

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
 Data File : VN085340.D
 Acq On : 30 Dec 2024 13:02
 Operator : JC\MD
 Sample : VN1230MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 02:11:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	154093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99201	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124981	56.866	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.740%	
35) Dibromofluoromethane	8.165	113	96818	54.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.520%	
50) Toluene-d8	10.565	98	345274	52.730	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.460%	
62) 4-Bromofluorobenzene	12.847	95	105616	48.567	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.140%	

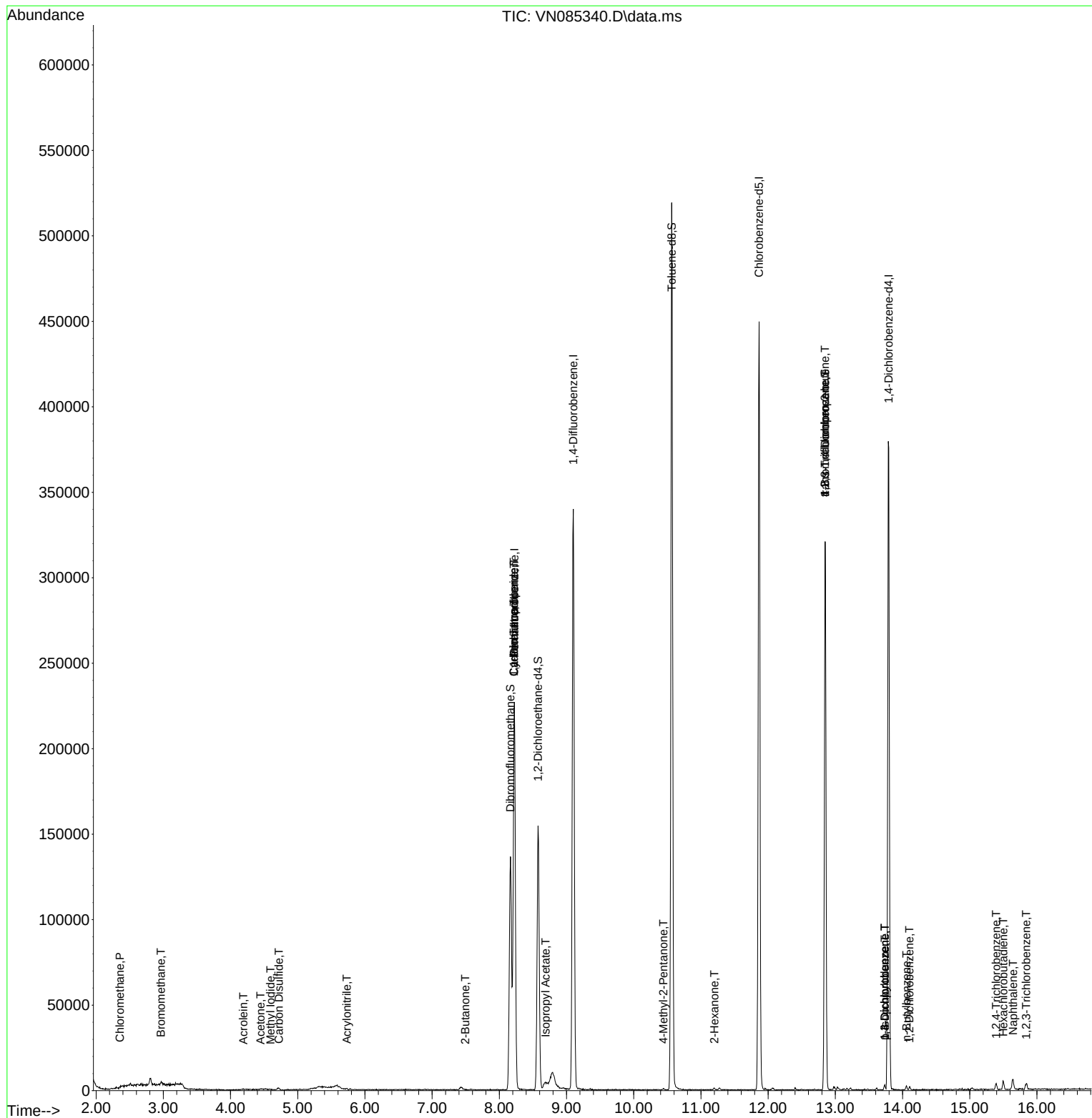
Target Compounds				Qvalue		
3) Chloromethane	2.354	50	651	0.278	ug/l #	43
5) Bromomethane	2.965	94	1192	0.736	ug/l #	66
10) Methyl Iodide	4.595	142	863	0.402	ug/l #	87
13) Acrolein	4.189	56	470	1.095	ug/l #	14
15) Acrylonitrile	5.730	53	369	0.426	ug/l #	52
16) Acetone	4.448	43	289	0.400	ug/l #	44
17) Carbon Disulfide	4.718	76	2872	0.551	ug/l #	75
25) 2-Butanone	7.494	43	307	0.274	ug/l #	51
31) Cyclohexane	8.218	56	4247	1.307	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	14261	5.458	ug/l #	51
38) Carbon Tetrachloride	8.218	117	17517	6.151	ug/l #	15
43) Isopropyl Acetate	8.688	43	5070	1.186	ug/l #	55
51) 4-Methyl-2-Pentanone	10.441	43	824	0.343	ug/l #	37
59) 2-Hexanone	11.200	43	1029	0.617	ug/l	64
76) 1,2,3-Trichloropropane	12.847	75	58551	31.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58551	75.694	ug/l #	10
86) p-Isopropyltoluene	13.735	119	722	0.315	ug/l #	58
87) 1,3-Dichlorobenzene	13.735	146	913	0.285	ug/l	83
88) 1,4-Dichlorobenzene	13.735	146	913	0.277	ug/l	83
89) n-Butylbenzene	14.059	91	1719	0.338	ug/l	86
91) 1,2-Dichlorobenzene	14.100	146	827	0.271	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	1580	1.037	ug/l	85
94) Hexachlorobutadiene	15.500	225	1118	1.477	ug/l	83
95) Naphthalene	15.647	128	6768	1.310	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	1928	1.267	ug/l	86

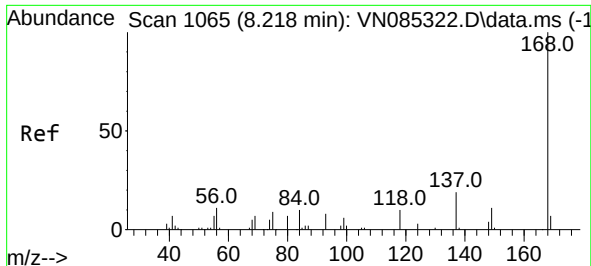
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
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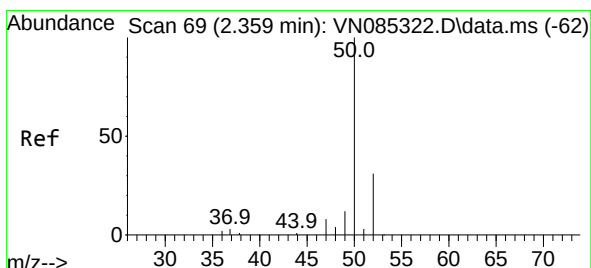
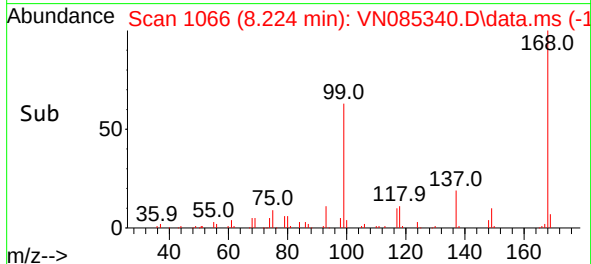
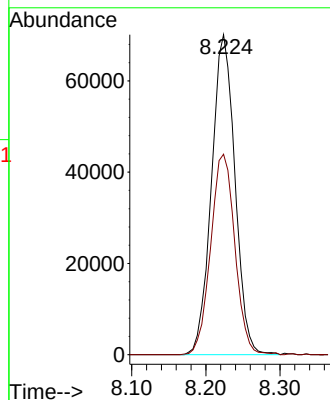
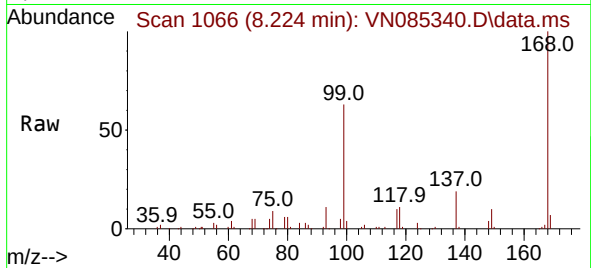




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

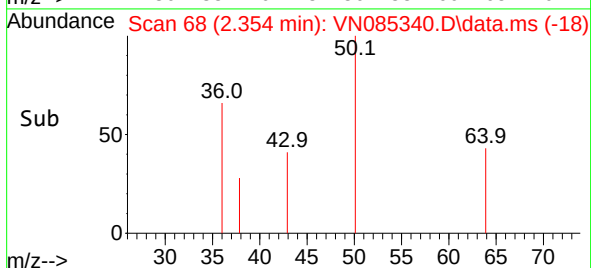
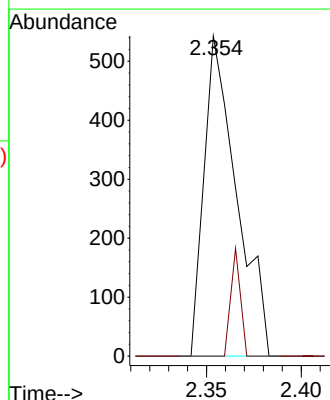
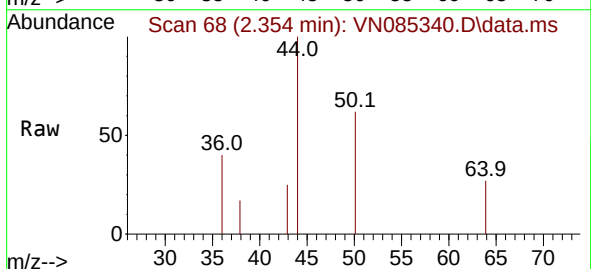
Instrument :
MSVOA_N
ClientSampleId :

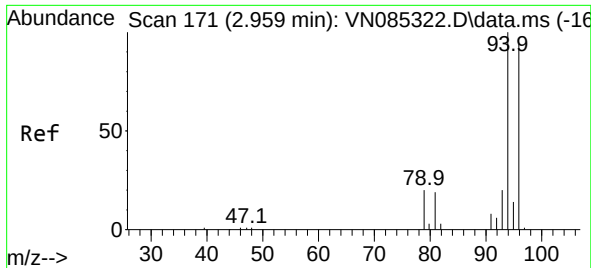
Tgt Ion:168 Resp: 154093
Ion Ratio Lower Upper
168 100
99 62.7 51.0 76.4



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Tgt Ion: 50 Resp: 651
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

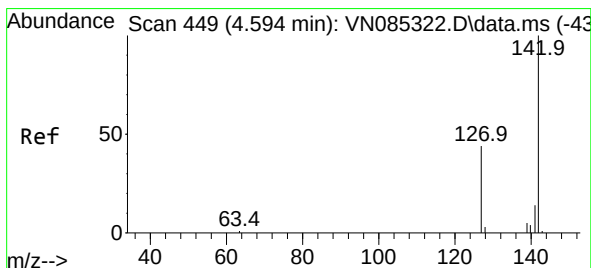
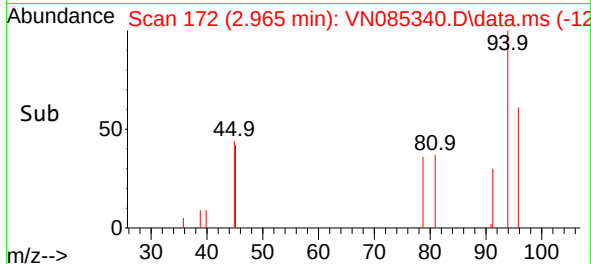
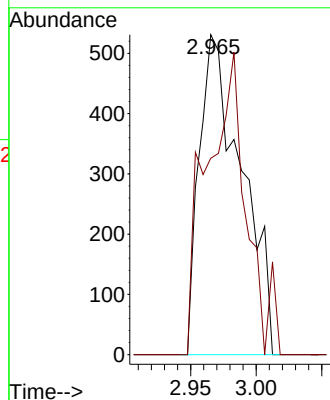
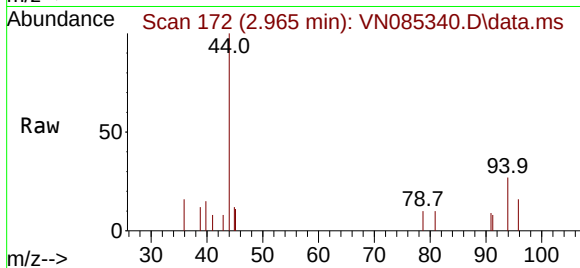




#5
Bromomethane
Concen: 0.736 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

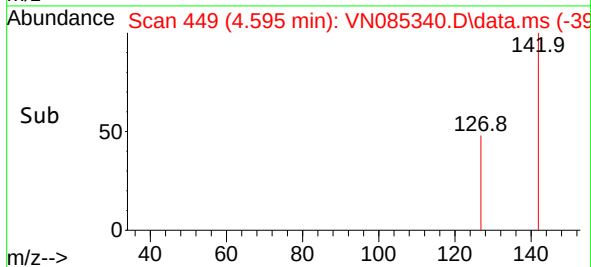
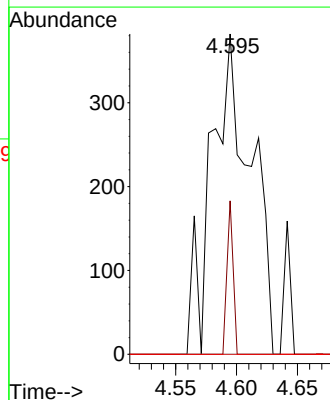
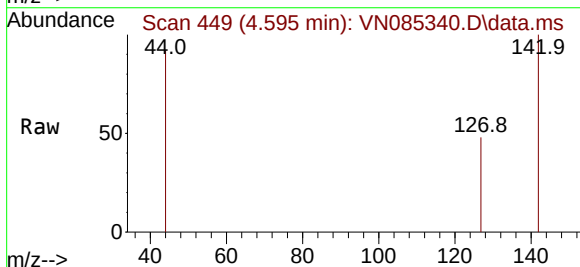
Instrument :
MSVOA_N
ClientSampleId :

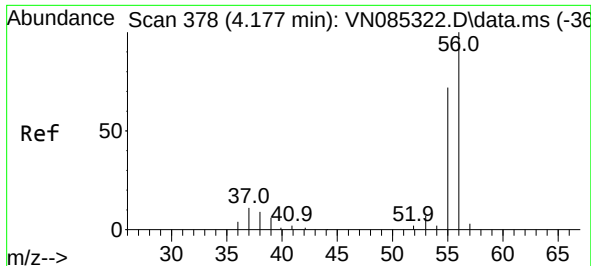
Tgt Ion: 94 Resp: 1192
Ion Ratio Lower Upper
94 100
96 61.4 75.2 112.8#



#10
Methyl Iodide
Concen: 0.402 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Tgt Ion:142 Resp: 863
Ion Ratio Lower Upper
142 100
127 47.9 35.3 52.9
141 0.0 11.5 17.3#





#13

Acrolein

Concen: 1.095 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

Instrument :

MSVOA_N

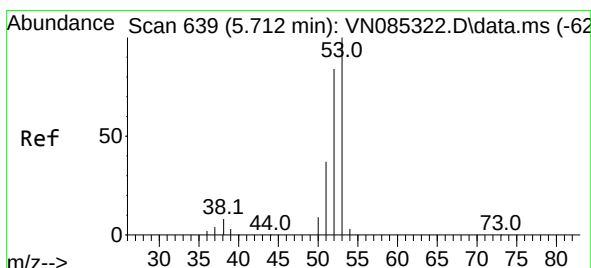
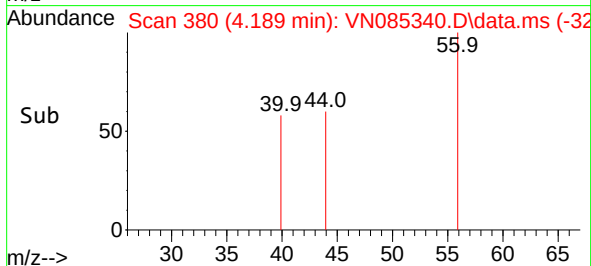
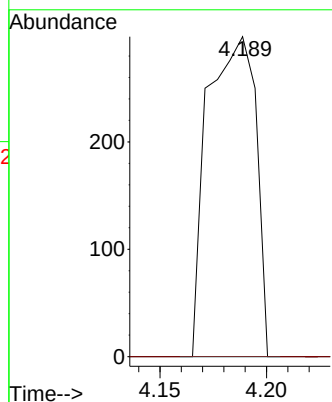
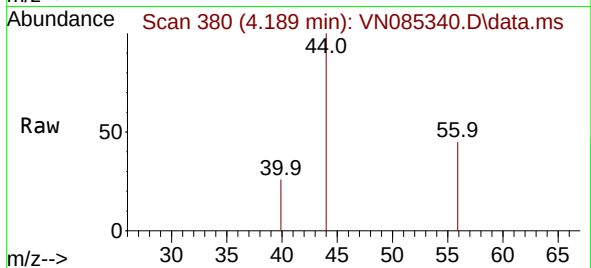
ClientSampleId :

Tgt Ion: 56 Resp: 470

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#15

Acrylonitrile

Concen: 0.426 ug/l

RT: 5.730 min Scan# 642

Delta R.T. 0.018 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

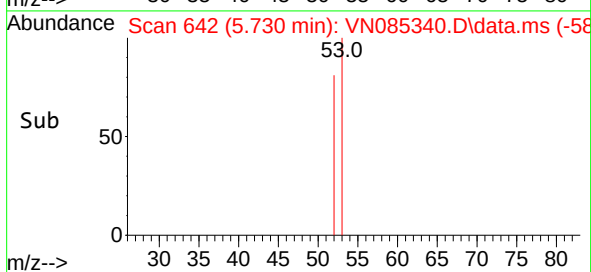
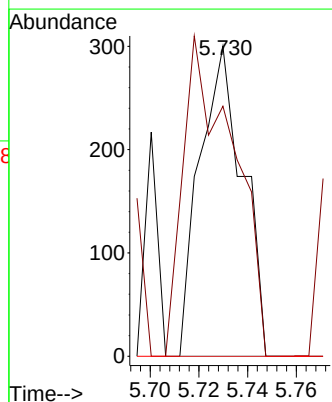
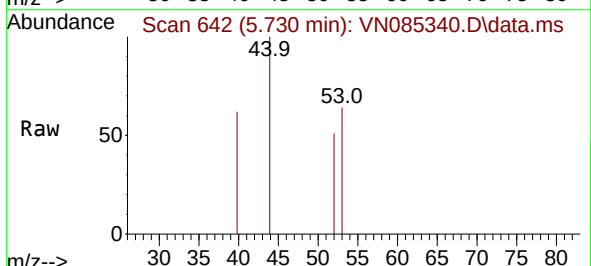
Tgt Ion: 53 Resp: 369

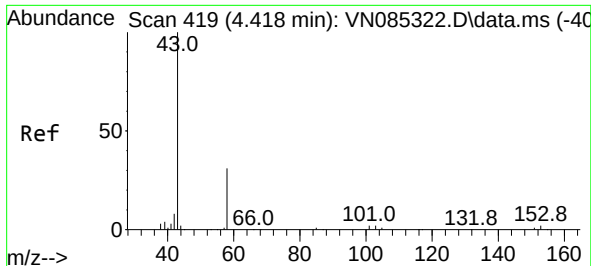
Ion Ratio Lower Upper

53 100

52 120.9 66.6 100.0#

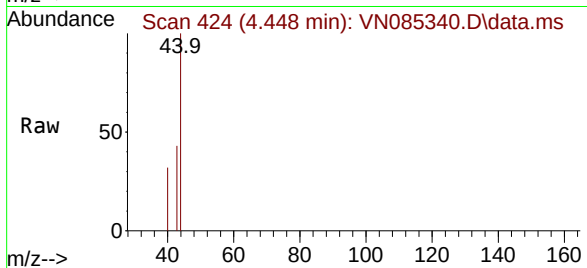
51 0.0 29.6 44.4#



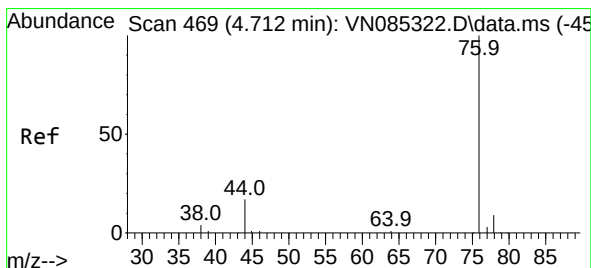
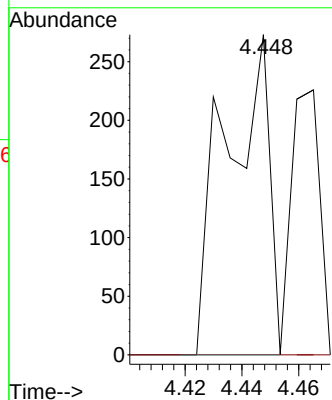
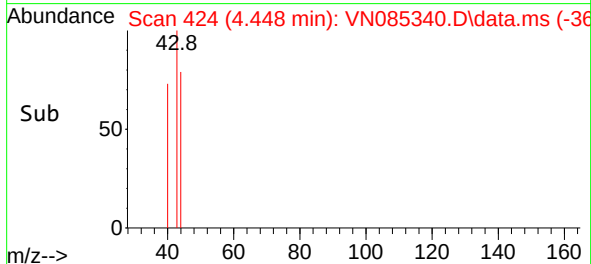


#16
Acetone
Concen: 0.400 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.030 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

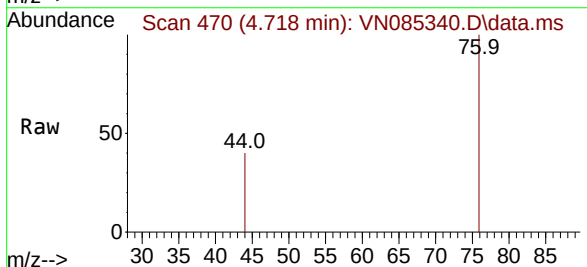
Instrument :
MSVOA_N
ClientSampleId :



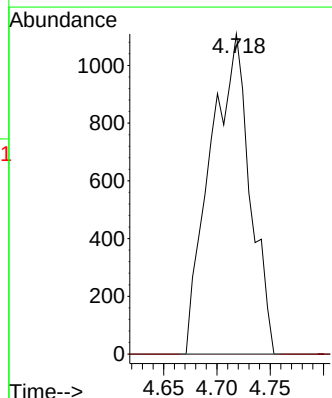
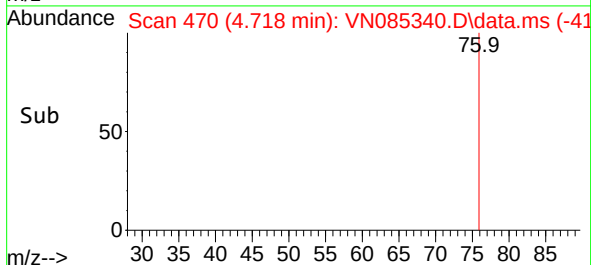
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

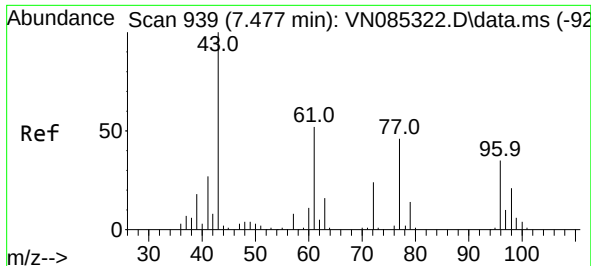


#17
Carbon Disulfide
Concen: 0.551 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02



Tgt Ion: 76 Resp: 2872
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

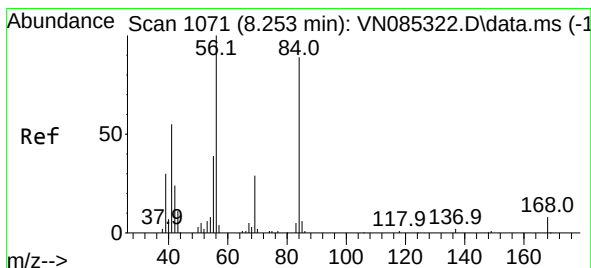
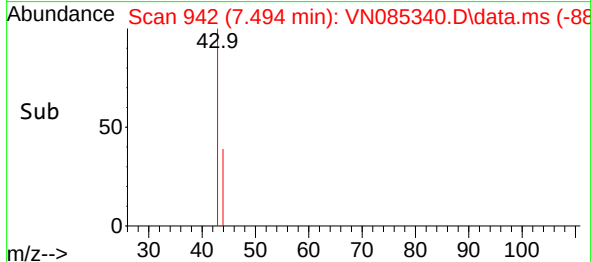
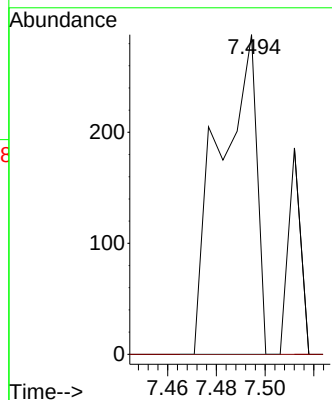
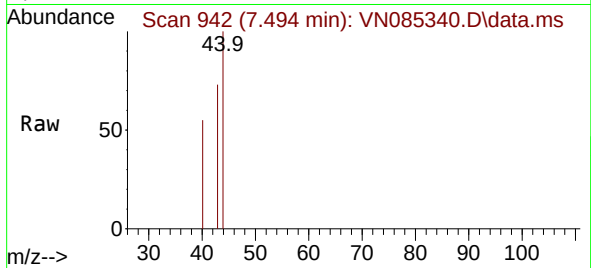




#25
2-Butanone
Concen: 0.274 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

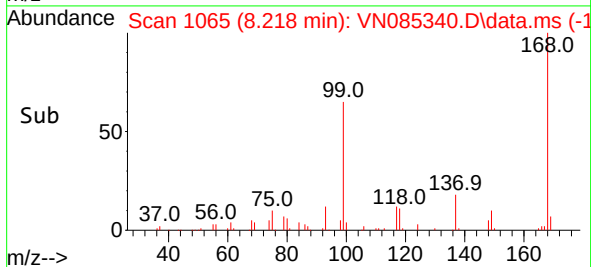
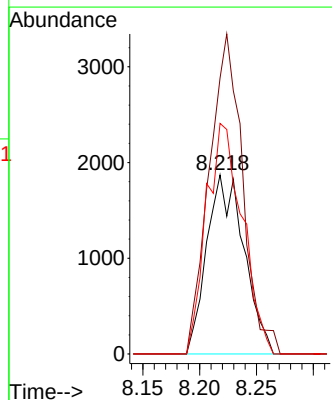
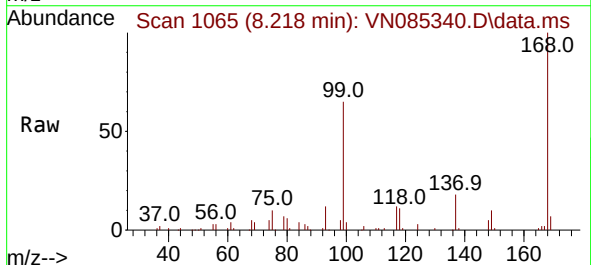
Instrument :
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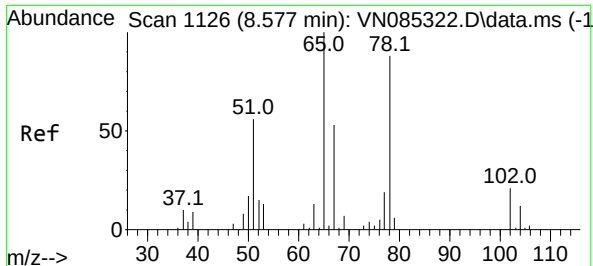
Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Tgt Ion: 56 Resp: 4247
Ion Ratio Lower Upper
56 100
69 154.1 23.4 35.0#
84 128.8 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 56.866 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

Instrument :

MSVOA_N

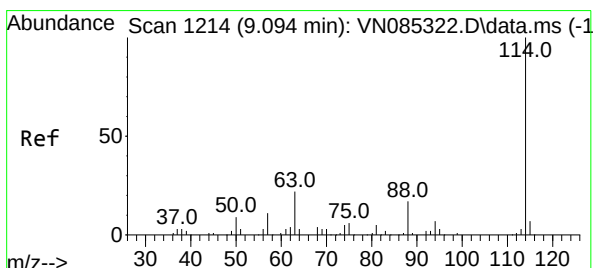
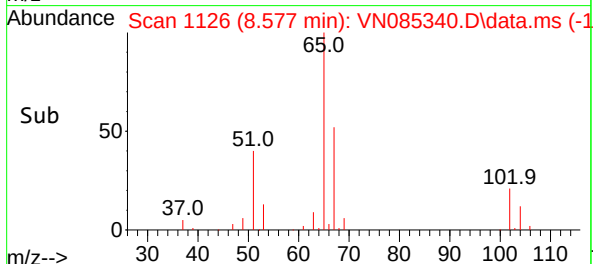
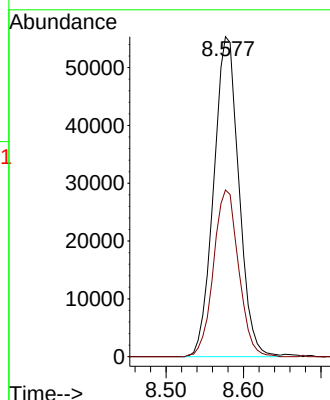
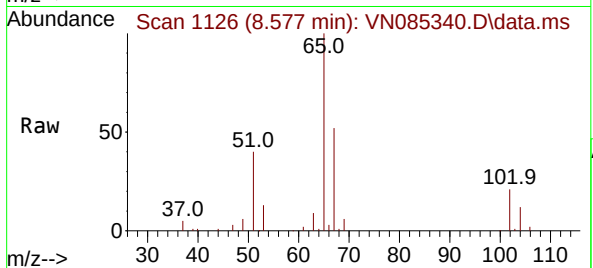
ClientSampleId :

Tgt Ion: 65 Resp: 124981

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

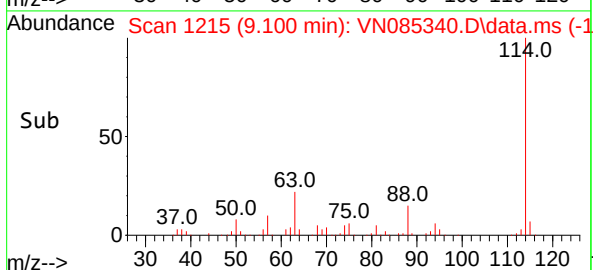
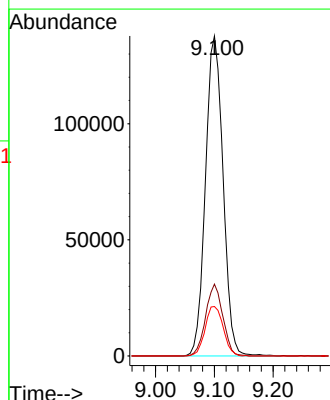
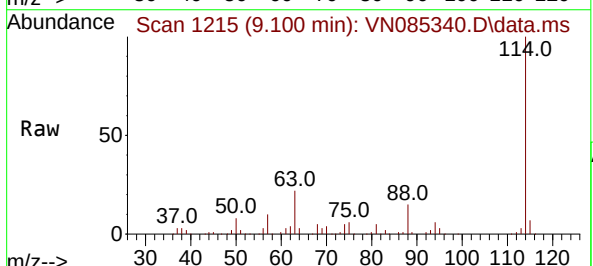
Tgt Ion: 114 Resp: 286028

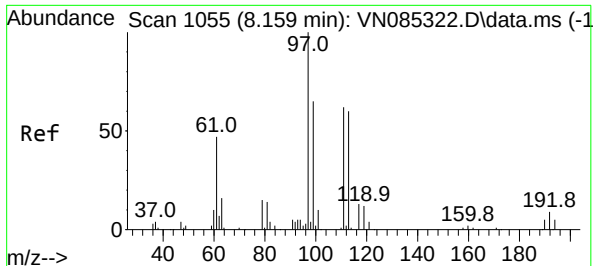
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

88 15.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 54.258 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

Instrument :

MSVOA_N

ClientSampleId :

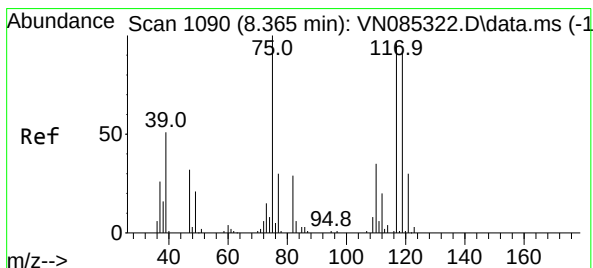
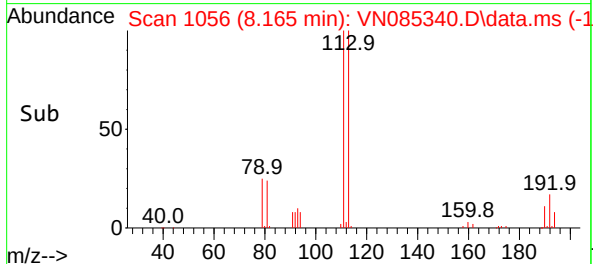
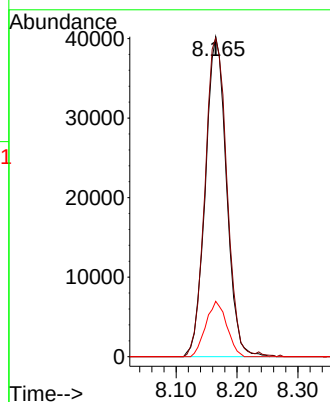
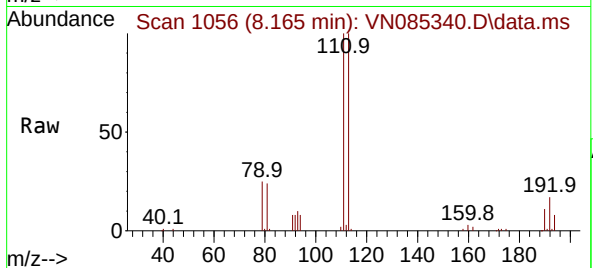
Tgt Ion:113 Resp: 96818

Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

192 17.1 12.9 19.3



#36

1,1-Dichloropropene

Concen: 5.458 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

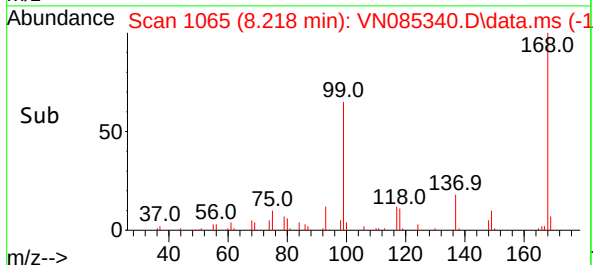
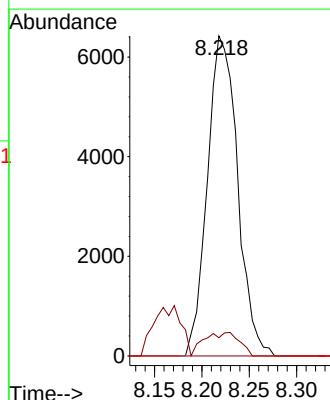
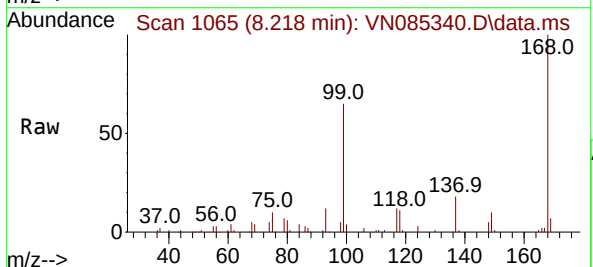
Tgt Ion: 75 Resp: 14261

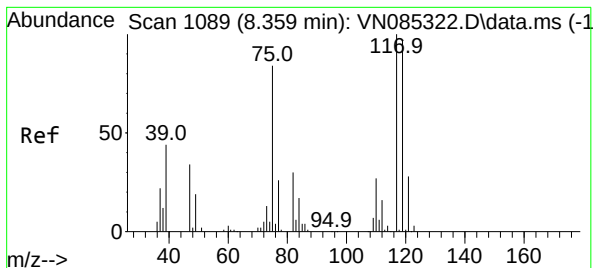
Ion Ratio Lower Upper

75 100

110 8.6 16.6 49.8#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.151 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

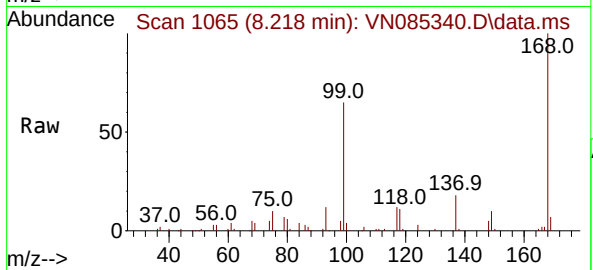
Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

Instrument :

MSVOA_N

ClientSampleId :



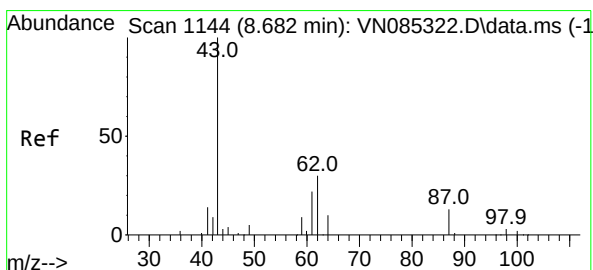
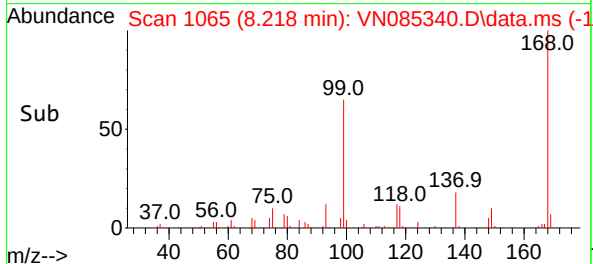
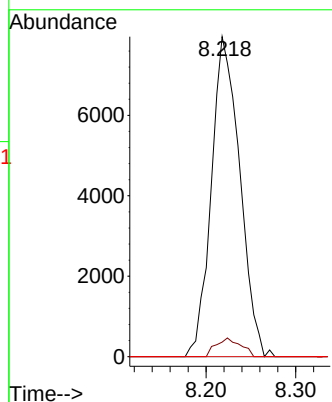
Tgt Ion:117 Resp: 17517

Ion Ratio Lower Upper

117 100

119 4.5 77.8 116.6#

121 0.0 22.5 33.7#



#43

Isopropyl Acetate

Concen: 1.186 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

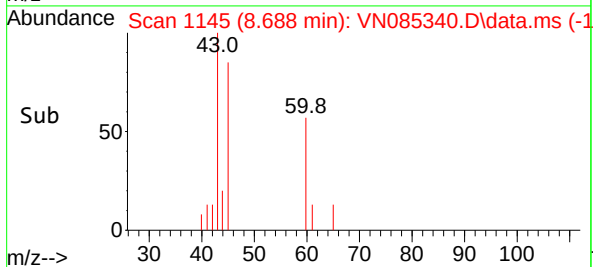
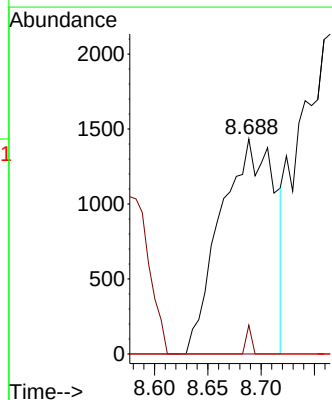
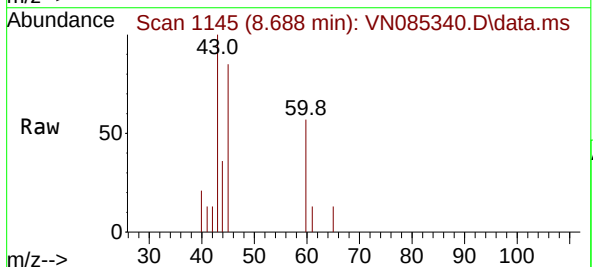
Tgt Ion: 43 Resp: 5070

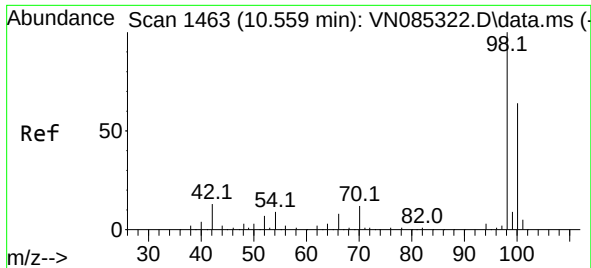
Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 10.2 15.4#

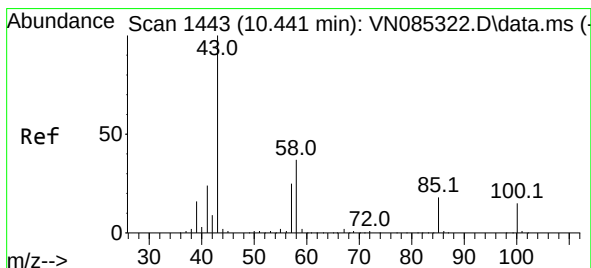
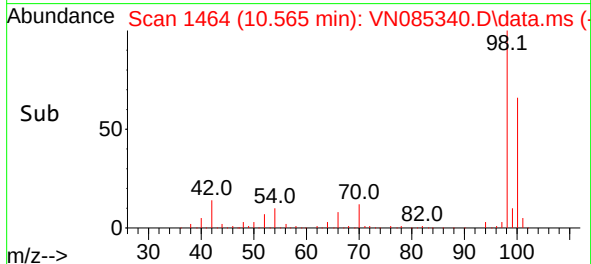
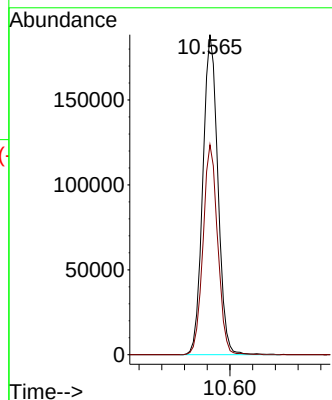
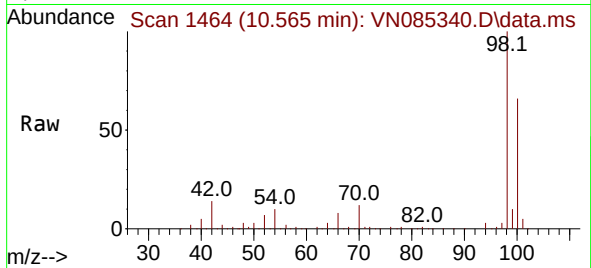




#50
Toluene-d8
Concen: 52.730 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

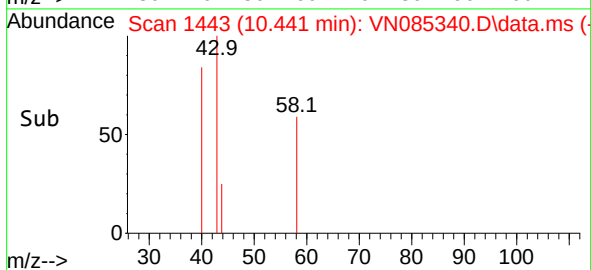
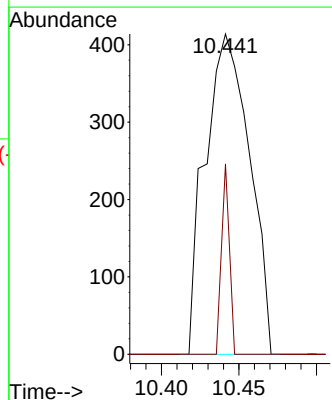
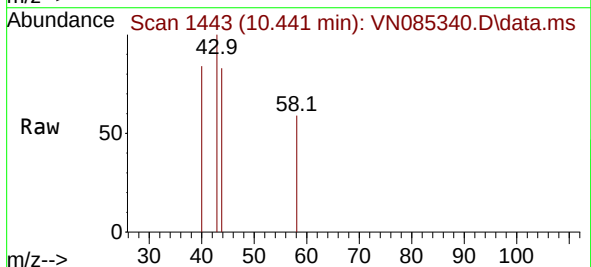
Instrument :
MSVOA_N
ClientSampleId :

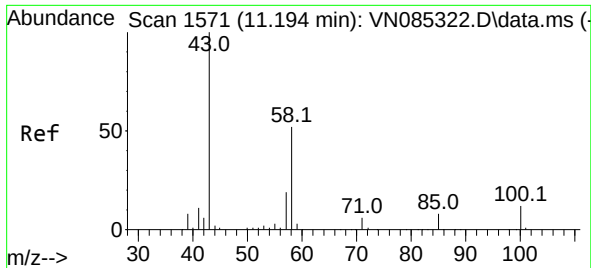
Tgt Ion: 98 Resp: 345274
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.343 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

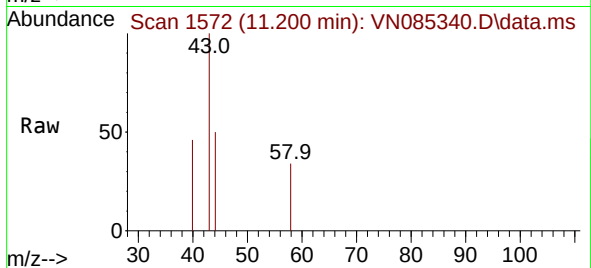
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 0.0 30.3 45.5#



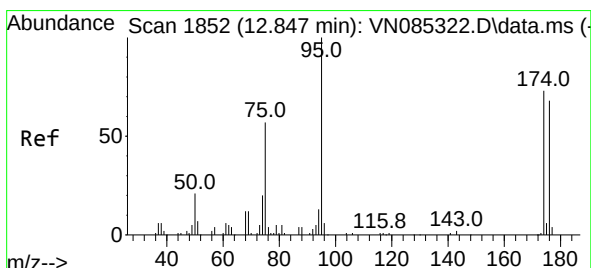
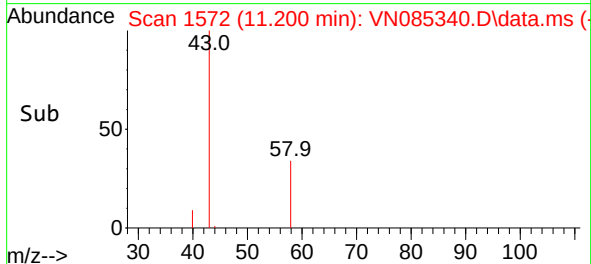
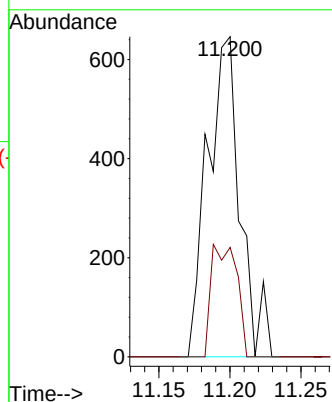


#59
2-Hexanone
Concen: 0.617 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

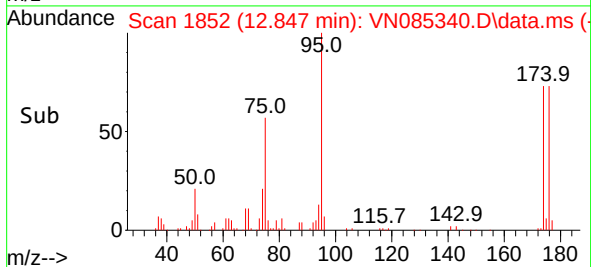
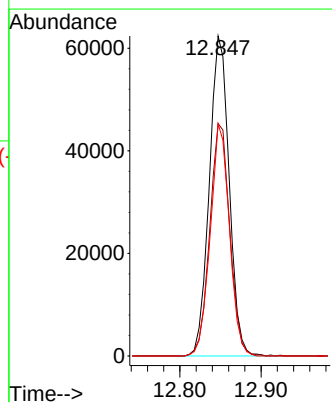
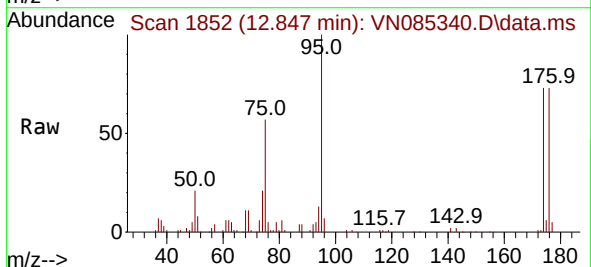


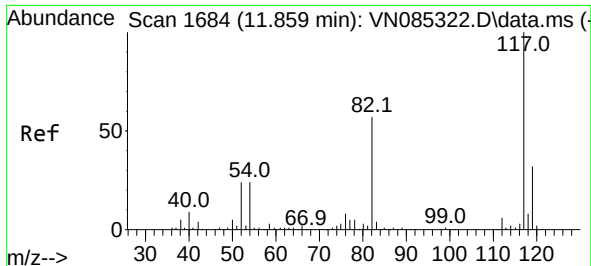
Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
58 27.6 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 48.567 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Tgt Ion: 95 Resp: 105616
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.2
176 70.0 0.0 135.8

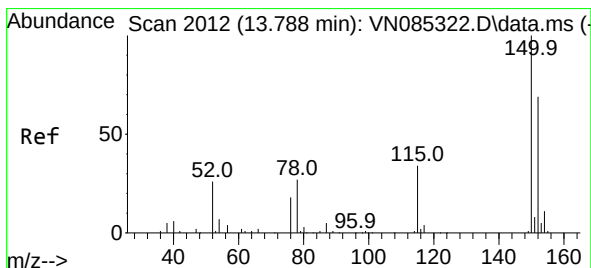
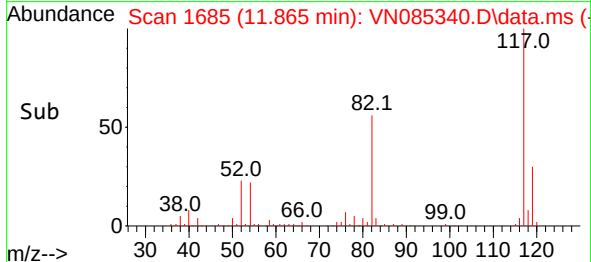
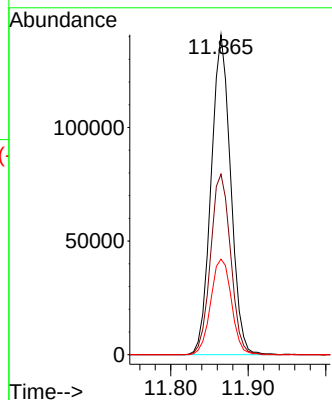
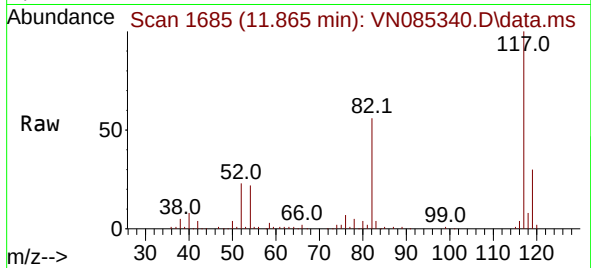




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

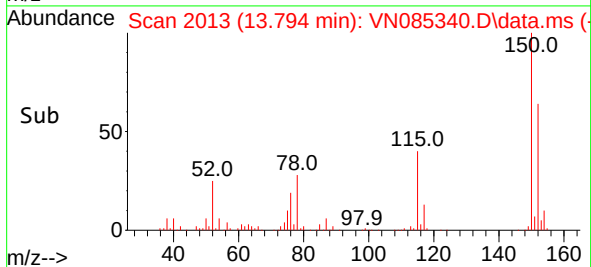
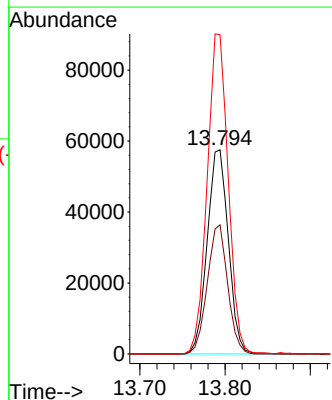
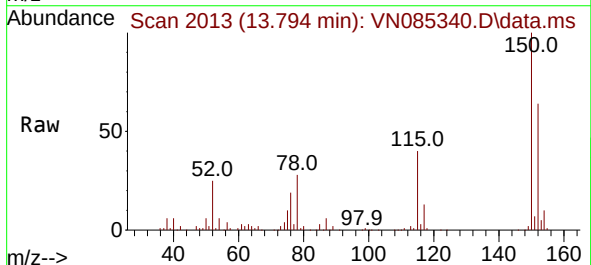
Instrument :
MSVOA_N
ClientSampleId :

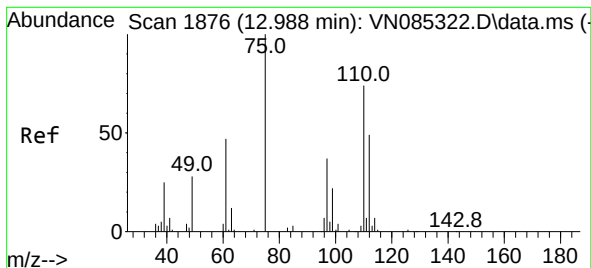
Tgt Ion:117 Resp: 246463
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 29.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Tgt Ion:152 Resp: 99201
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 155.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 31.607 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

Instrument :

MSVOA_N

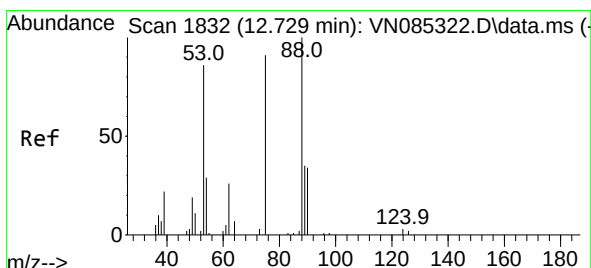
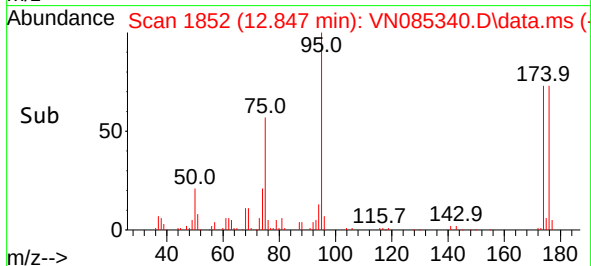
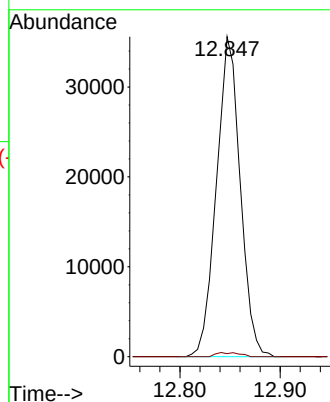
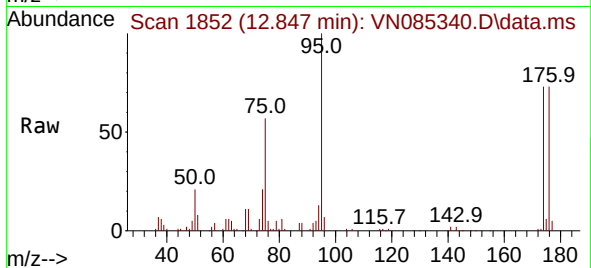
ClientSampleId :

Tgt Ion: 75 Resp: 58551

Ion Ratio Lower Upper

75 100

77 1.3 98.1 294.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.694 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.118 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

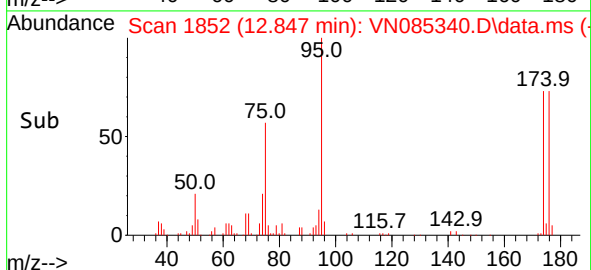
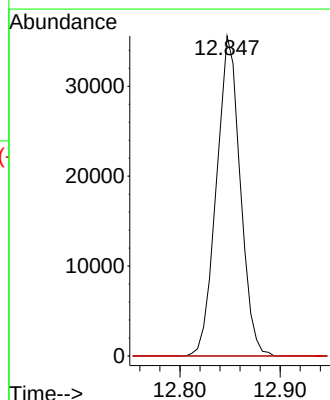
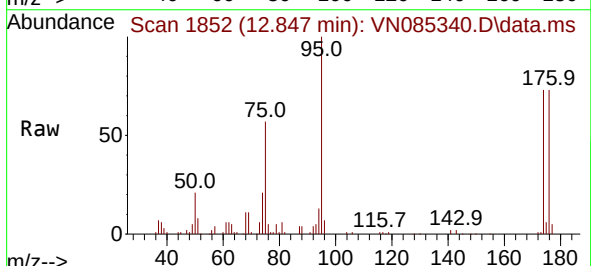
Tgt Ion: 75 Resp: 58551

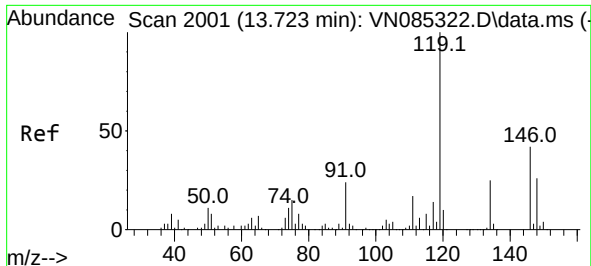
Ion Ratio Lower Upper

75 100

53 0.0 80.0 120.0#

89 0.0 35.8 53.8#





#86

p-Isopropyltoluene

Concen: 0.315 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.012 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

Instrument :

MSVOA_N

ClientSampleId :

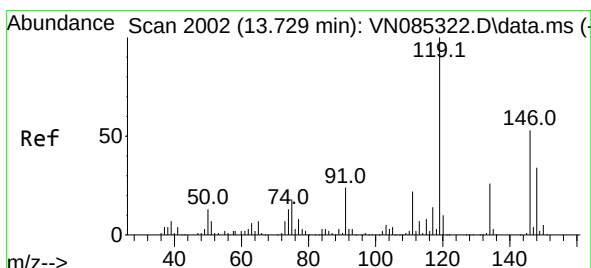
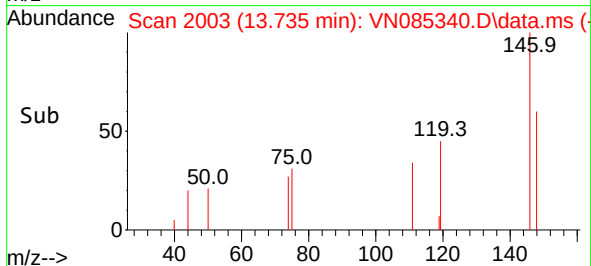
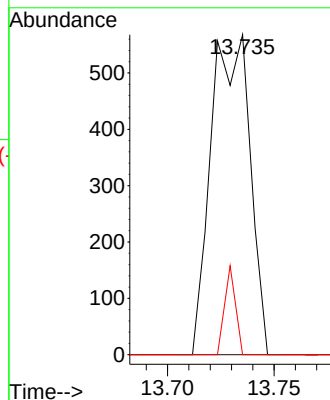
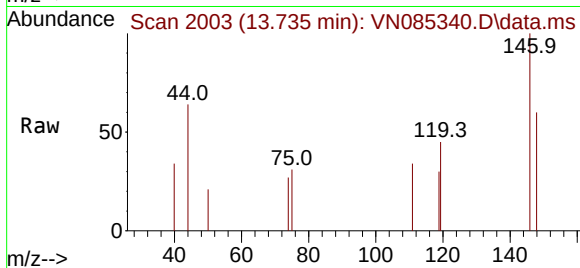
Tgt Ion:119 Resp: 722

Ion Ratio Lower Upper

119 100

134 0.0 12.5 37.5#

91 7.8 12.2 36.4#



#87

1,3-Dichlorobenzene

Concen: 0.285 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN085340.D

Acq: 30 Dec 2024 13:02

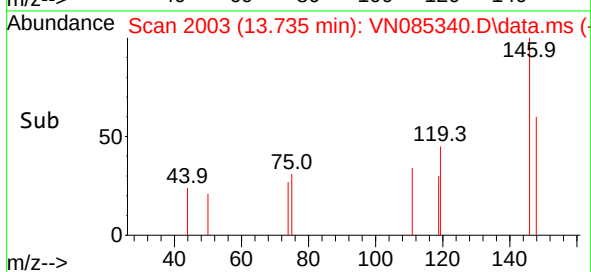
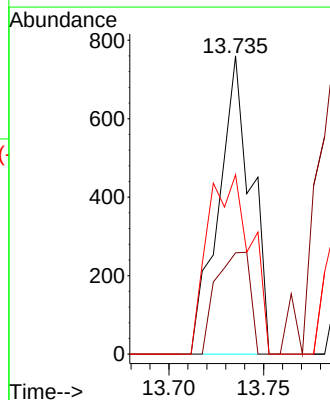
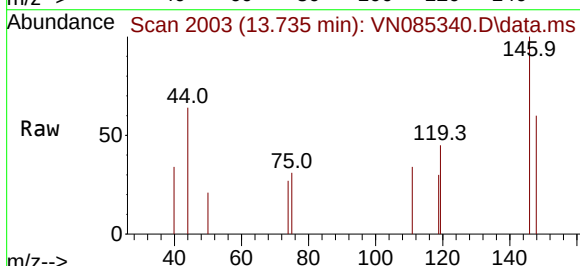
Tgt Ion:146 Resp: 913

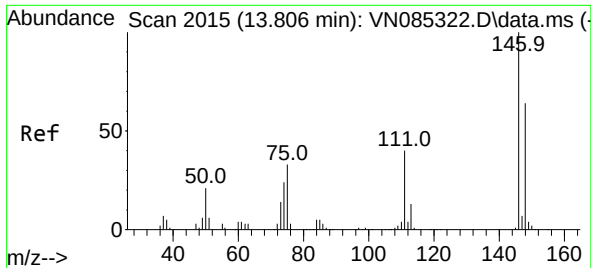
Ion Ratio Lower Upper

146 100

111 35.6 21.3 63.9

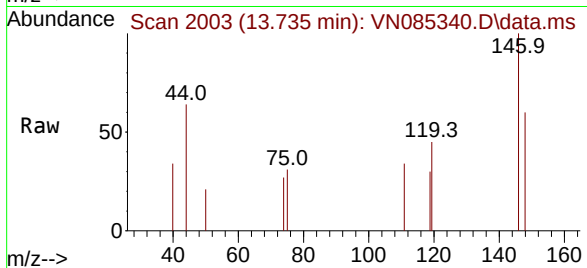
148 80.0 31.5 94.5



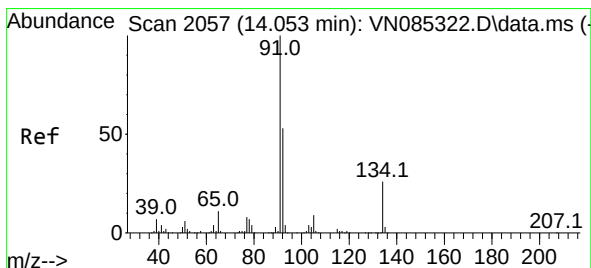
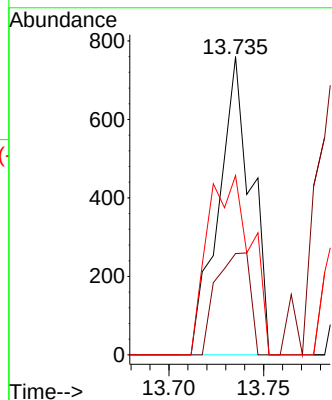
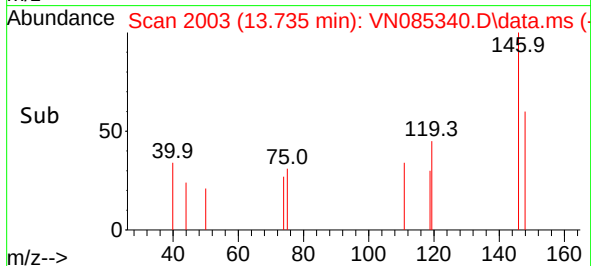


#88
1,4-Dichlorobenzene
Concen: 0.277 ug/l
RT: 13.735 min Scan# 2015
Delta R.T. -0.070 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

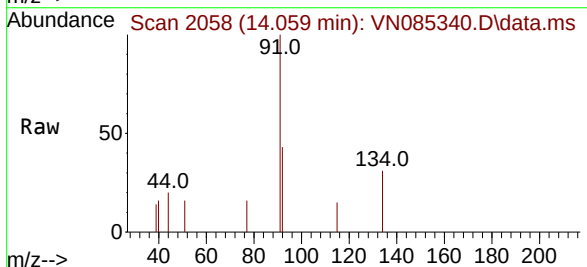
Instrument :
MSVOA_N
ClientSampleId :



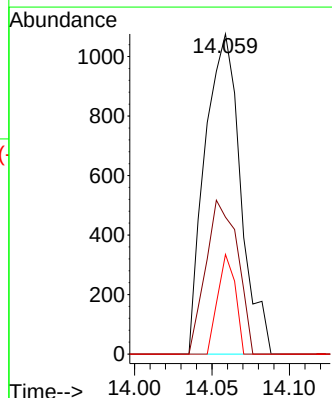
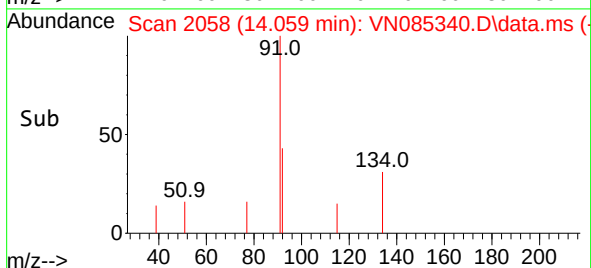
Tgt Ion:146 Resp: 913
Ion Ratio Lower Upper
146 100
111 35.6 20.8 62.5
148 80.0 31.7 95.1

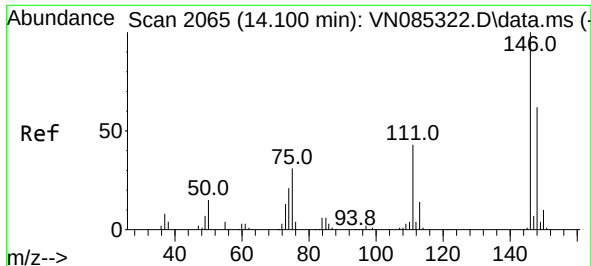


#89
n-Butylbenzene
Concen: 0.338 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02



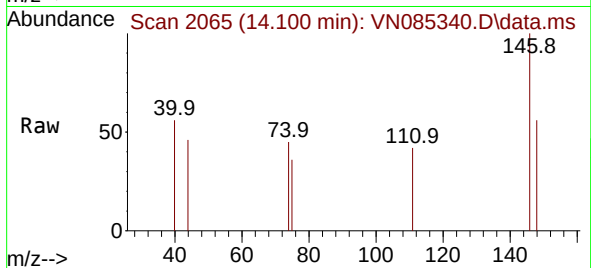
Tgt Ion: 91 Resp: 1719
Ion Ratio Lower Upper
91 100
92 42.9 26.0 78.0
134 15.4 12.1 36.3



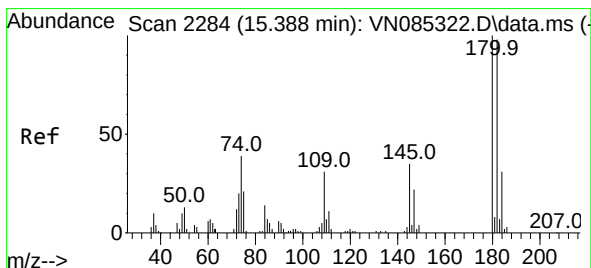
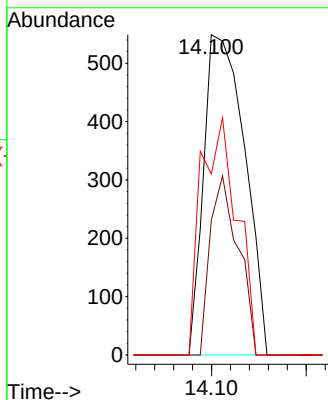
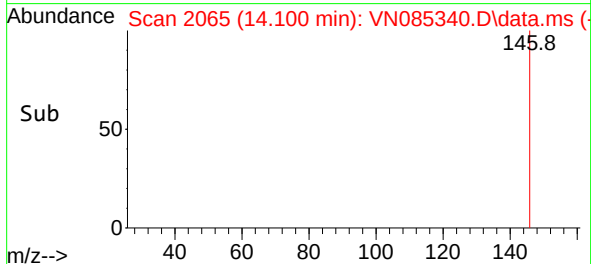


#91
1,2-Dichlorobenzene
Concen: 0.271 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

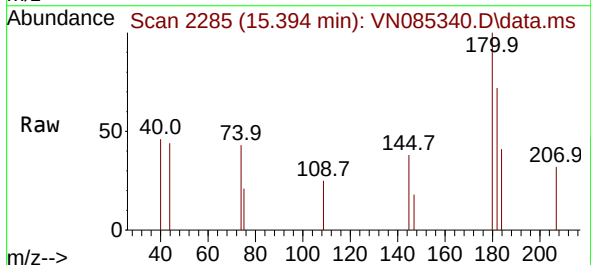
Instrument :
MSVOA_N
ClientSampleId :



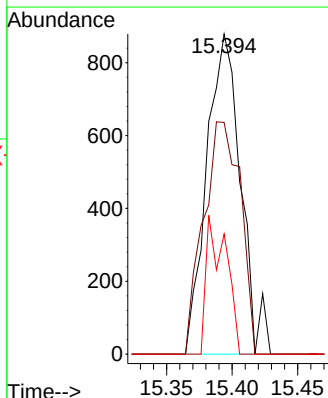
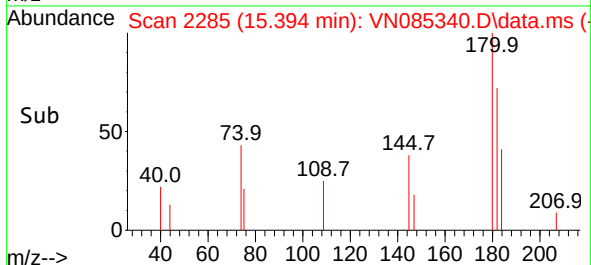
Tgt Ion:146 Resp: 827
Ion Ratio Lower Upper
146 100
111 38.3 21.8 65.3
148 65.1 31.4 94.2

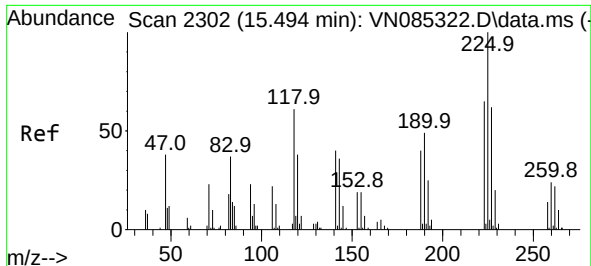


#93
1,2,4-Trichlorobenzene
Concen: 1.037 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02



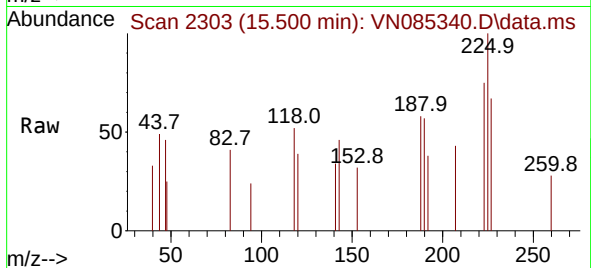
Tgt Ion:180 Resp: 1580
Ion Ratio Lower Upper
180 100
182 79.2 47.2 141.6
145 25.3 16.6 49.8



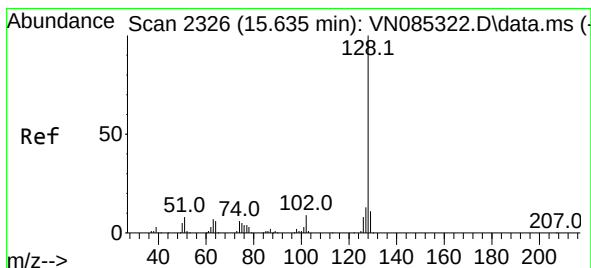
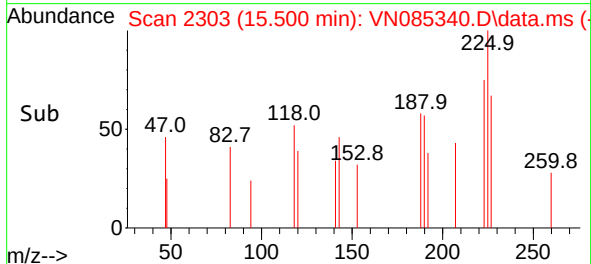
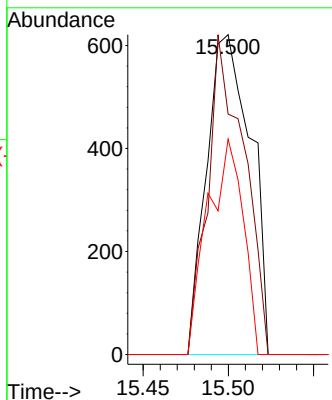


#94
Hexachlorobutadiene
Concen: 1.477 ug/l
RT: 15.500 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

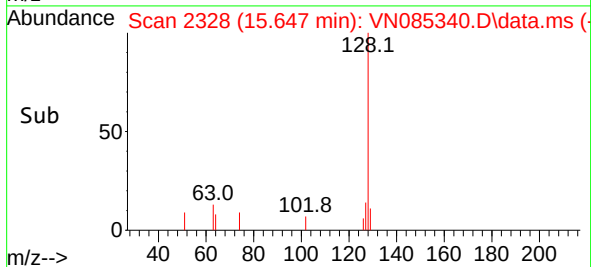
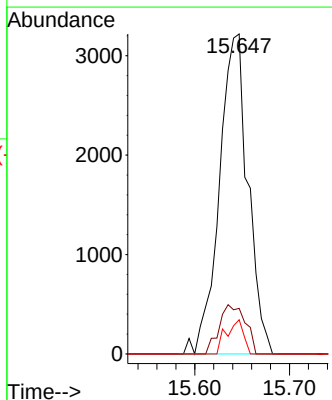
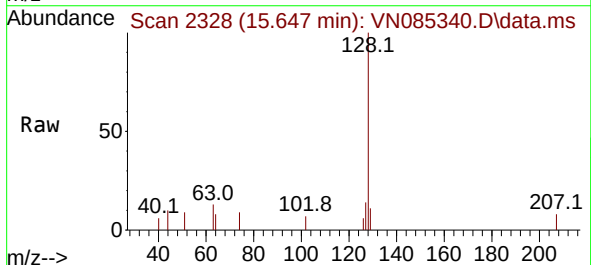


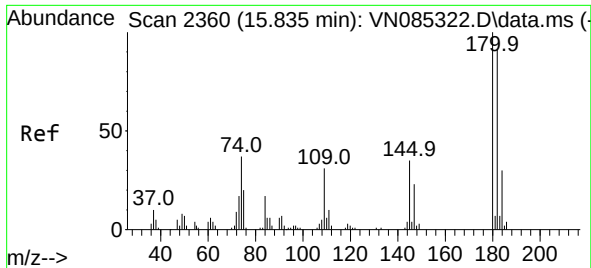
Tgt Ion	Ratio	Lower	Upper
225	100		
223	82.1	31.6	94.7
227	54.4	30.3	91.0



#95
Naphthalene
Concen: 1.310 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085340.D
Acq: 30 Dec 2024 13:02

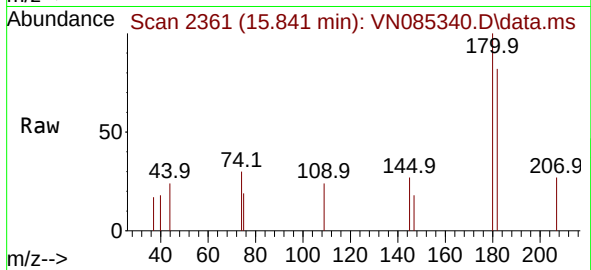
Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	6.4	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 1.267 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085340.D
 Acq: 30 Dec 2024 13:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1928
Ion	Ratio	Lower	Upper
180	100		
182	81.6	46.8	140.4
145	22.9	17.2	51.6

