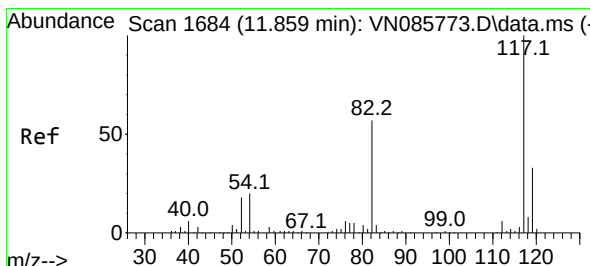
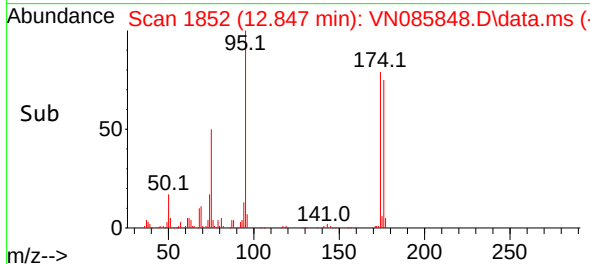
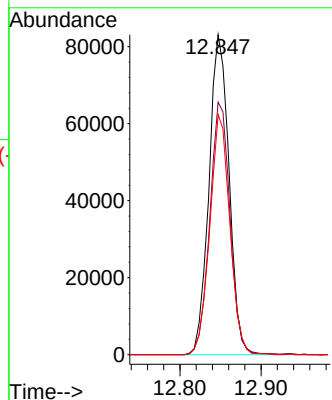
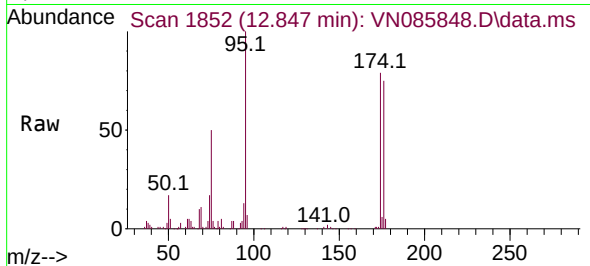




#62
4-Bromofluorobenzene
Concen: 45.563 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

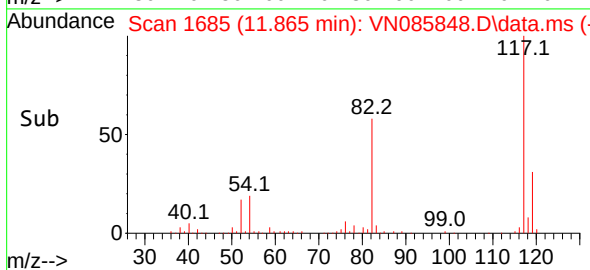
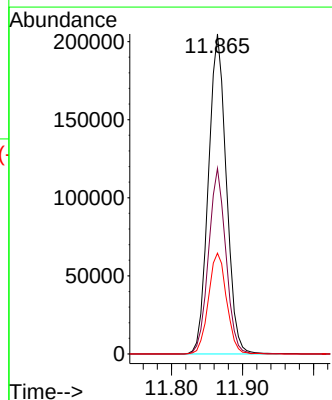
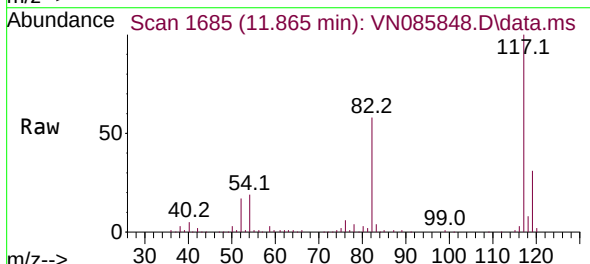
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

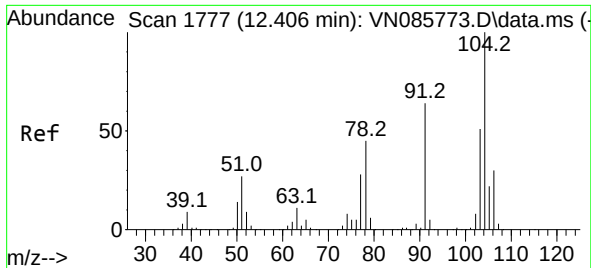
Tgt Ion: 95 Resp: 142420
Ion Ratio Lower Upper
95 100
174 79.6 0.0 152.4
176 74.8 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 117 Resp: 358977
Ion Ratio Lower Upper
117 100
82 58.0 45.7 68.5
119 31.5 26.2 39.2

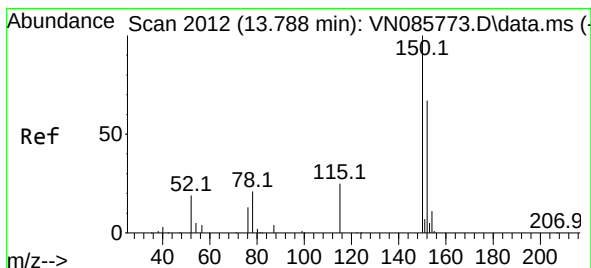
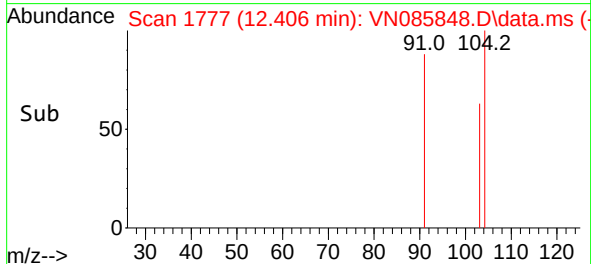
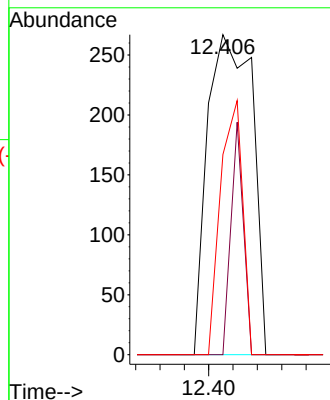
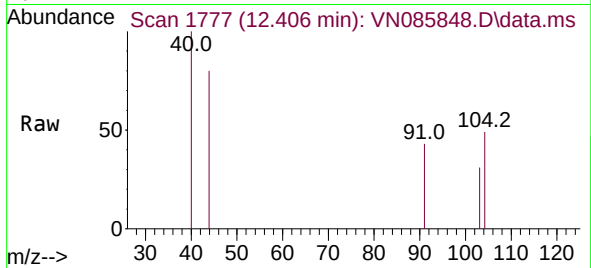




#70
Styrene
Concen: 0.627 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

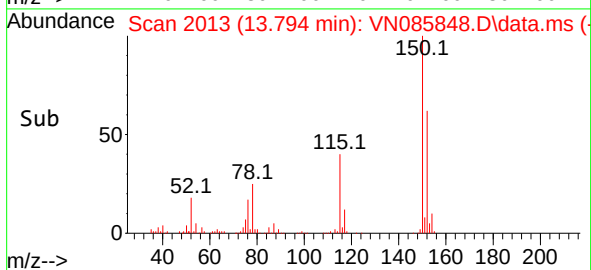
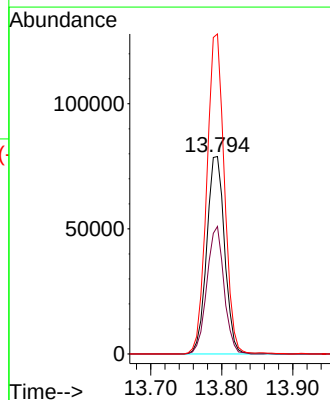
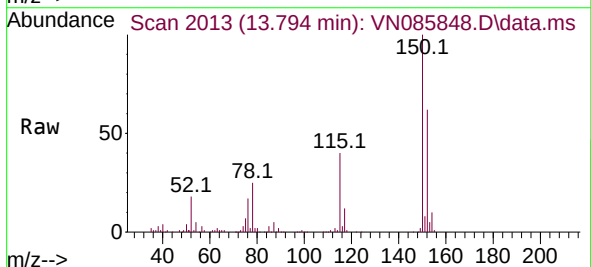
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

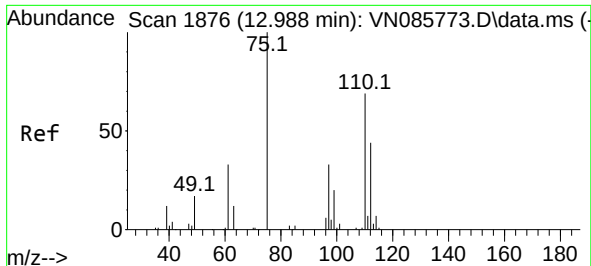
Tgt Ion:104 Resp: 340
Ion Ratio Lower Upper
104 100
78 20.0 39.0 58.6#
103 39.4 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion:152 Resp: 138211
Ion Ratio Lower Upper
152 100
115 62.0 30.4 91.3
150 159.1 0.0 345.4

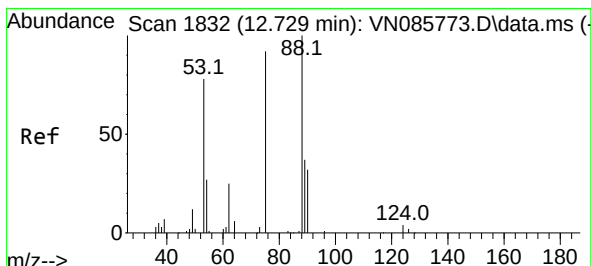
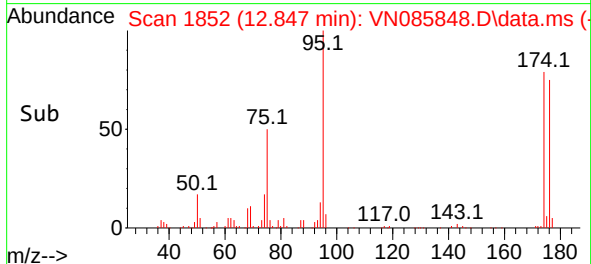
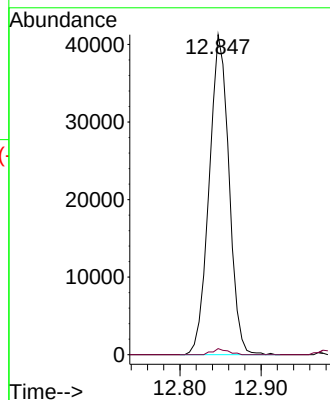
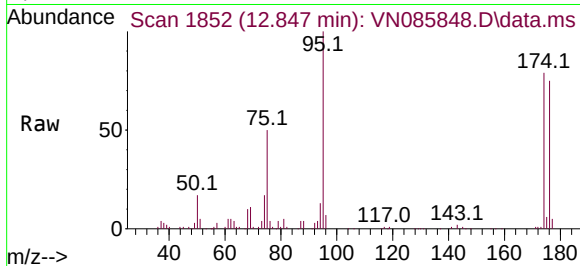




#76
1,2,3-Trichloropropane
Concen: 22.795 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

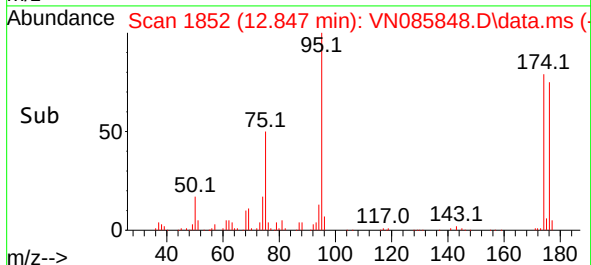
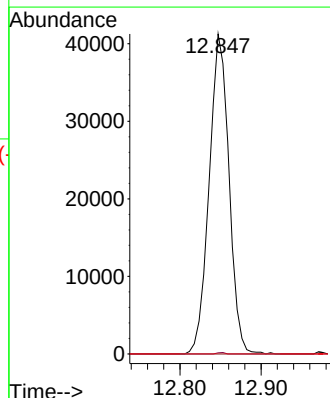
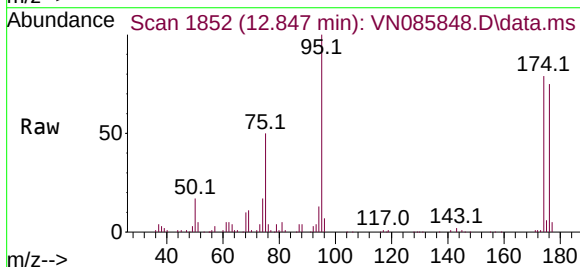
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

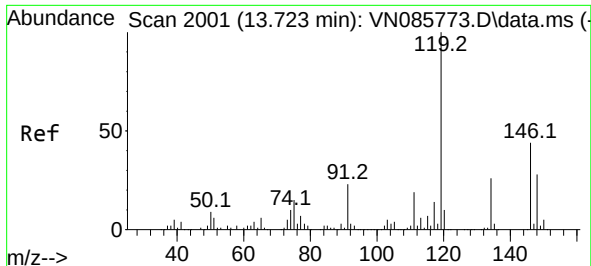
Tgt Ion: 75 Resp: 69984
Ion Ratio Lower Upper
75 100
77 1.5 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.511 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion: 75 Resp: 69984
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.9 52.3#





#86

p-Isopropyltoluene

Concen: 0.760 ug/l

RT: 13.729 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VN085848.D

Acq: 25 Feb 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0225MBL01

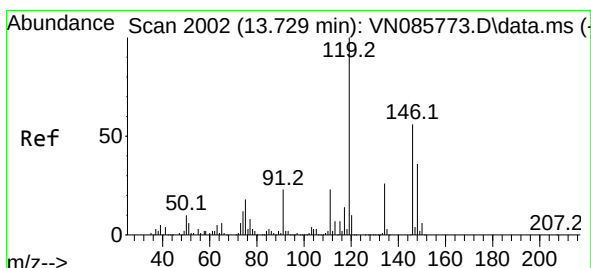
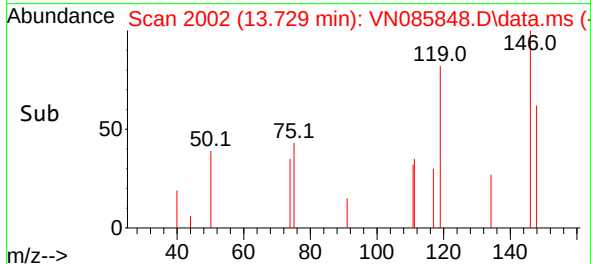
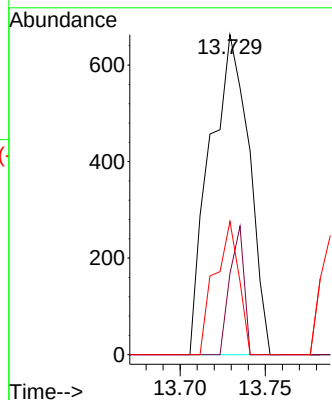
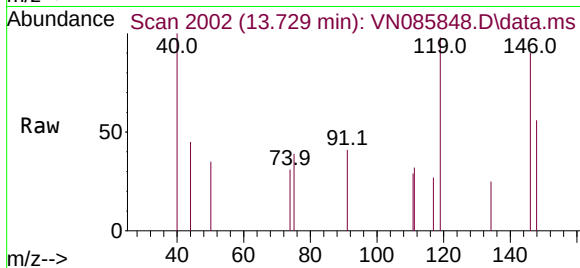
Tgt Ion:119 Resp: 1059

Ion Ratio Lower Upper

119 100

134 14.4 13.0 39.0

91 25.4 11.7 35.1



#87

1,3-Dichlorobenzene

Concen: 0.261 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN085848.D

Acq: 25 Feb 2025 11:19

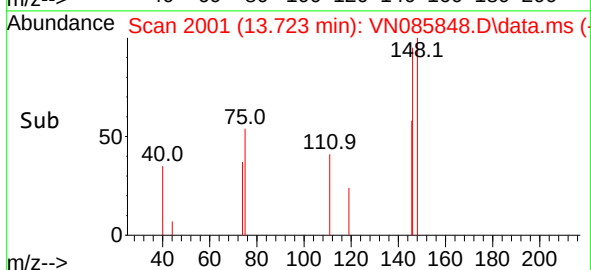
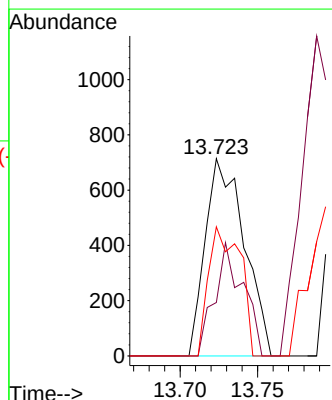
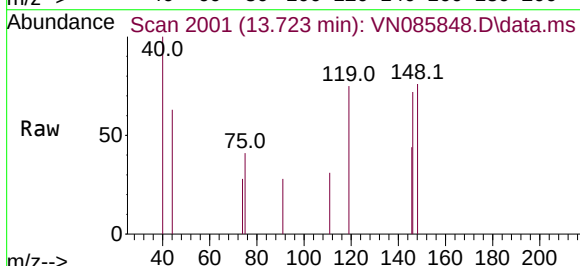
Tgt Ion:146 Resp: 1249

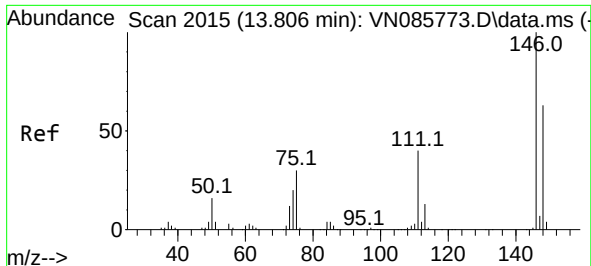
Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.3

148 53.1 32.1 96.5

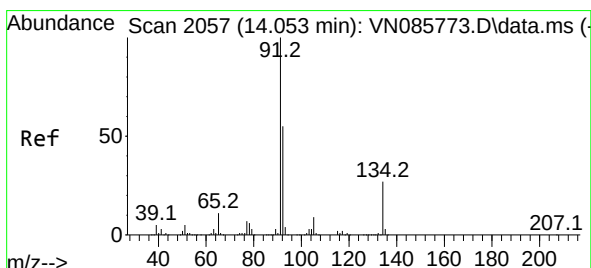
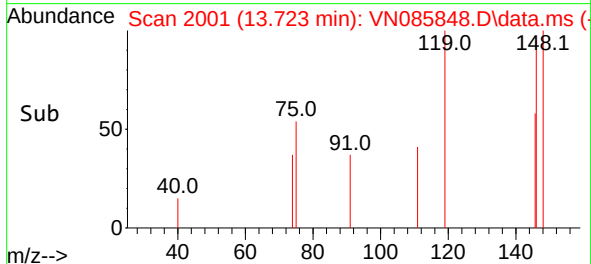
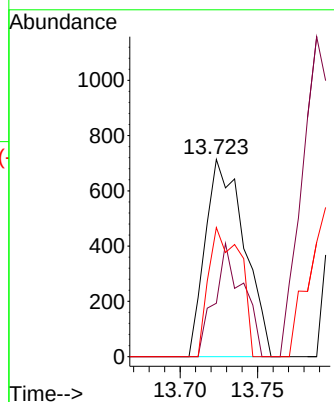
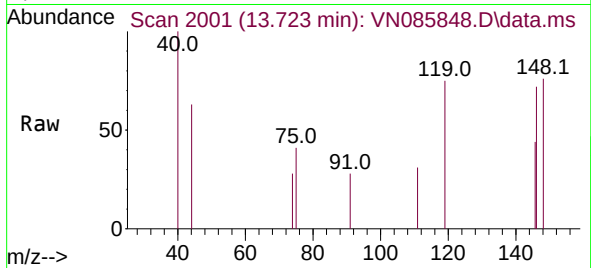




#88
 1,4-Dichlorobenzene
 Concen: 0.254 ug/l
 RT: 13.723 min Scan# 2015
 Delta R.T. -0.082 min
 Lab File: VN085848.D
 Acq: 25 Feb 2025 11:19

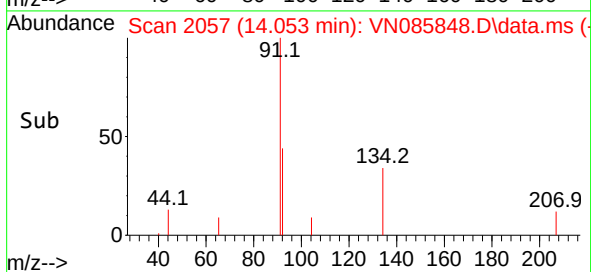
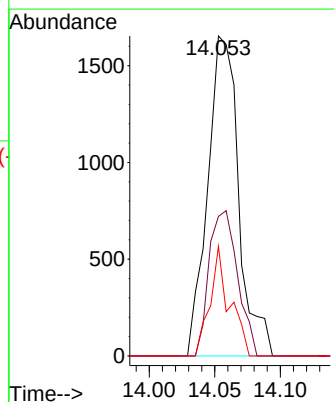
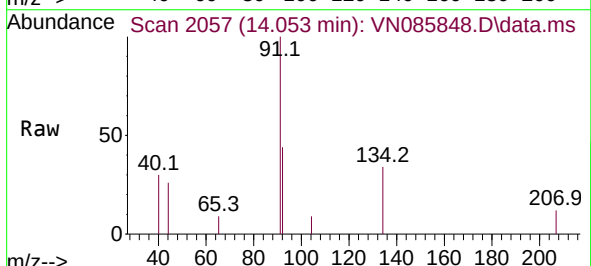
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

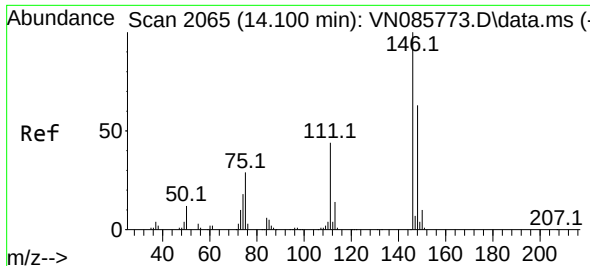
Tgt Ion:146 Resp: 1249
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.4 61.3
 148 53.1 31.8 95.4



#89
 n-Butylbenzene
 Concen: 0.419 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VN085848.D
 Acq: 25 Feb 2025 11:19

Tgt Ion: 91 Resp: 2724
 Ion Ratio Lower Upper
 91 100
 92 41.7 27.1 81.3
 134 21.7 12.7 38.1

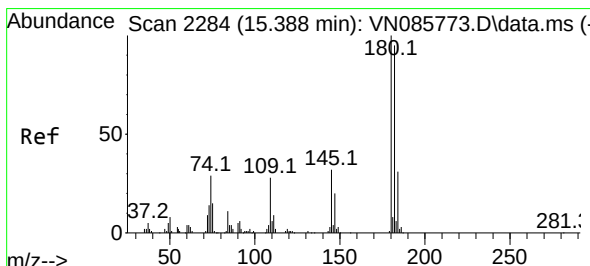
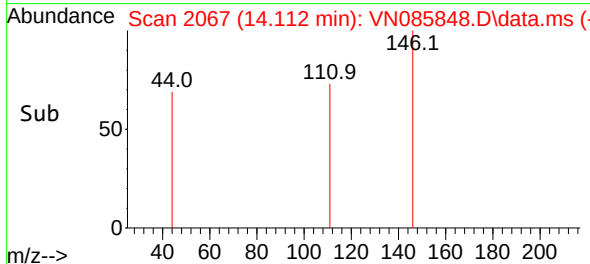
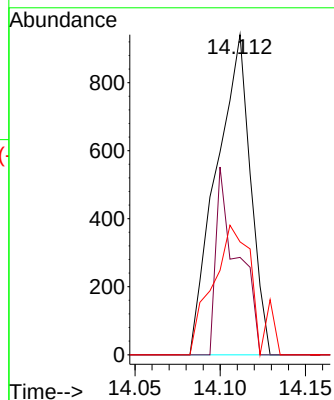
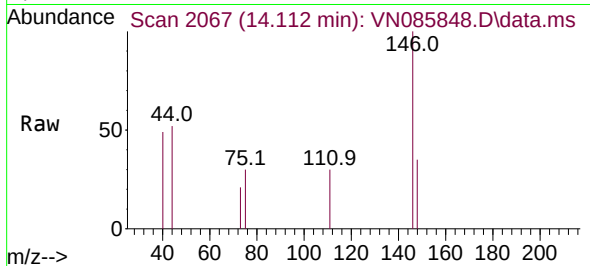




#91
1,2-Dichlorobenzene
Concen: 0.283 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.012 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

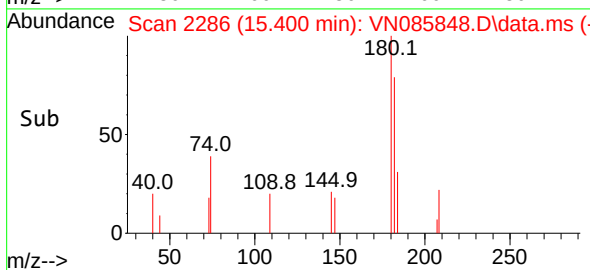
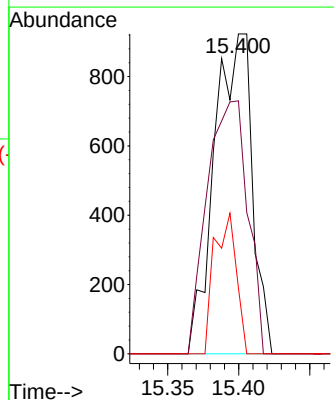
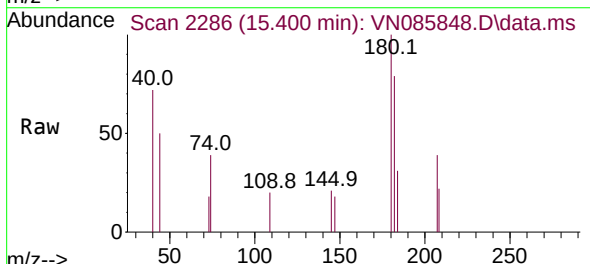
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

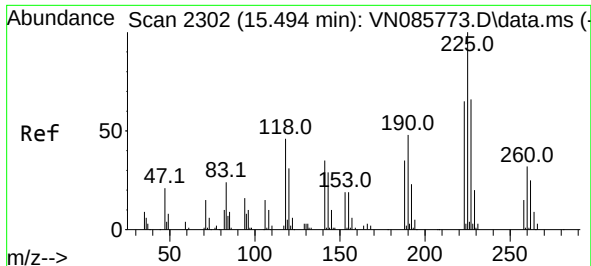
Tgt Ion:146 Resp: 1305
Ion Ratio Lower Upper
146 100
111 37.2 21.4 64.3
148 48.0 32.0 96.2



#93
1,2,4-Trichlorobenzene
Concen: 0.781 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion:180 Resp: 1715
Ion Ratio Lower Upper
180 100
182 84.7 47.3 141.9
145 25.4 16.2 48.5

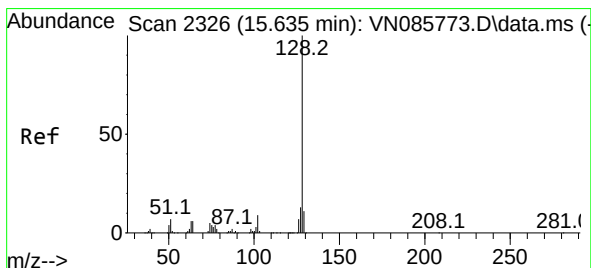
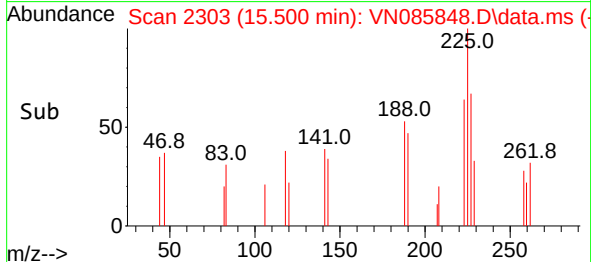
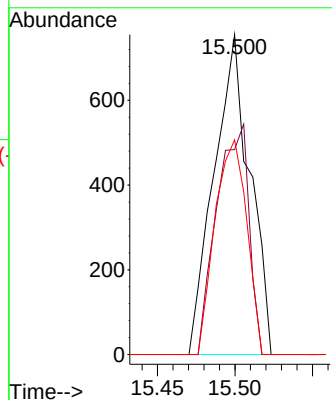
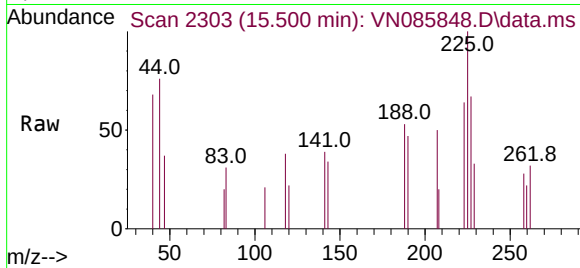




#94
Hexachlorobutadiene
Concen: 0.910 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

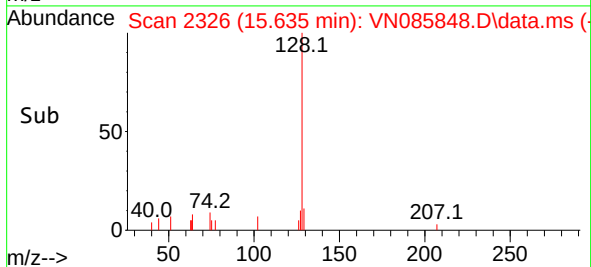
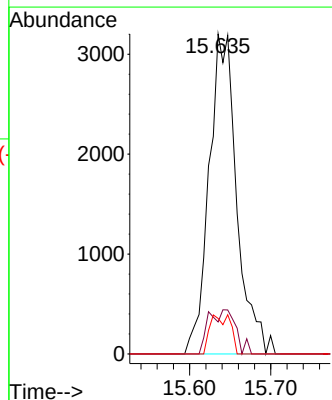
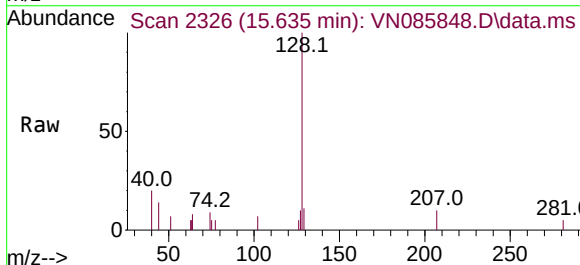
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

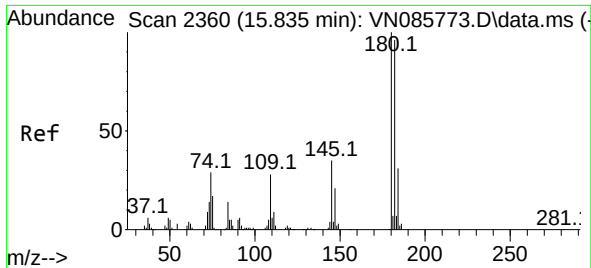
Tgt Ion:225 Resp: 1214
Ion Ratio Lower Upper
225 100
223 64.5 31.9 95.5
227 59.5 32.2 96.6



#95
Naphthalene
Concen: 1.263 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085848.D
Acq: 25 Feb 2025 11:19

Tgt Ion:128 Resp: 7616
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 9.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.969 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085848.D
 Acq: 25 Feb 2025 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Tgt Ion:180 Resp: 2137
 Ion Ratio Lower Upper
 180 100
 182 86.2 47.3 141.8
 145 27.7 16.9 50.6

