

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
 Data File : VN085448.D
 Acq On : 15 Jan 2025 09:41
 Operator : JC\MD
 Sample : VN0115MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115MBL01

Quant Time: Jan 16 00:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

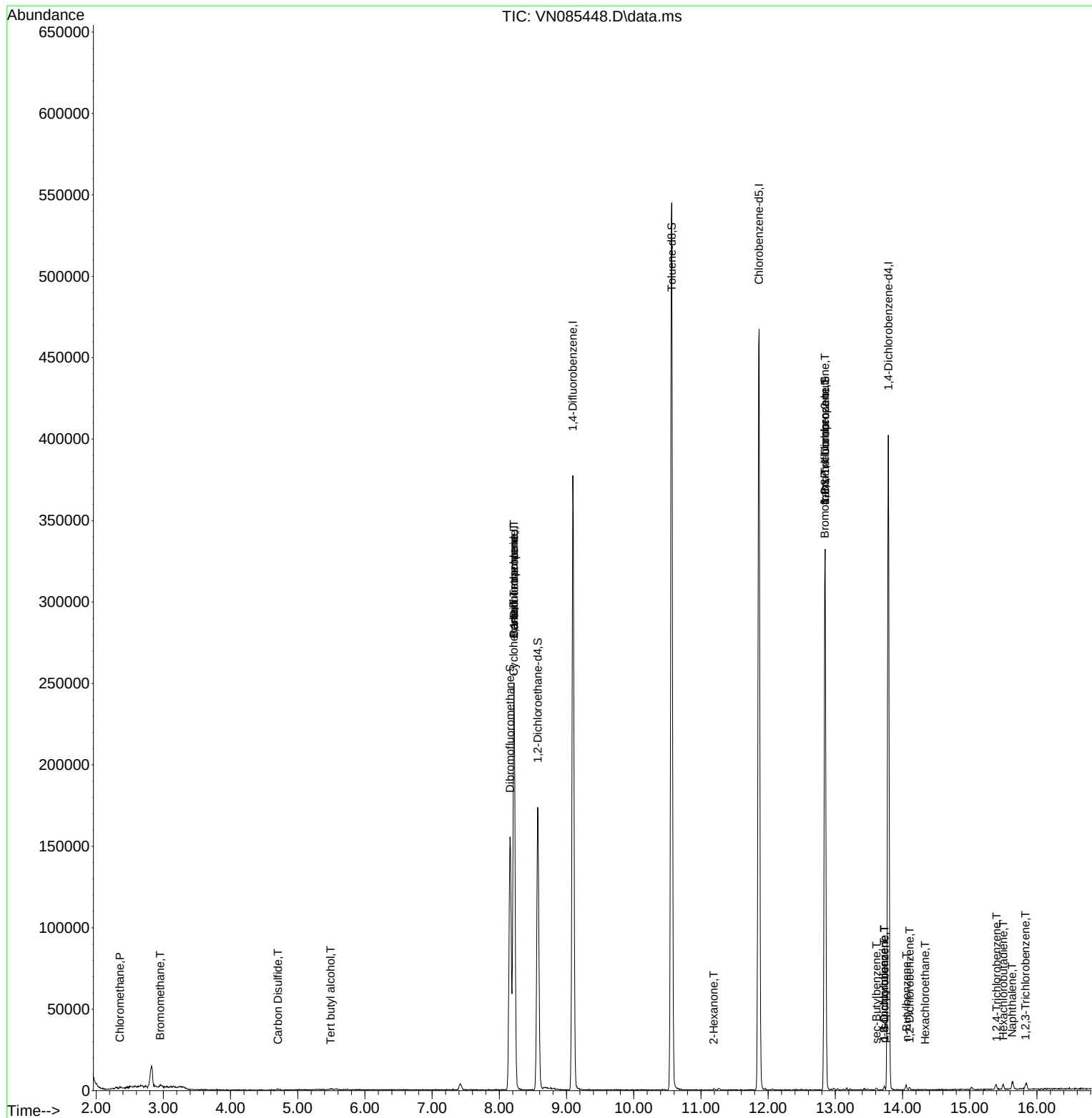
Internal Standards						
1) Pentafluorobenzene	8.218	168	165737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	144599	54.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.100%			
35) Dibromofluoromethane	8.159	113	107997	51.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	10.565	98	367847	49.711	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.847	95	113405	44.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.600%			
Target Compounds						Qvalue
3) Chloromethane	2.354	50	704	0.290	ug/l #	41
5) Bromomethane	2.954	94	1302	0.883	ug/l #	62
11) Tert butyl alcohol	5.489	59	193	0.630	ug/l #	71
17) Carbon Disulfide	4.706	76	1704	0.311	ug/l #	76
31) Cyclohexane	8.212	56	4656	1.371	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15688	5.367	ug/l #	51
38) Carbon Tetrachloride	8.218	117	19302	5.768	ug/l #	16
59) 2-Hexanone	11.188	43	755	0.391	ug/l #	51
71) Bromoform	12.841	173	740	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62389	29.643	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62389	80.202	ug/l #	3
85) sec-Butylbenzene	13.612	105	1517	0.226	ug/l #	68
86) p-Isopropyltoluene	13.723	119	1098	0.230	ug/l #	76
87) 1,3-Dichlorobenzene	13.729	146	888	0.264	ug/l	72
88) 1,4-Dichlorobenzene	13.729	146	888	0.255	ug/l	72
89) n-Butylbenzene	14.059	91	2217	0.460	ug/l	92
90) Hexachloroethane	14.335	117	258	0.202	ug/l #	16
91) 1,2-Dichlorobenzene	14.106	146	758	0.226	ug/l	77
93) 1,2,4-Trichlorobenzene	15.400	180	1640	1.052	ug/l	88
94) Hexachlorobutadiene	15.500	225	793	0.958	ug/l	86
95) Naphthalene	15.629	128	6177	1.328	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.829	180	1859	1.179	ug/l #	79

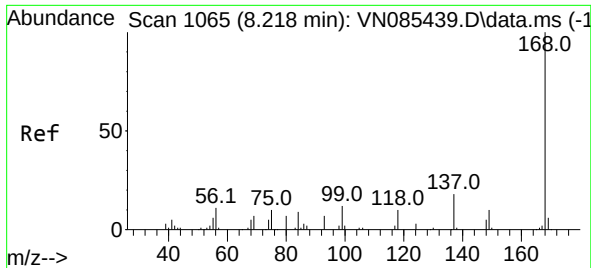
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0115MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Jan 16 00:52:37 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

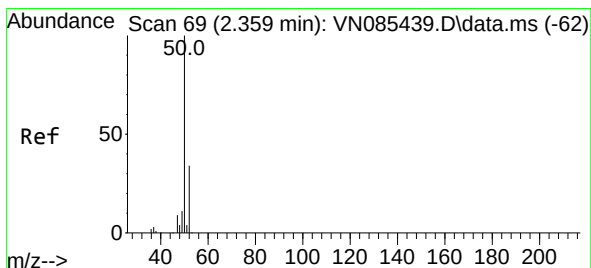
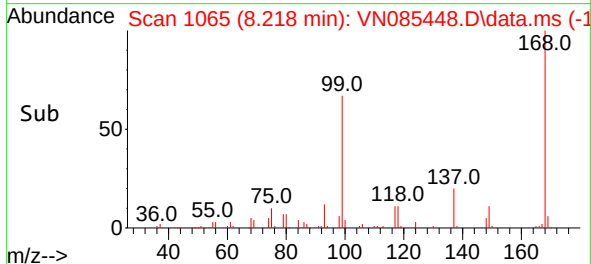
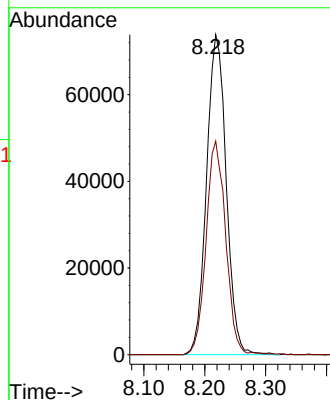
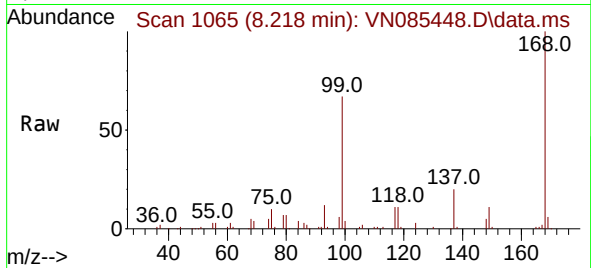




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

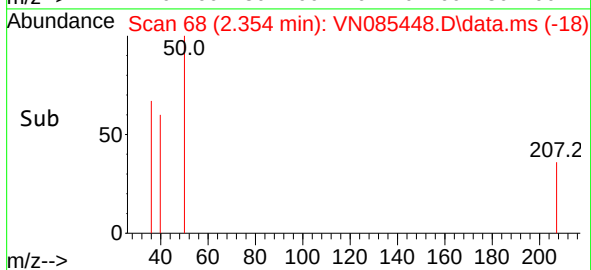
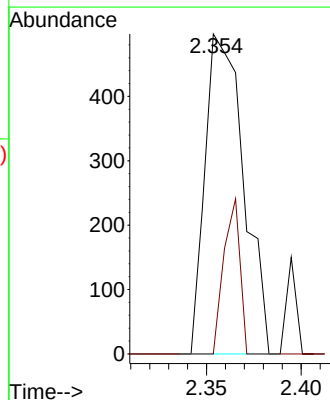
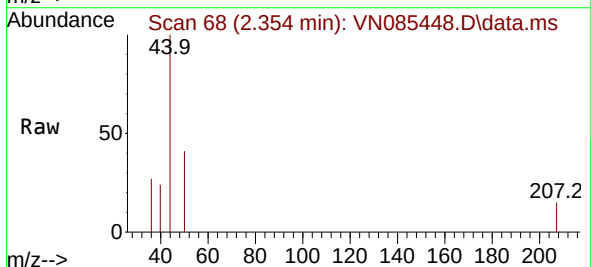
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

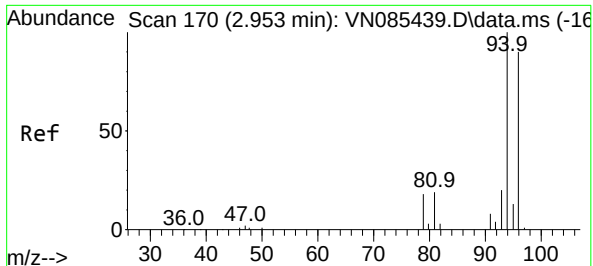
Tgt Ion:168 Resp: 165737
Ion Ratio Lower Upper
168 100
99 66.7 53.6 80.4



#3
Chloromethane
Concen: 0.290 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 50 Resp: 704
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

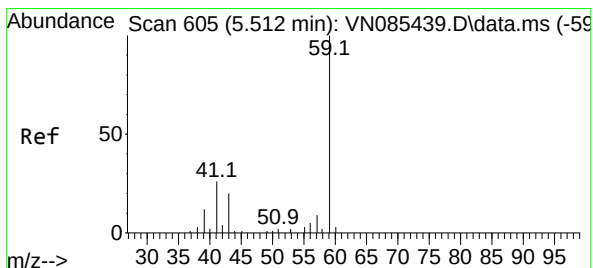
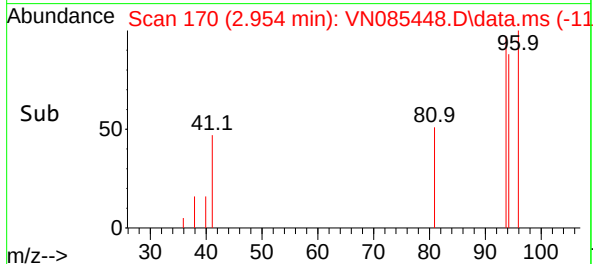
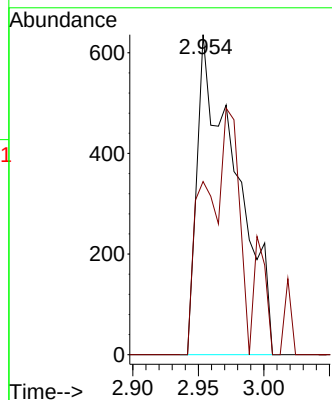
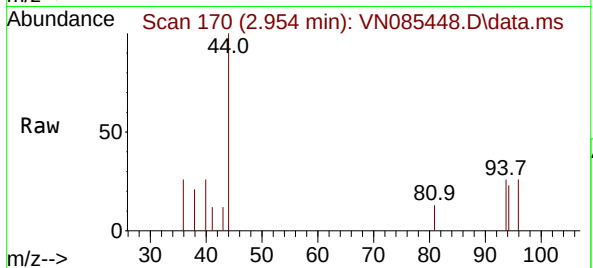




#5
Bromomethane
Concen: 0.883 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

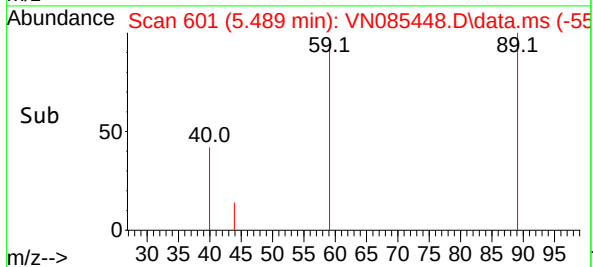
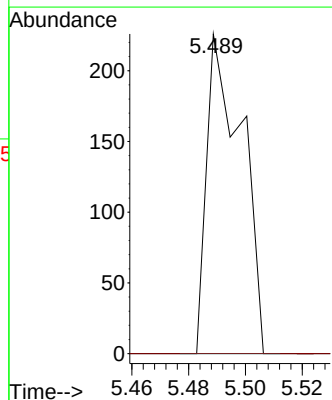
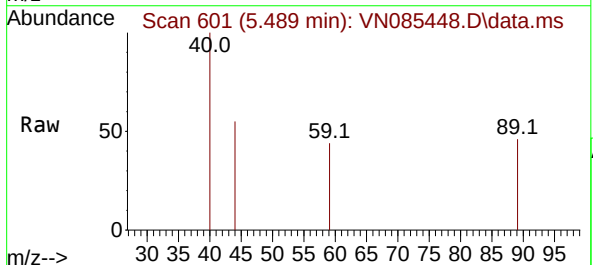
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

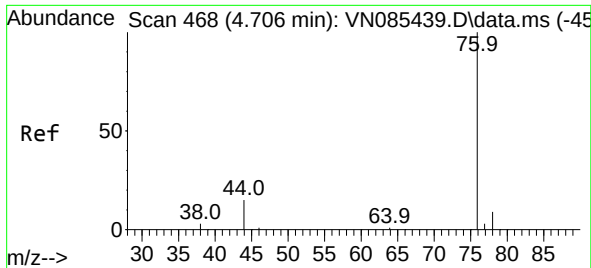
Tgt Ion: 94 Resp: 1302
Ion Ratio Lower Upper
94 100
96 54.1 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.630 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.023 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

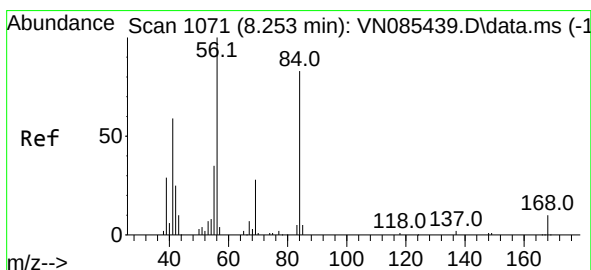
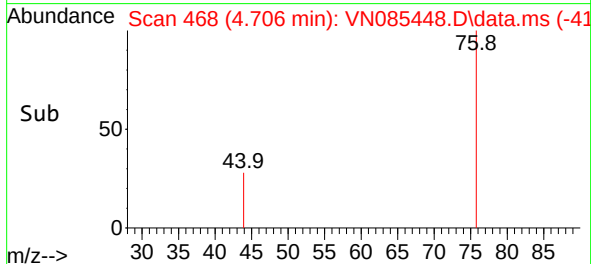
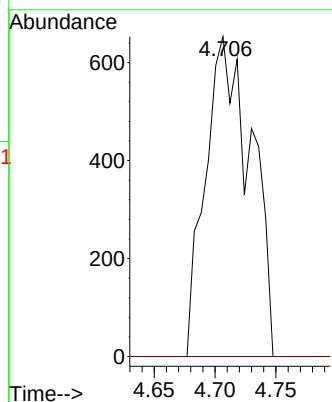
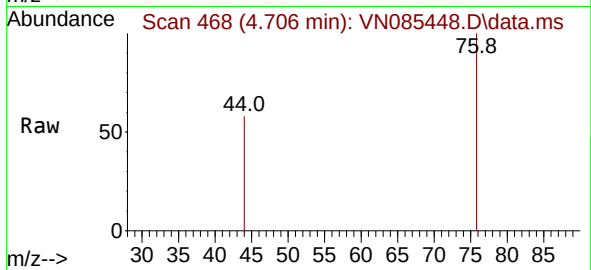




#17
Carbon Disulfide
Concen: 0.311 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

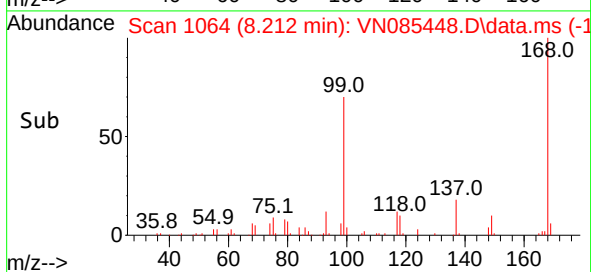
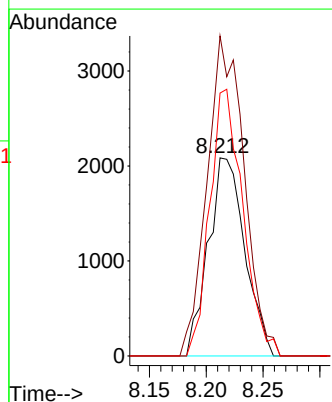
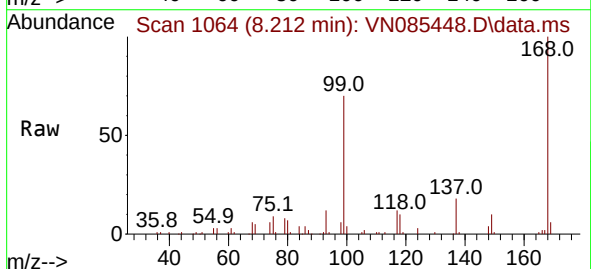
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

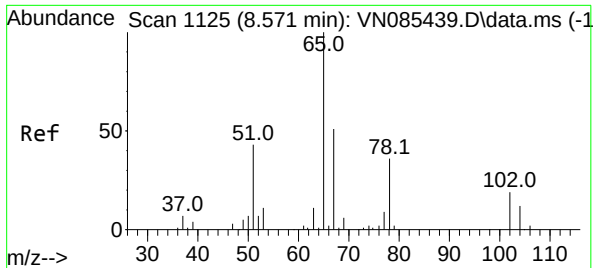
Tgt Ion: 76 Resp: 1704
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#31
Cyclohexane
Concen: 1.371 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 56 Resp: 4656
Ion Ratio Lower Upper
56 100
69 161.5 22.2 33.4#
84 132.7 66.4 99.6#

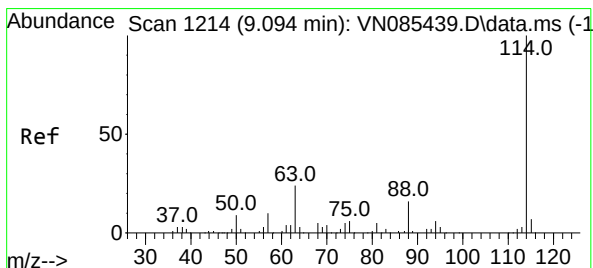
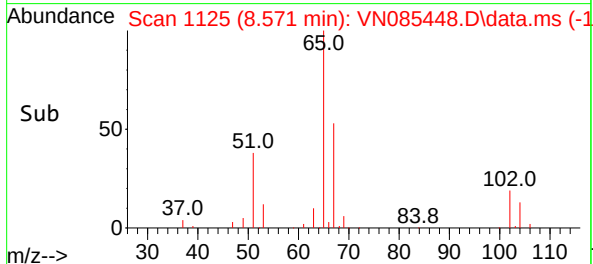
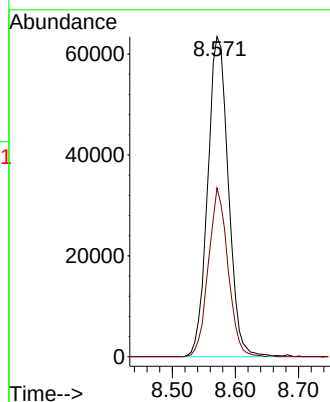
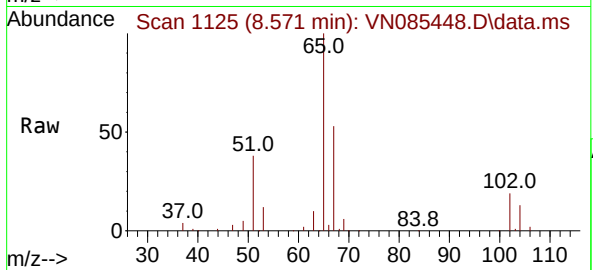




#33
1,2-Dichloroethane-d4
Concen: 54.049 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

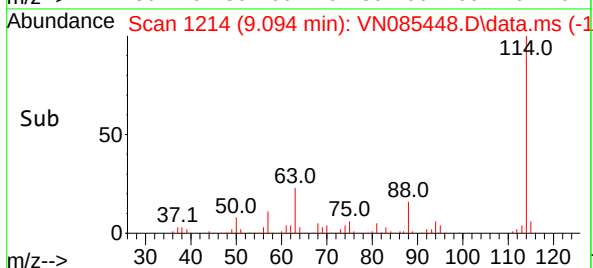
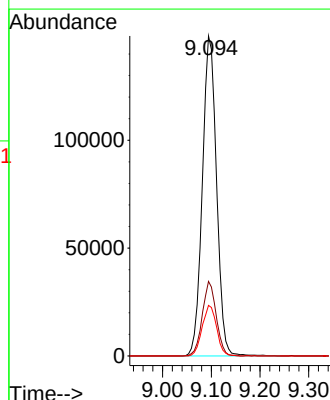
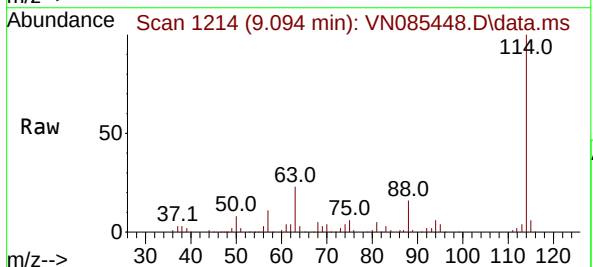
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

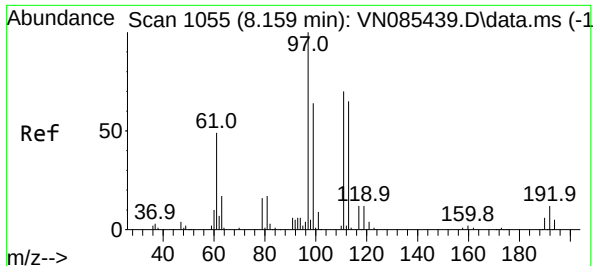
Tgt Ion: 65 Resp: 144599
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 114 Resp: 300203
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.6
88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.855 ug/l

RT: 8.159 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VN085448.D

Acq: 15 Jan 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VN0115MBL01

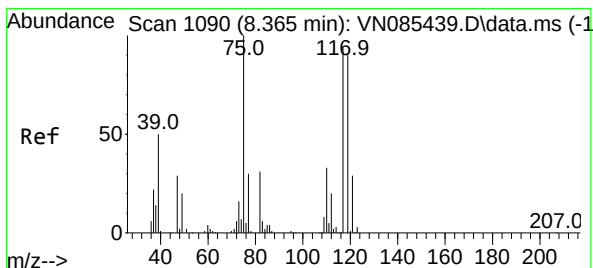
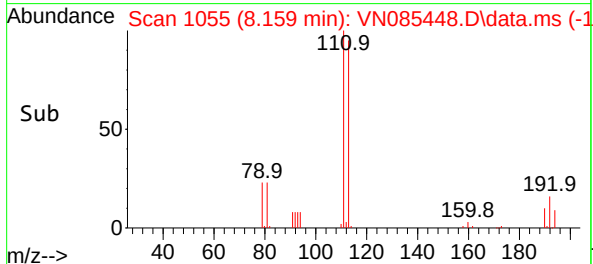
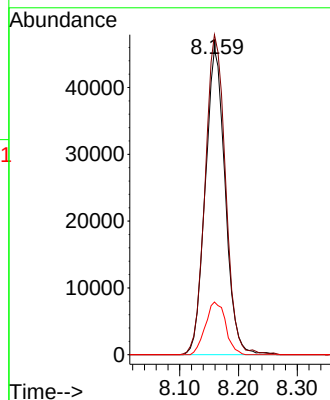
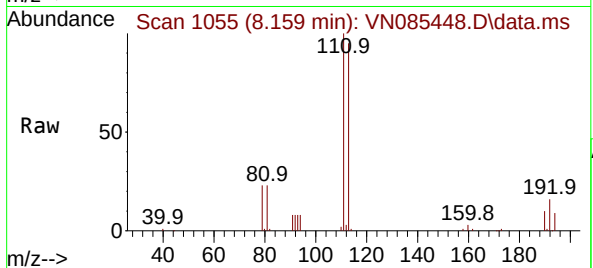
Tgt Ion:113 Resp: 107997

Ion Ratio Lower Upper

113 100

111 106.5 82.7 124.1

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.367 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085448.D

Acq: 15 Jan 2025 09:41

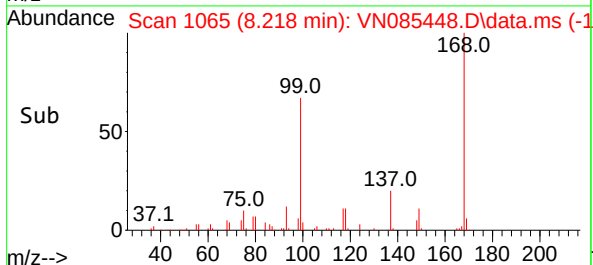
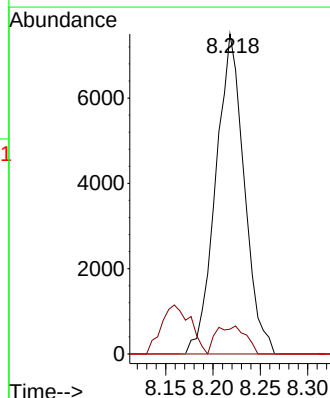
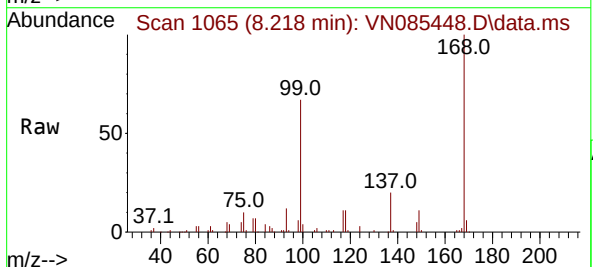
Tgt Ion: 75 Resp: 15688

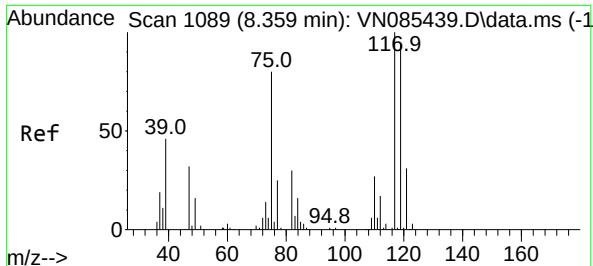
Ion Ratio Lower Upper

75 100

110 9.1 16.5 49.5#

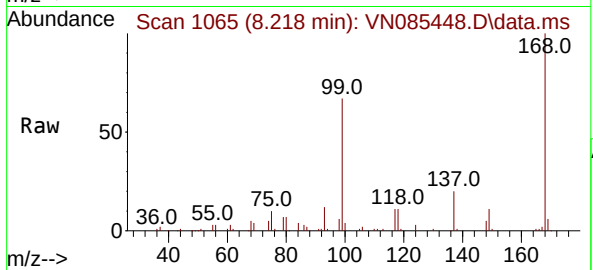
77 0.0 24.4 36.6#



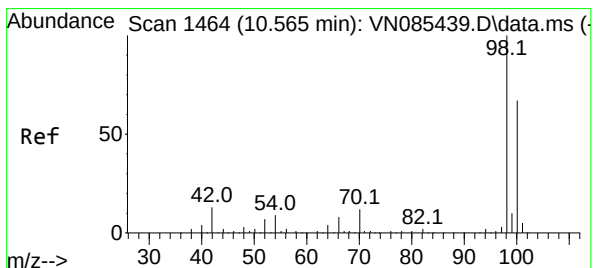
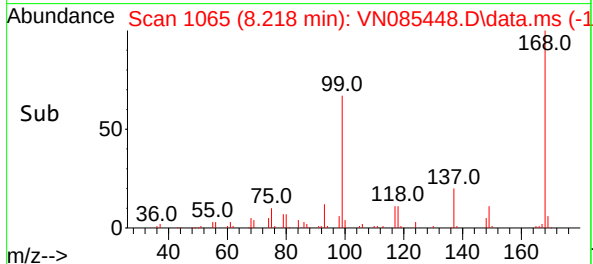
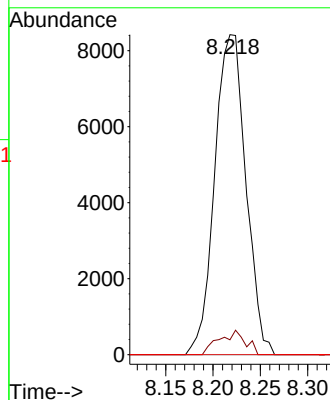


#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

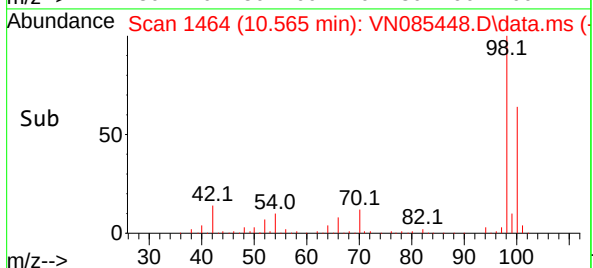
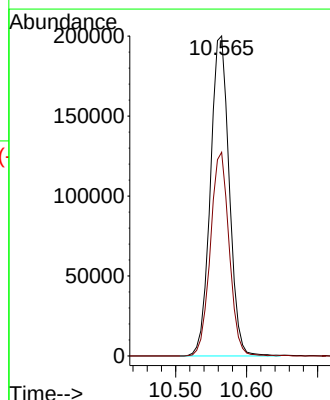
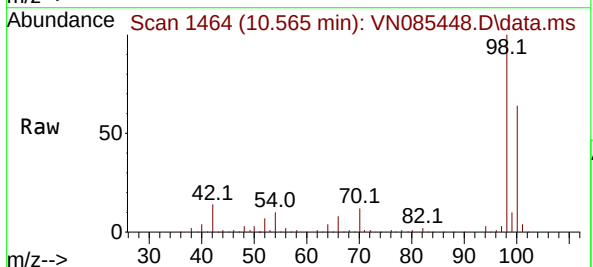


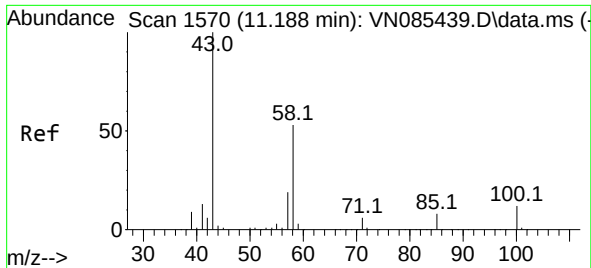
Tgt Ion:117 Resp: 19302
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.711 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 98 Resp: 367847
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4

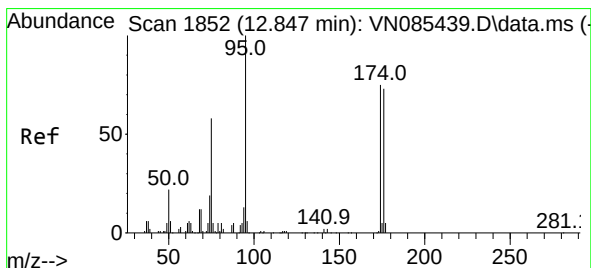
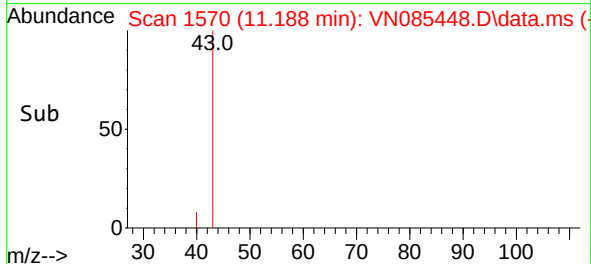
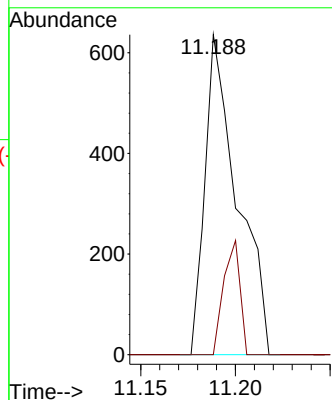
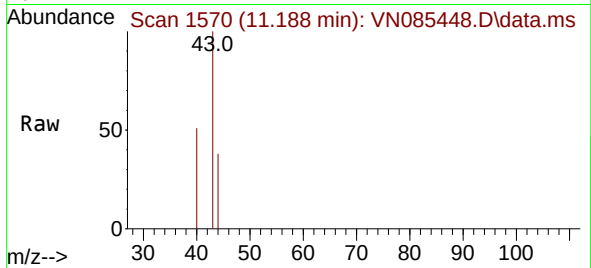




#59
2-Hexanone
Concen: 0.391 ug/l
RT: 11.188 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

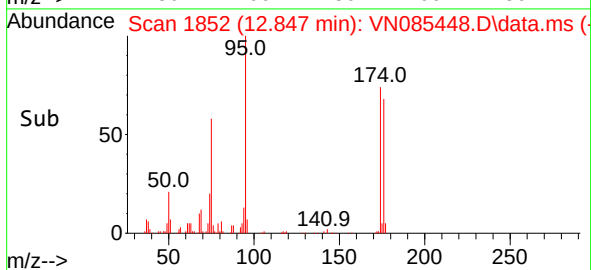
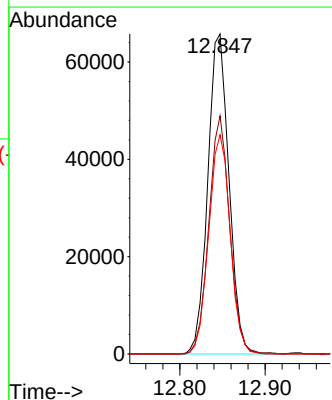
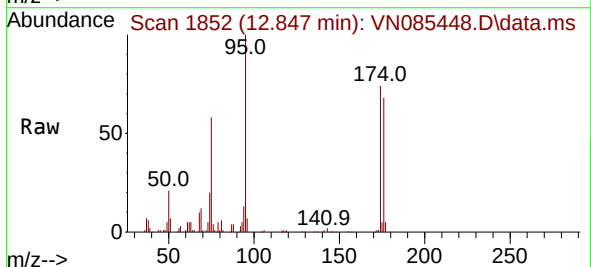
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

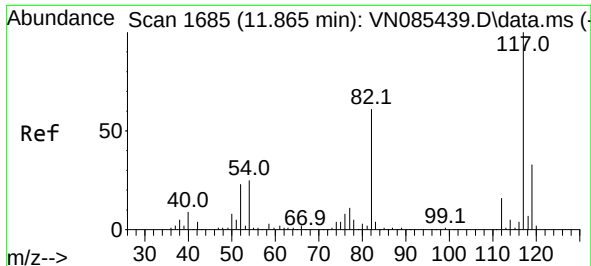
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
58 18.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.802 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 95 Resp: 113405
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.0
176 69.4 0.0 142.4

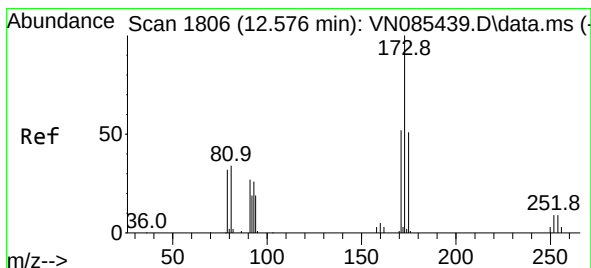
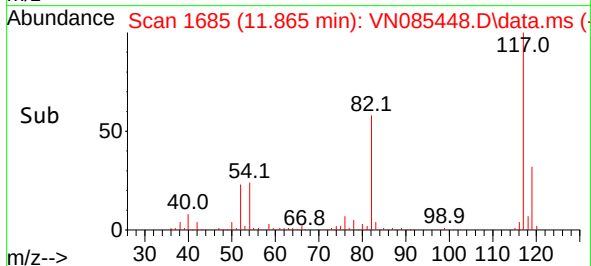
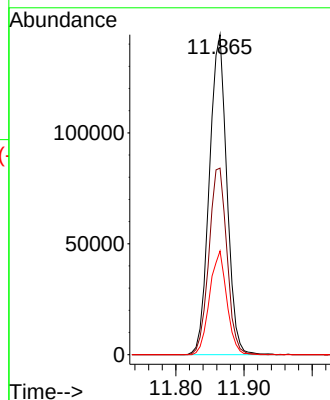
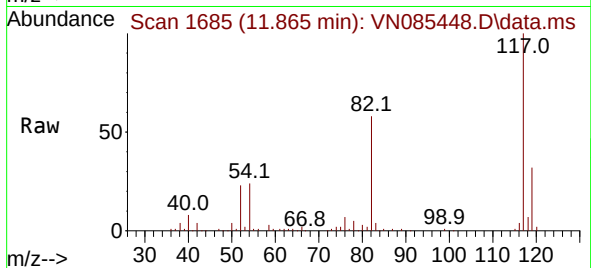




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

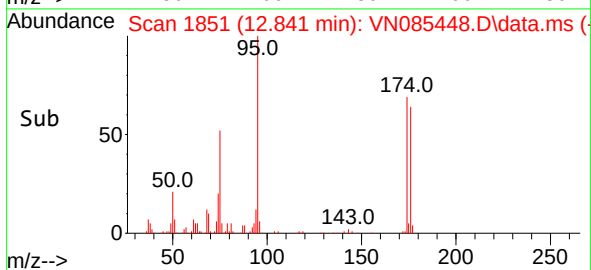
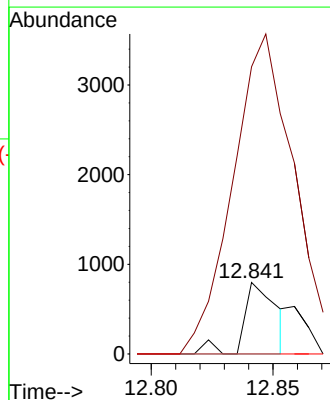
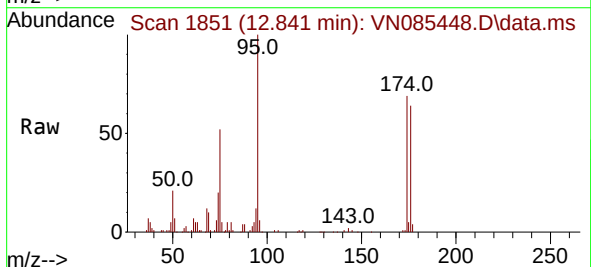
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

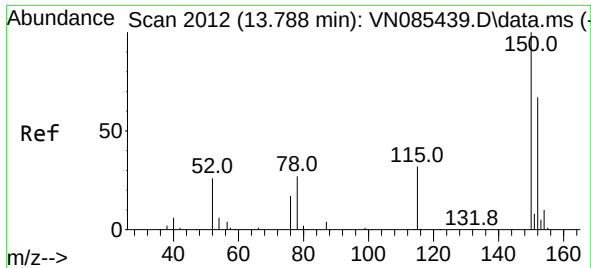
Tgt Ion:117 Resp: 257542
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 32.4 26.6 39.8



#71
Bromoform
Concen: 0.499 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion:173 Resp: 740
Ion Ratio Lower Upper
173 100
175 656.8 24.4 73.2#
254 0.0 0.0 0.0

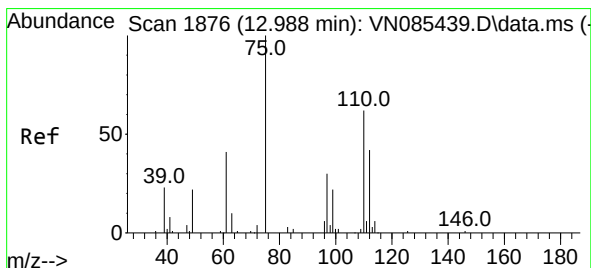
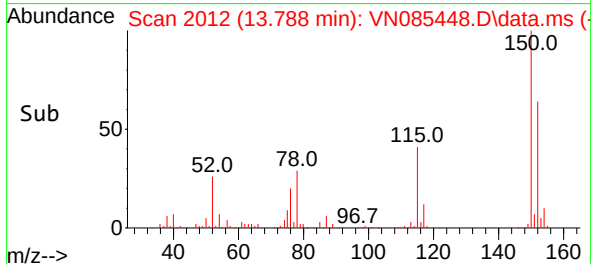
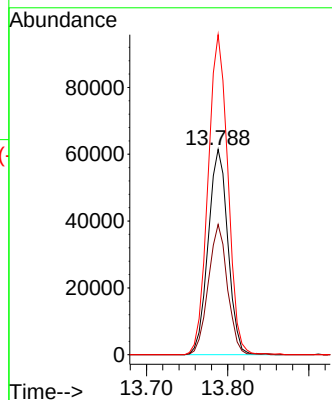
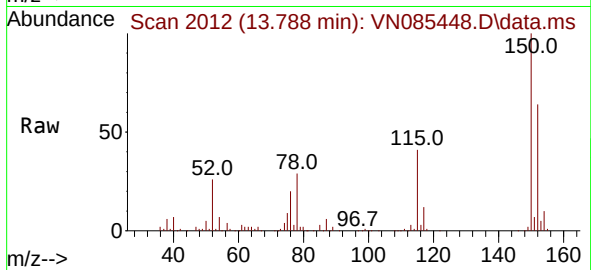




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

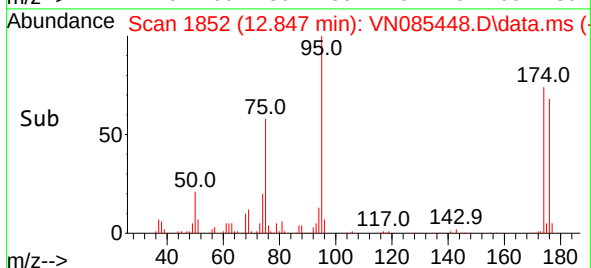
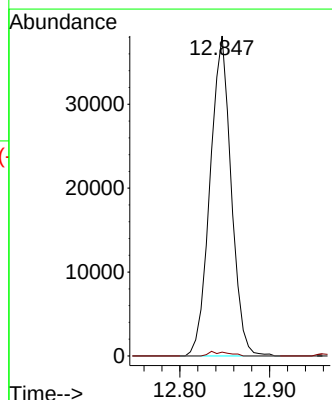
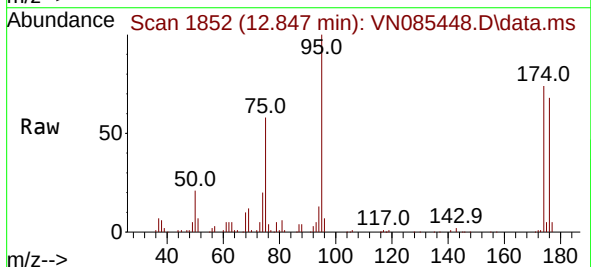
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

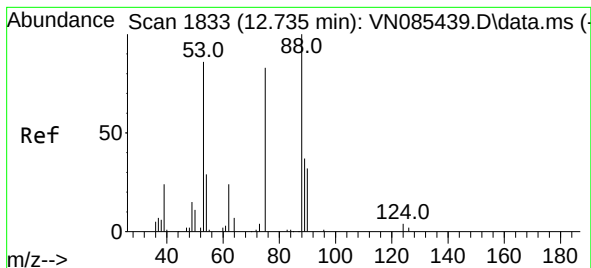
Tgt Ion:152 Resp: 103549
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 156.7 0.0 343.6



#76
1,2,3-Trichloropropane
Concen: 29.643 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 75 Resp: 62389
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#

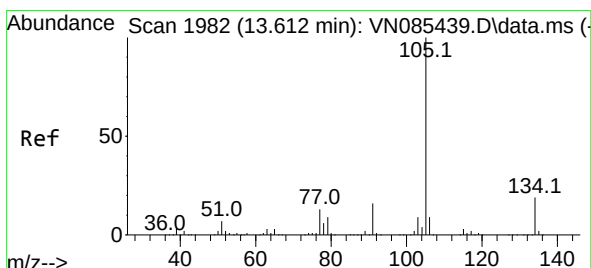
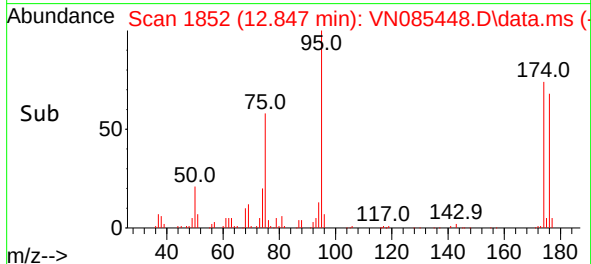
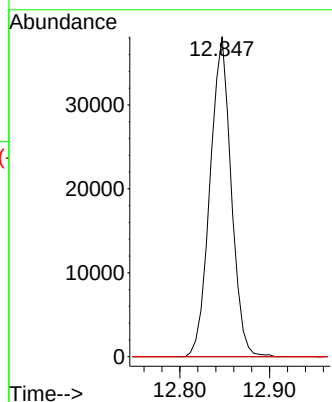
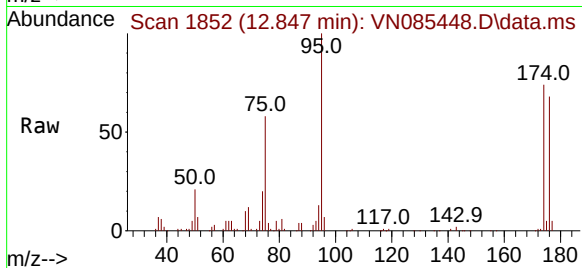




#81
trans-1,4-Dichloro-2-butene
Concen: 80.202 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

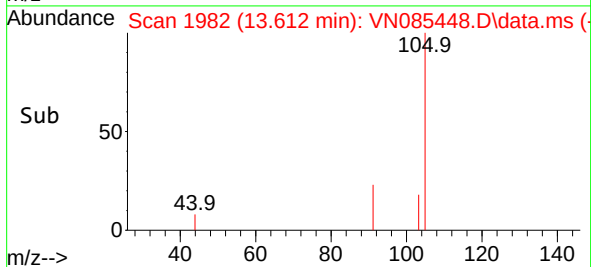
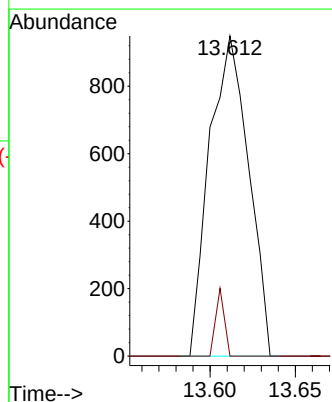
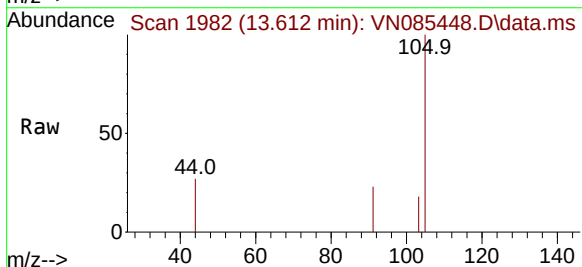
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

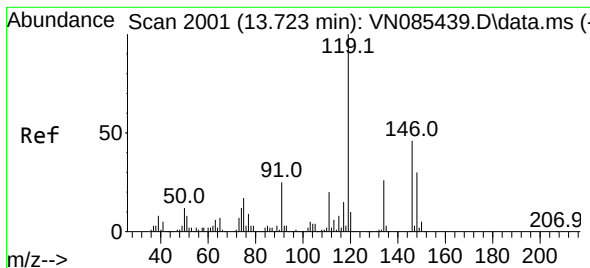
Tgt Ion: 75 Resp: 62389
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#85
sec-Butylbenzene
Concen: 0.226 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 105 Resp: 1517
Ion Ratio Lower Upper
105 100
134 4.7 9.7 28.9#

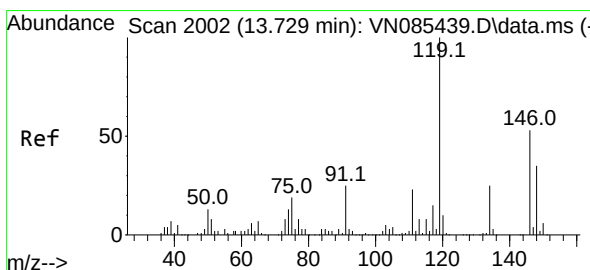
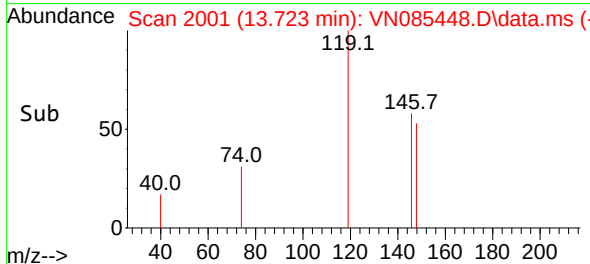
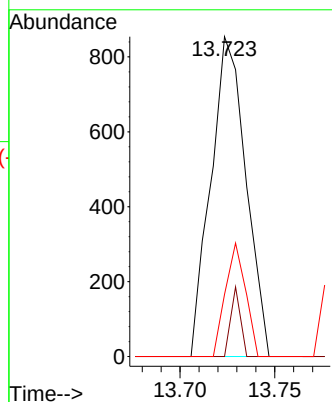
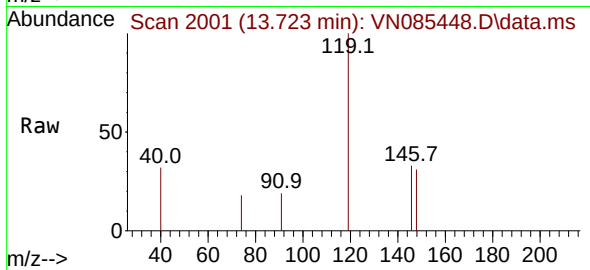




#86
p-Isopropyltoluene
Concen: 0.230 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

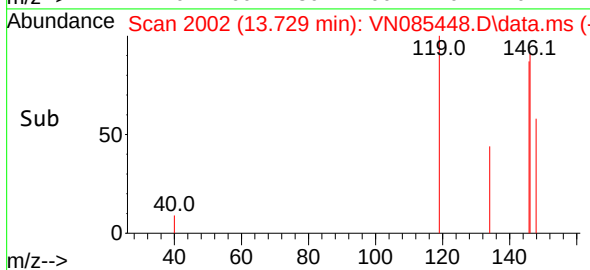
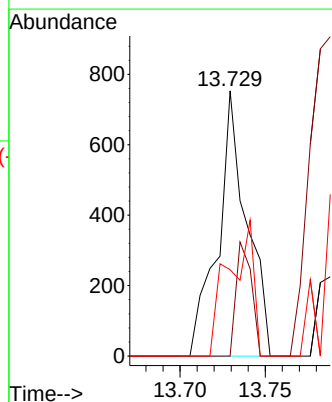
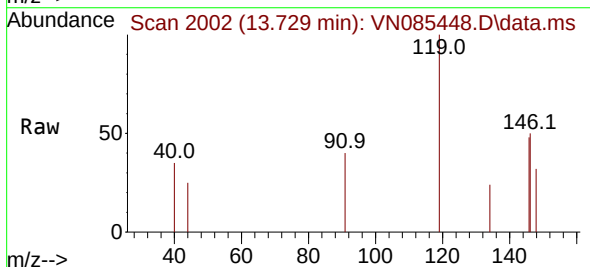
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

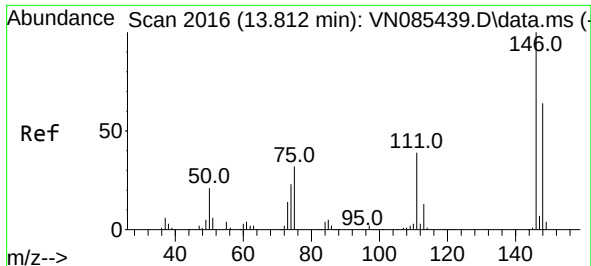
Tgt Ion:119 Resp: 1098
Ion Ratio Lower Upper
119 100
134 6.0 12.7 38.0#
91 20.3 12.7 38.1



#87
1,3-Dichlorobenzene
Concen: 0.264 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion:146 Resp: 888
Ion Ratio Lower Upper
146 100
111 22.7 21.4 64.3
148 44.0 32.3 96.9

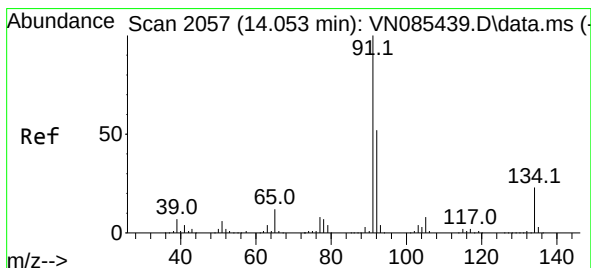
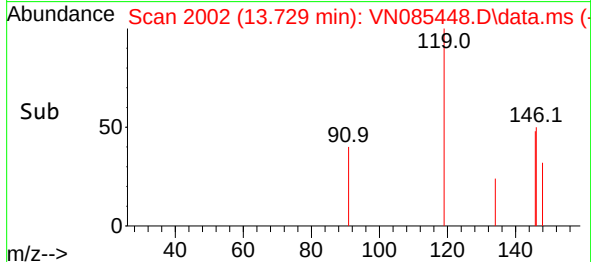
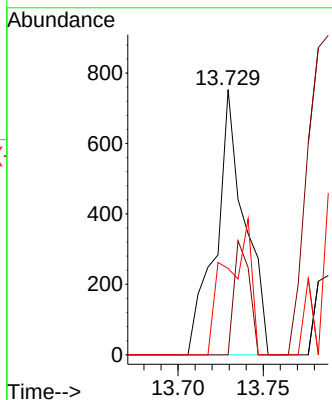
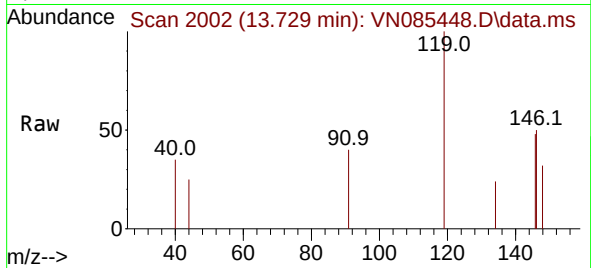




#88
1,4-Dichlorobenzene
Concen: 0.255 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

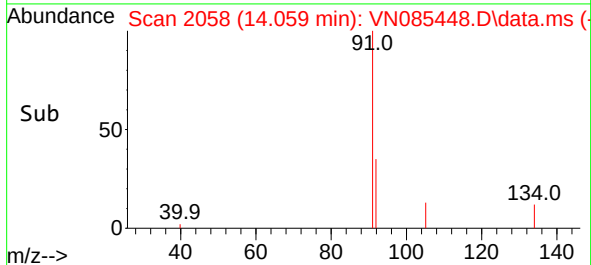
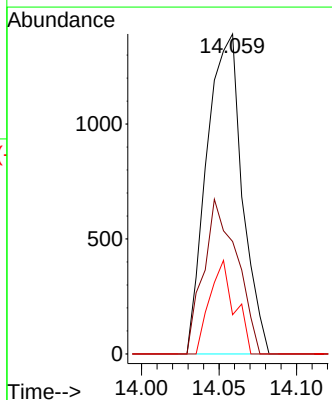
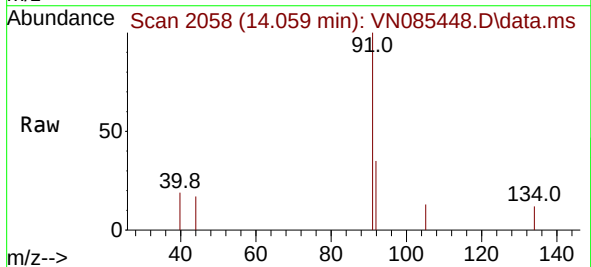
Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

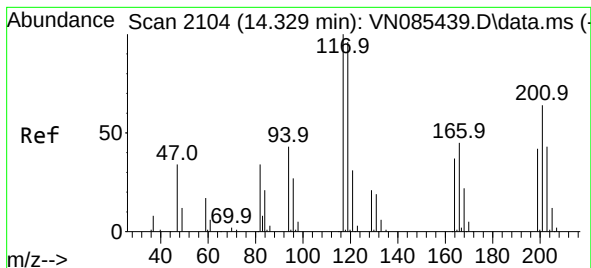
Tgt Ion:146 Resp: 888
Ion Ratio Lower Upper
146 100
111 22.7 21.3 63.7
148 44.0 32.4 97.0



#89
n-Butylbenzene
Concen: 0.460 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion: 91 Resp: 2217
Ion Ratio Lower Upper
91 100
92 45.4 25.8 77.3
134 20.4 11.7 35.1





#90

Hexachloroethane

Concen: 0.202 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN085448.D

Acq: 15 Jan 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

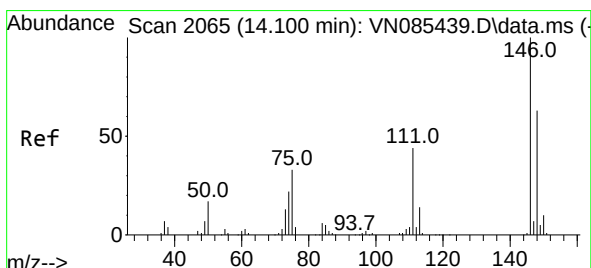
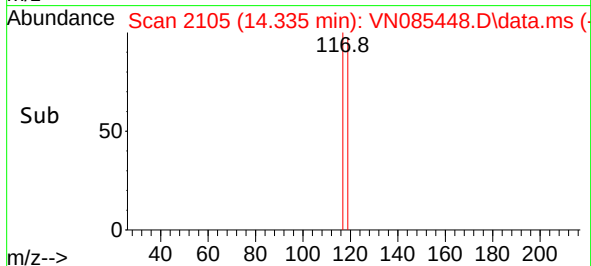
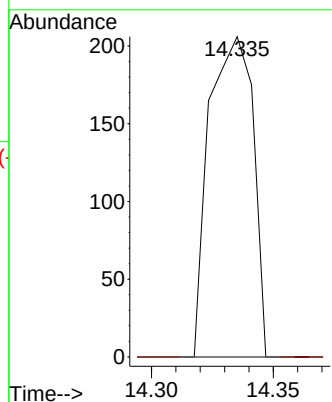
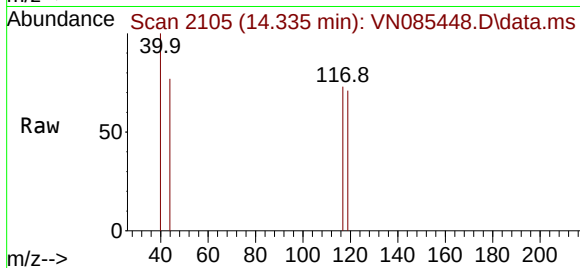
VN0115MBL01

Tgt Ion:117 Resp: 258

Ion Ratio Lower Upper

117 100

201 0.0 33.7 101.0#



#91

1,2-Dichlorobenzene

Concen: 0.226 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN085448.D

Acq: 15 Jan 2025 09:41

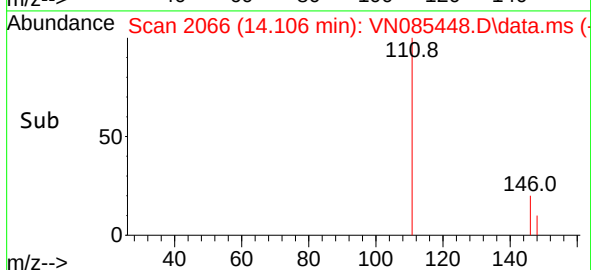
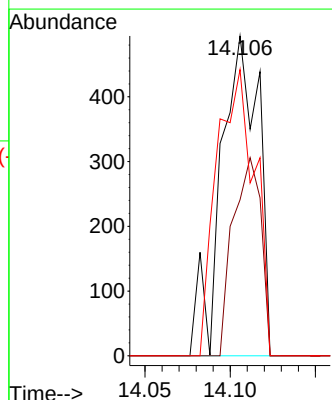
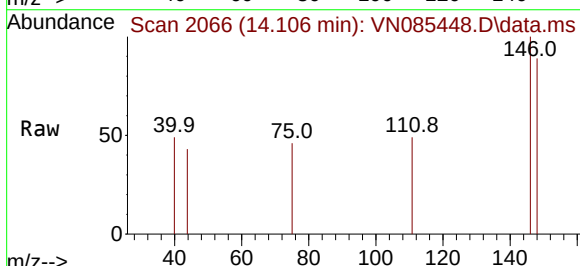
Tgt Ion:146 Resp: 758

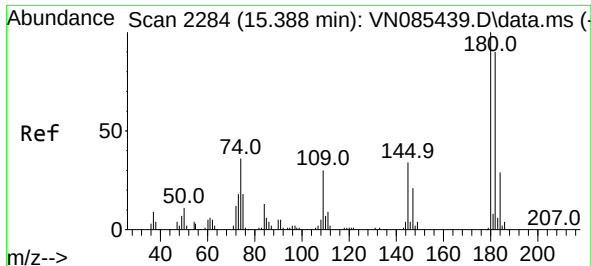
Ion Ratio Lower Upper

146 100

111 46.2 21.7 65.1

148 90.5 31.4 94.2

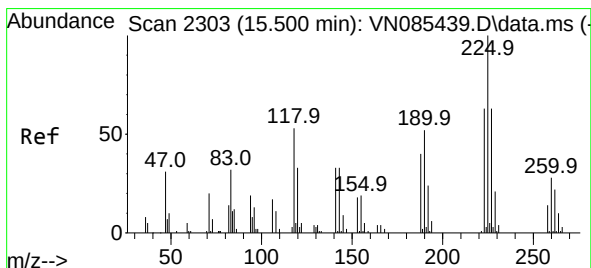
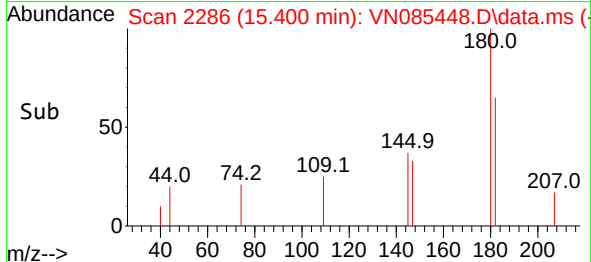
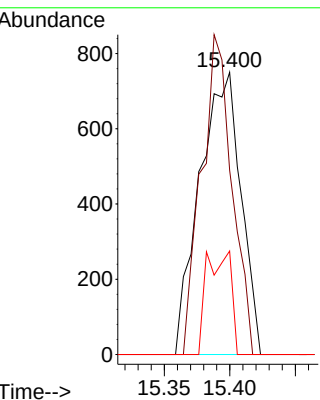
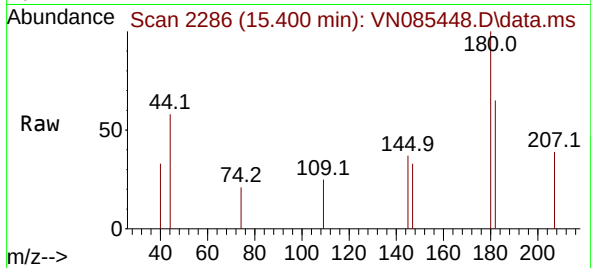




#93
 1,2,4-Trichlorobenzene
 Concen: 1.052 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085448.D
 Acq: 15 Jan 2025 09:41

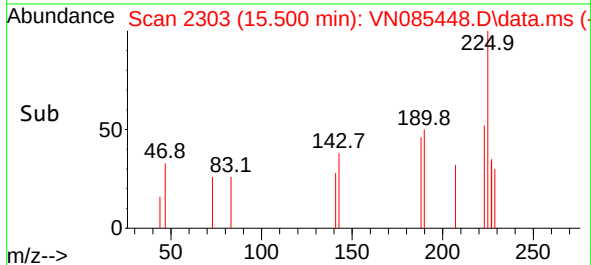
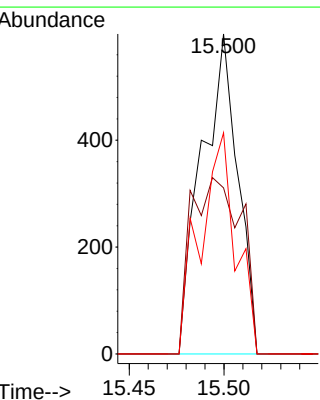
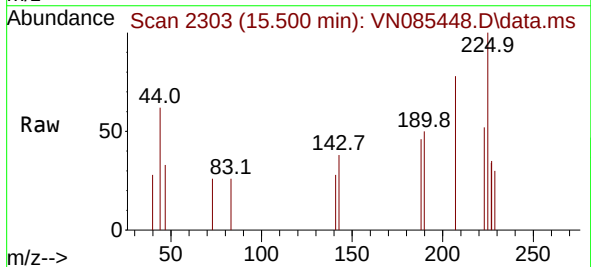
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115MBL01

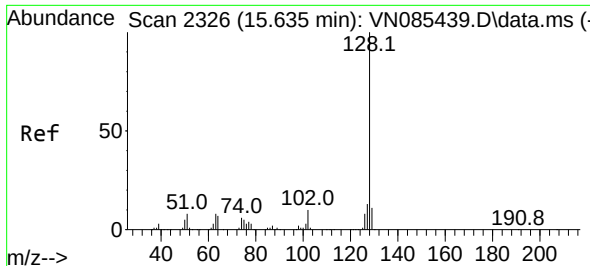
Tgt Ion:180 Resp: 1640
 Ion Ratio Lower Upper
 180 100
 182 83.8 46.8 140.3
 145 21.6 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 0.958 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN085448.D
 Acq: 15 Jan 2025 09:41

Tgt Ion:225 Resp: 793
 Ion Ratio Lower Upper
 225 100
 223 76.7 30.7 92.1
 227 68.1 30.9 92.5

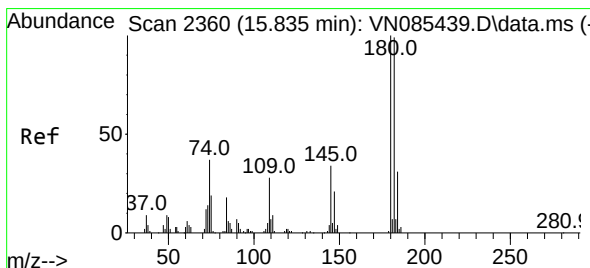
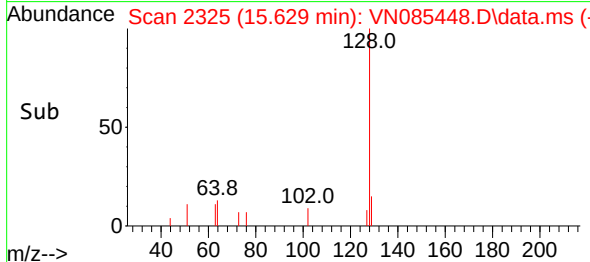
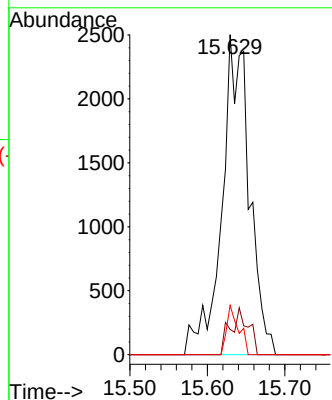
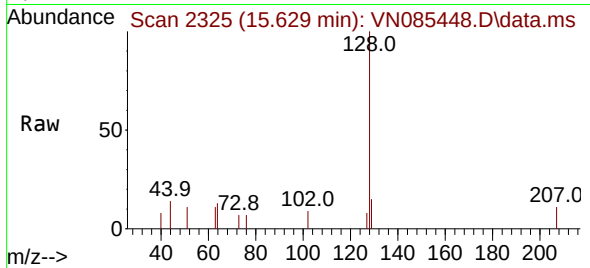




#95
Naphthalene
Concen: 1.328 ug/l
RT: 15.629 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VN0115MBL01

Tgt Ion:128 Resp: 6177
Ion Ratio Lower Upper
128 100
127 9.6 10.6 16.0#
129 6.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.179 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN085448.D
Acq: 15 Jan 2025 09:41

Tgt Ion:180 Resp: 1859
Ion Ratio Lower Upper
180 100
182 88.0 47.4 142.2
145 0.0 16.9 50.7#

