

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084155.D
 Acq On : 25 Sep 2024 13:23
 Operator : JC\MD
 Sample : P4116-10RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:33:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

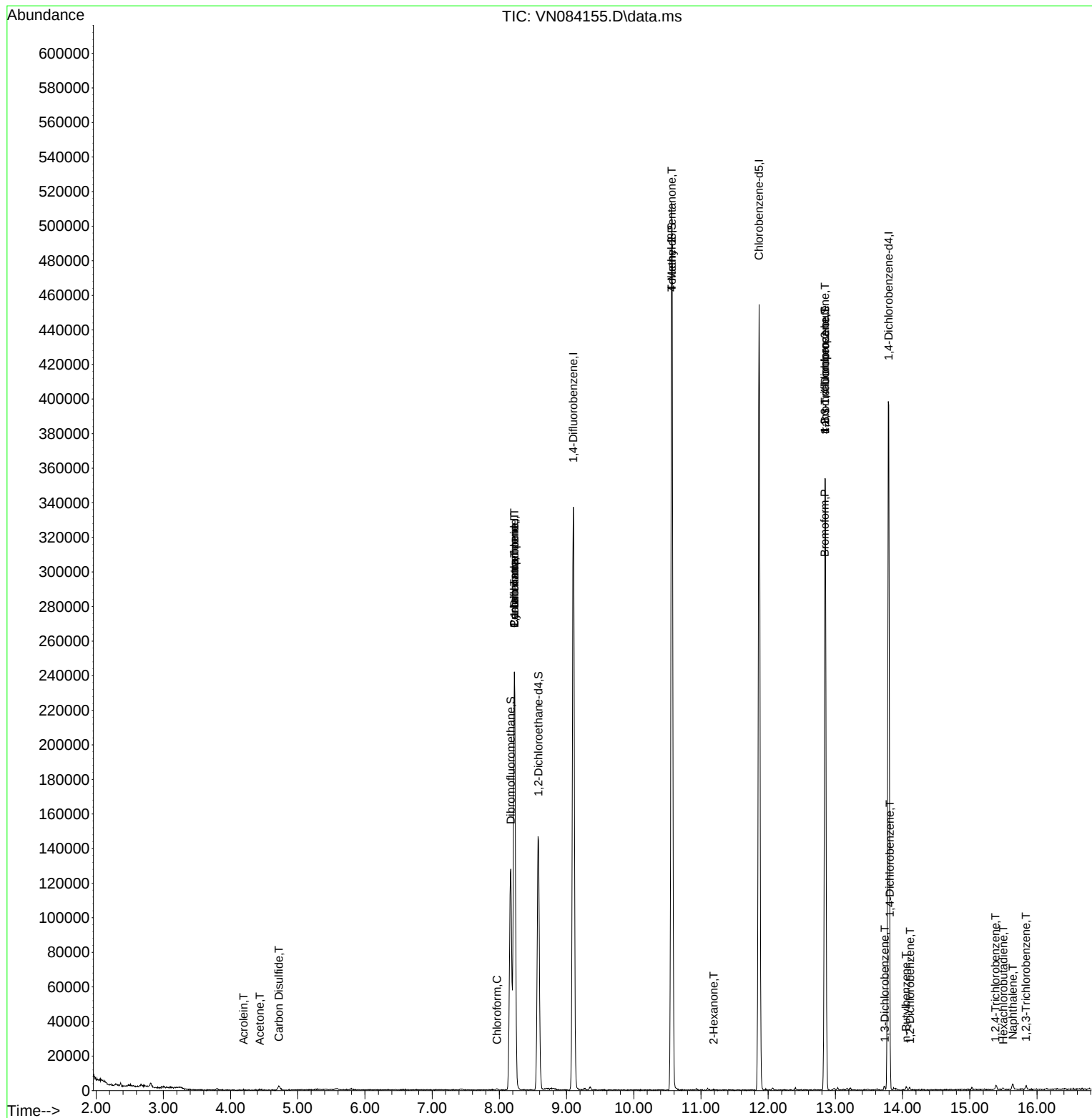
Internal Standards						
1) Pentafluorobenzene	8.224	168	166393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124291	49.539	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.080%
35) Dibromofluoromethane	8.171	113	92868	50.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.400%
50) Toluene-d8	10.565	98	349747	55.231	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.460%
62) 4-Bromofluorobenzene	12.847	95	122060	46.720	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1011	Below Cal		91
13) Acrolein	4.195	56	180	0.543	ug/l #	13
16) Acetone	4.436	43	400	0.398	ug/l #	45
17) Carbon Disulfide	4.718	76	1204	0.239	ug/l #	75
18) Methyl Acetate	4.765	43	119	Below Cal	#	52
30) Chloroform	7.965	83	921	0.228	ug/l #	83
31) Cyclohexane	8.224	56	4244	1.170	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15391	5.582	ug/l #	51
38) Carbon Tetrachloride	8.224	117	19478	6.227	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1772	0.718	ug/l #	1
59) 2-Hexanone	11.188	43	369	0.202	ug/l	66
71) Bromoform	12.841	173	1037	0.807	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67213	31.762	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67213	83.186	ug/l #	9
87) 1,3-Dichlorobenzene	13.735	146	974	0.264	ug/l #	35
88) 1,4-Dichlorobenzene	13.812	146	1197	0.321	ug/l #	5
89) n-Butylbenzene	14.053	91	1376	0.230	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	976	0.274	ug/l	78
93) 1,2,4-Trichlorobenzene	15.382	180	1059	0.555	ug/l #	76
94) Hexachlorobutadiene	15.500	225	282	0.348	ug/l #	53
95) Naphthalene	15.641	128	4038	0.695	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	1040	0.570	ug/l	84

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

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
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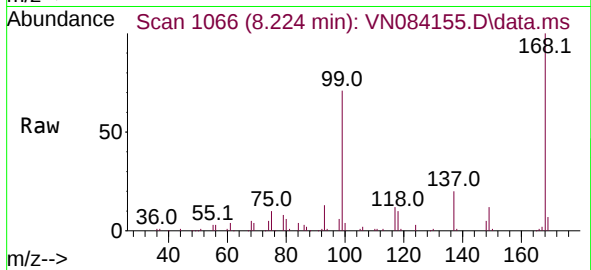
Quant Time: Sep 26 01:33:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



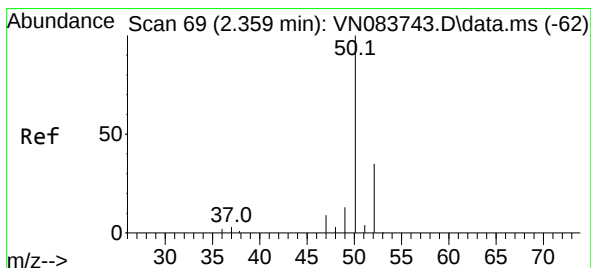
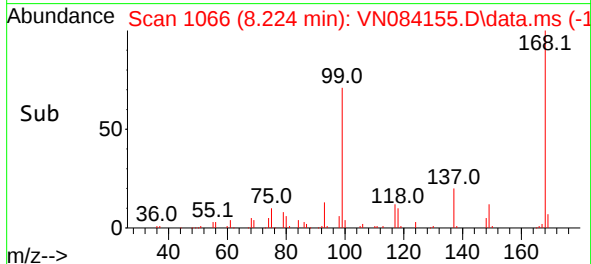
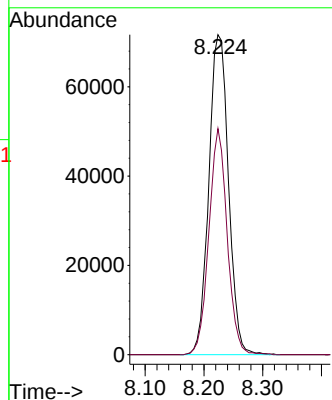


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

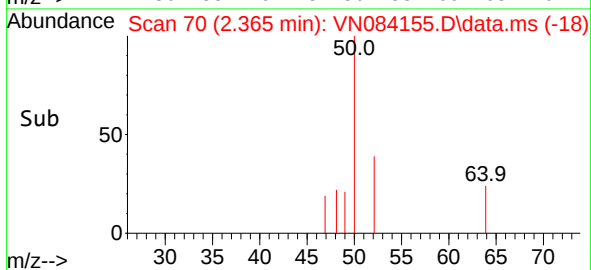
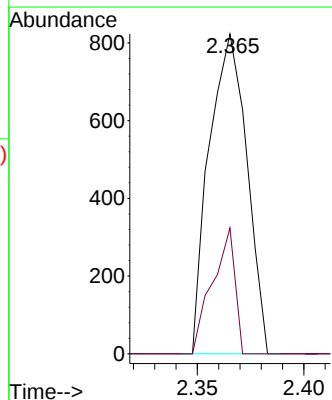
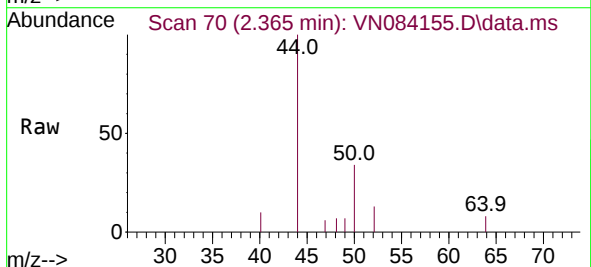


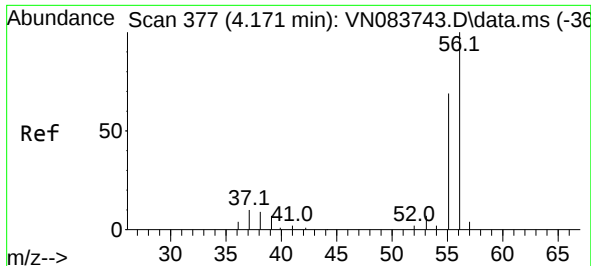
Tgt Ion:168 Resp: 166393
Ion Ratio Lower Upper
168 100
99 70.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

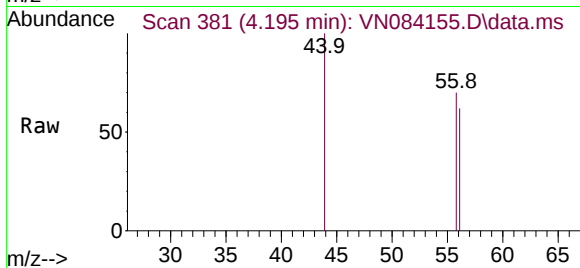
Tgt Ion: 50 Resp: 1011
Ion Ratio Lower Upper
50 100
52 39.4 27.2 40.8



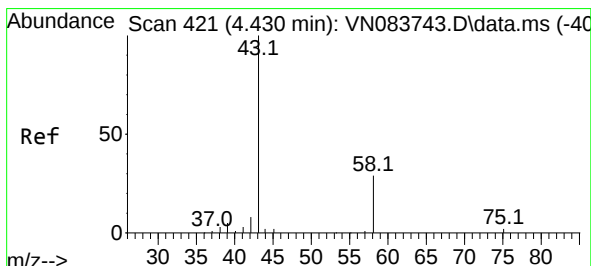
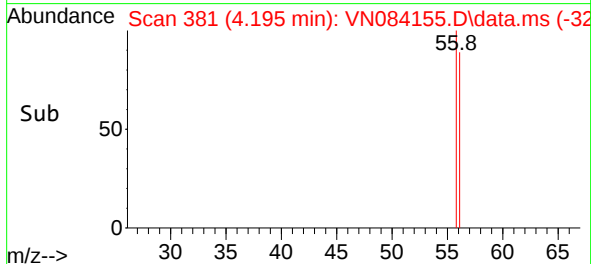
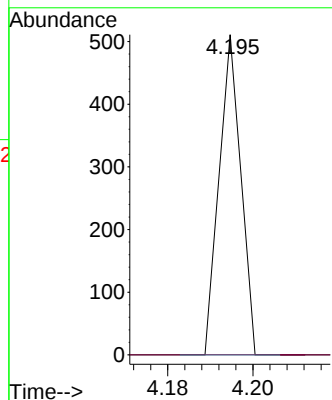


#13
Acrolein
Concen: 0.543 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.024 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

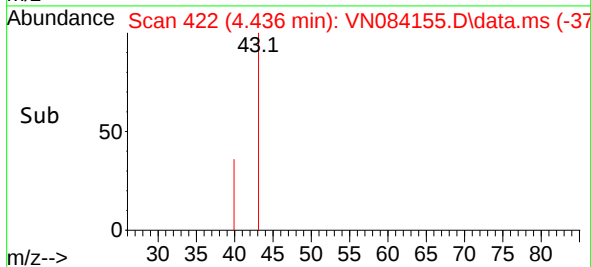
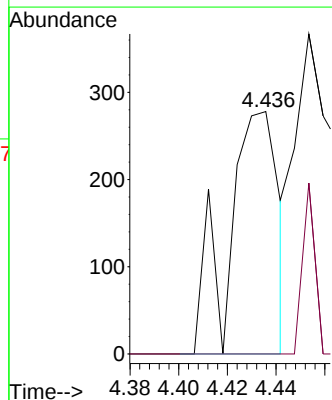
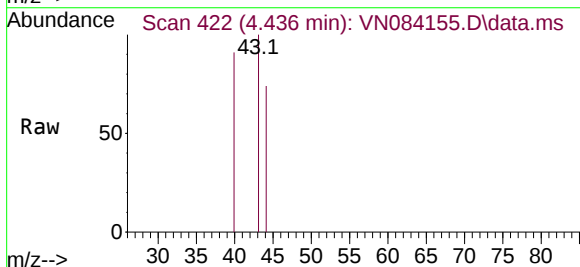


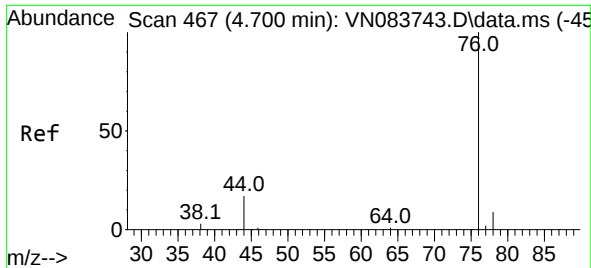
Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#16
Acetone
Concen: 0.398 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

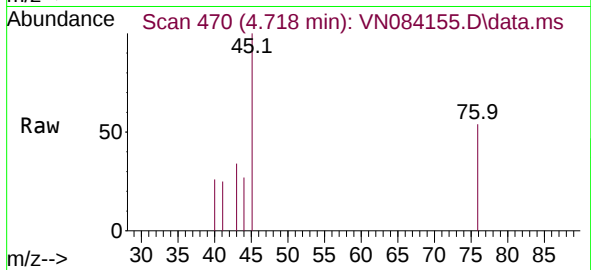
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



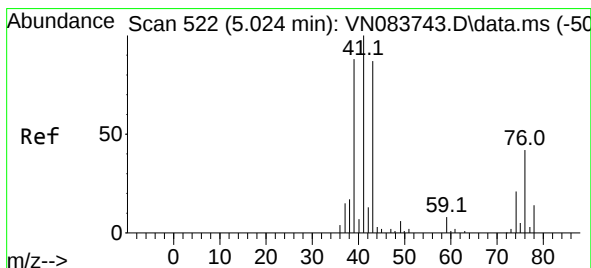
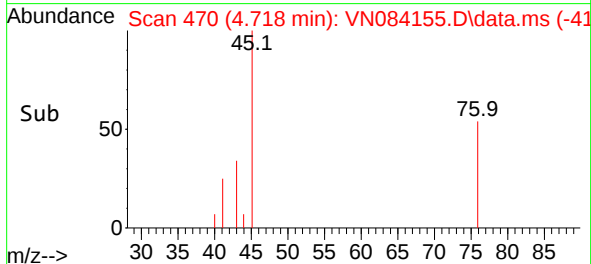
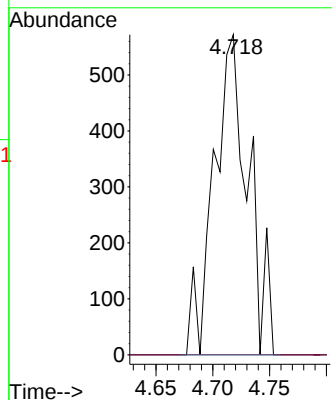


#17
Carbon Disulfide
Concen: 0.239 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

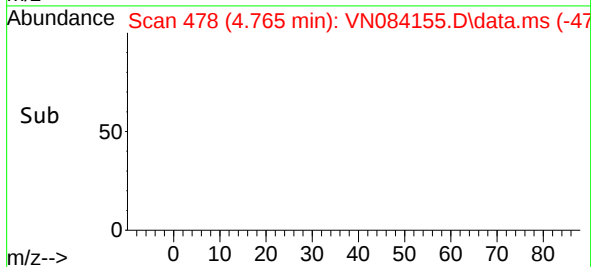
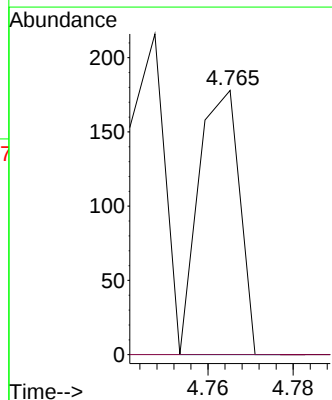
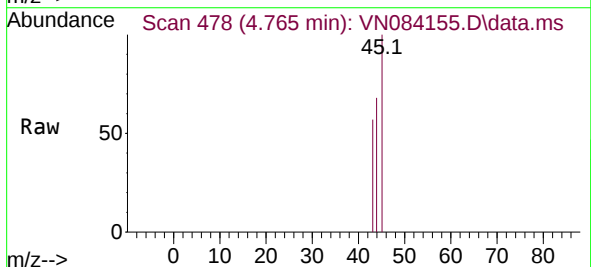


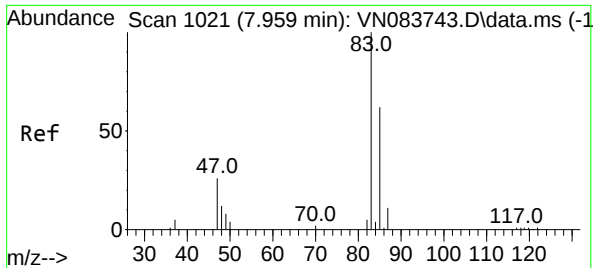
Tgt Ion: 76 Resp: 1204
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.765 min Scan# 478
Delta R.T. -0.259 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#

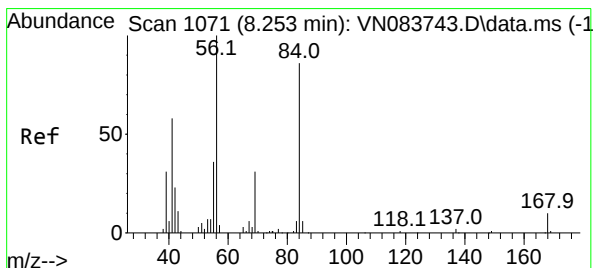
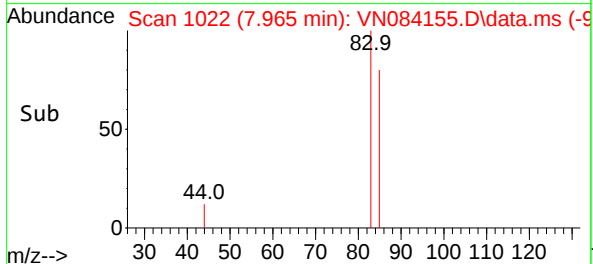
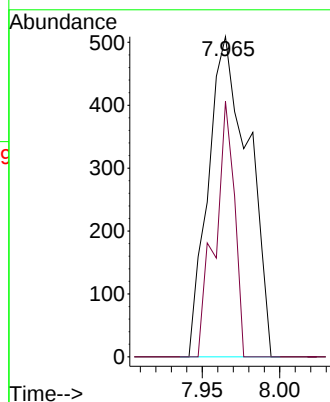
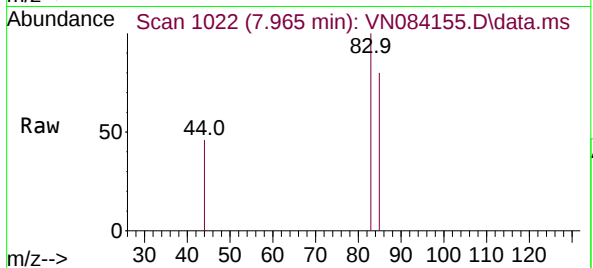




#30
Chloroform
Concen: 0.228 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

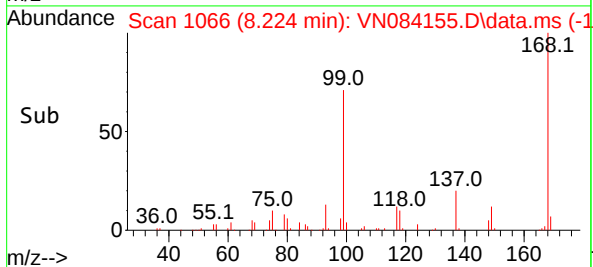
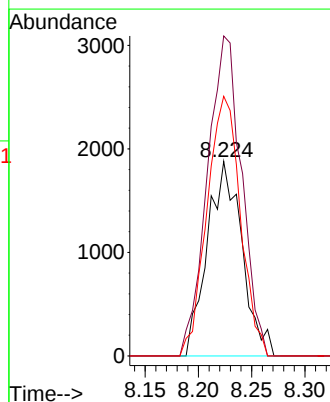
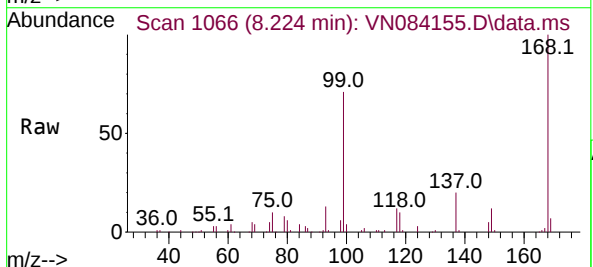
Instrument :
MSVOA_N
ClientSampleId :

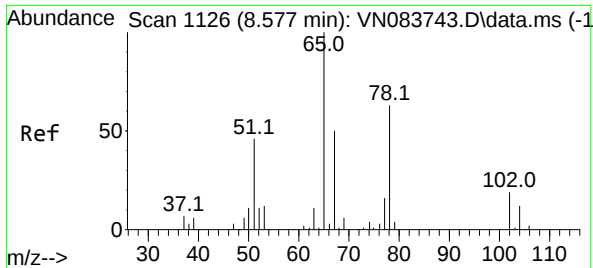
Tgt Ion: 83 Resp: 921
Ion Ratio Lower Upper
83 100
85 79.8 52.8 79.2#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 56 Resp: 4244
Ion Ratio Lower Upper
56 100
69 164.5 26.9 40.3#
84 133.5 69.2 103.8#

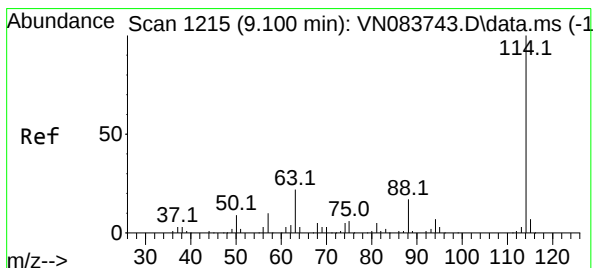
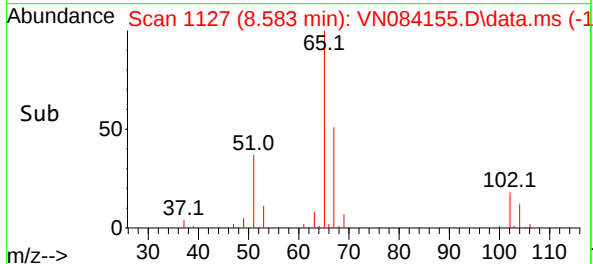
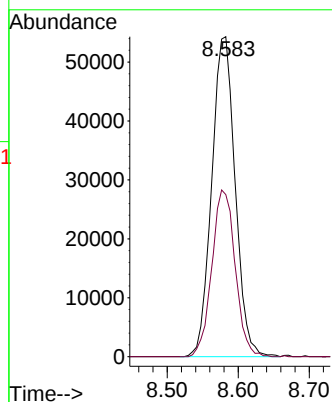
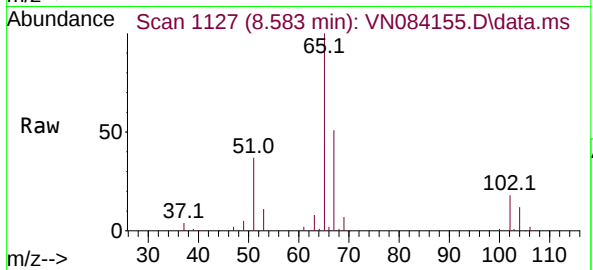




#33
 1,2-Dichloroethane-d4
 Concen: 49.539 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN084155.D
 Acq: 25 Sep 2024 13:23

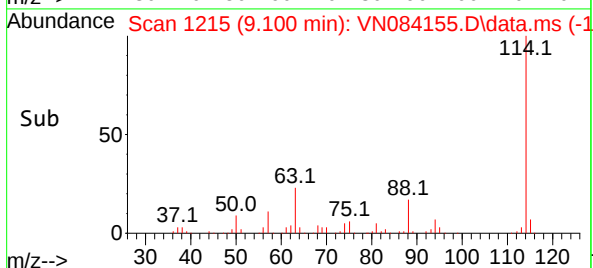
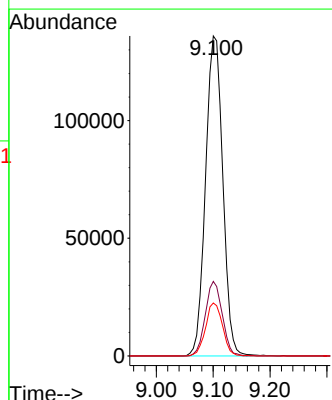
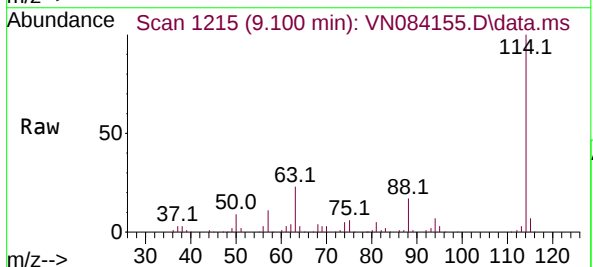
Instrument :
 MSVOA_N
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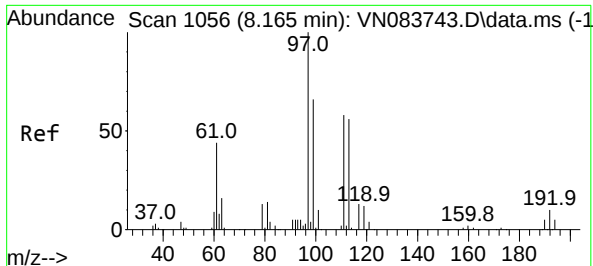
Tgt Ion: 65 Resp: 124291
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084155.D
 Acq: 25 Sep 2024 13:23

Tgt Ion: 114 Resp: 286124
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.4
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.700 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

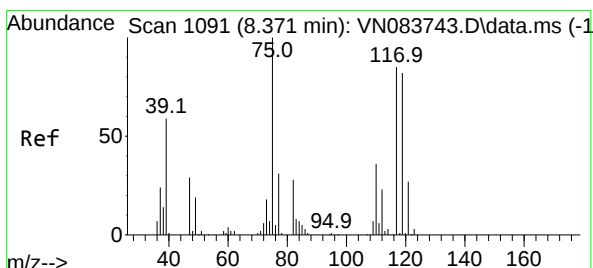
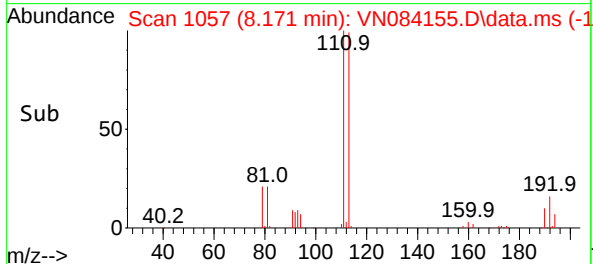
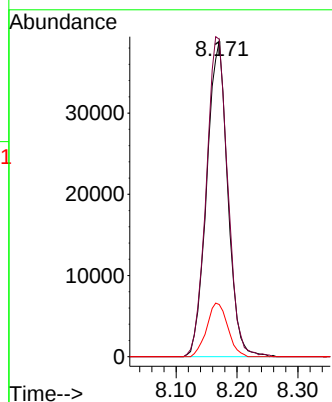
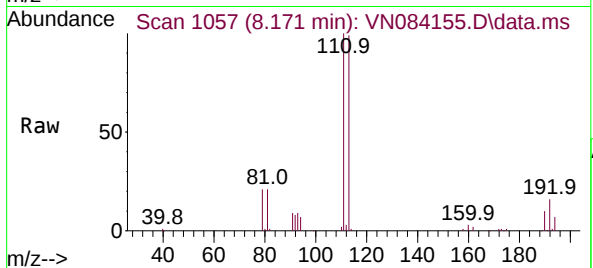
Tgt Ion:113 Resp: 92868

Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 17.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.582 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

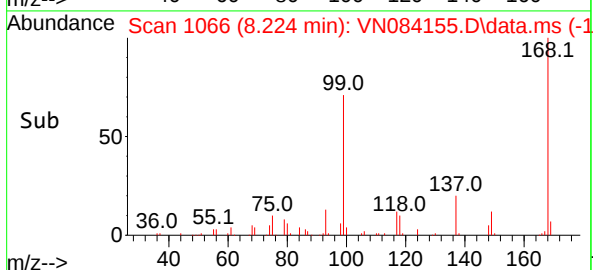
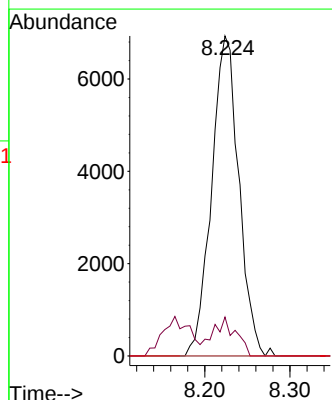
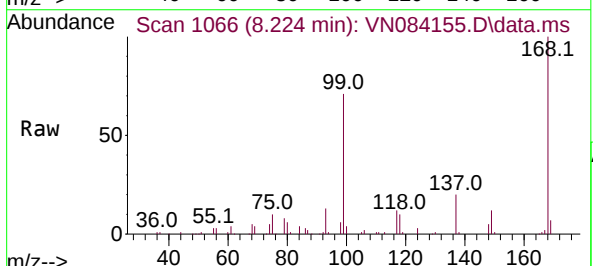
Tgt Ion: 75 Resp: 15391

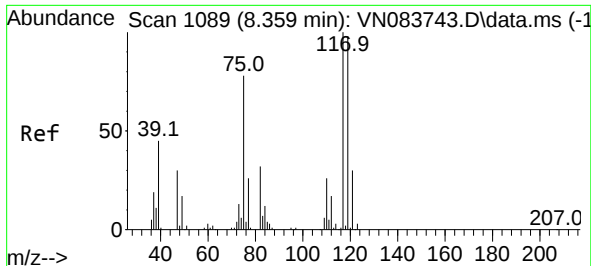
Ion Ratio Lower Upper

75 100

110 10.3 16.7 50.1#

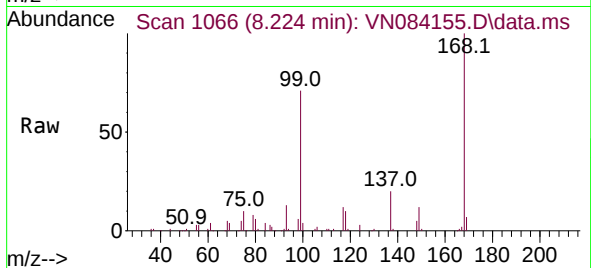
77 0.0 25.2 37.8#



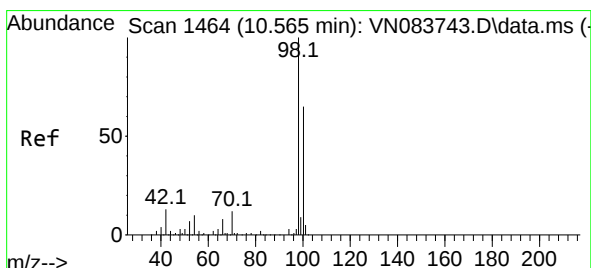
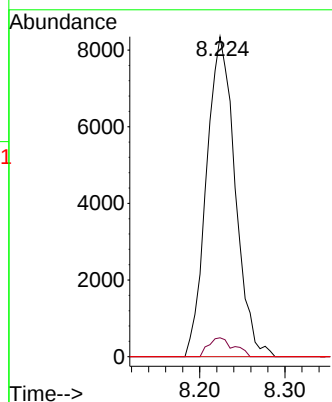
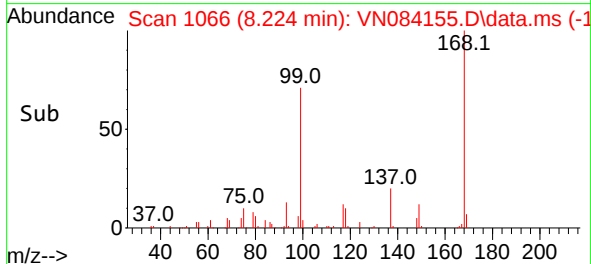


#38
Carbon Tetrachloride
Concen: 6.227 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

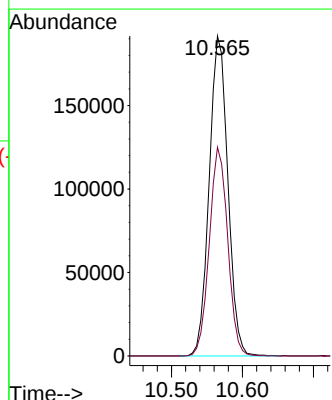
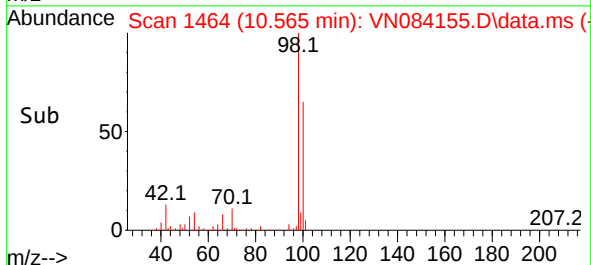
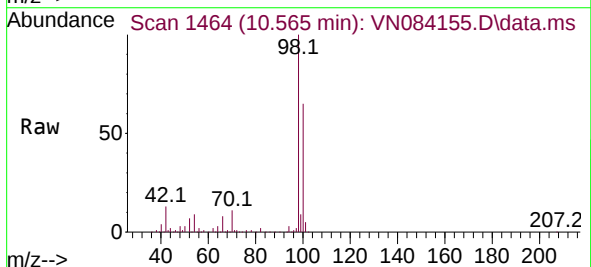


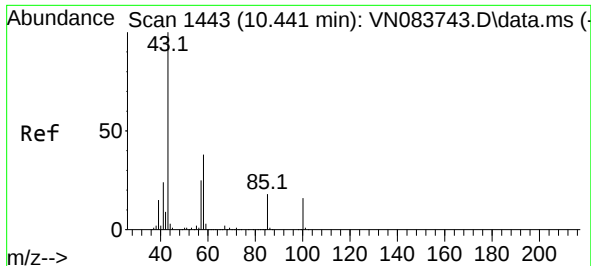
Tgt Ion:117 Resp: 19478
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 55.231 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 98 Resp: 349747
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

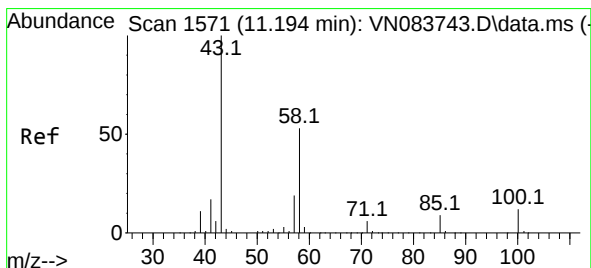
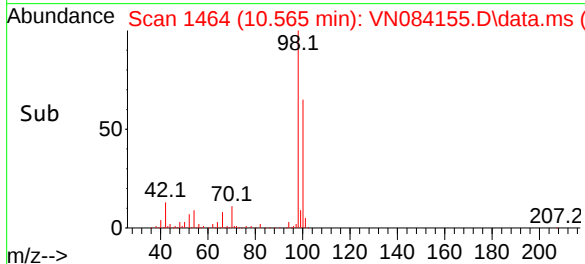
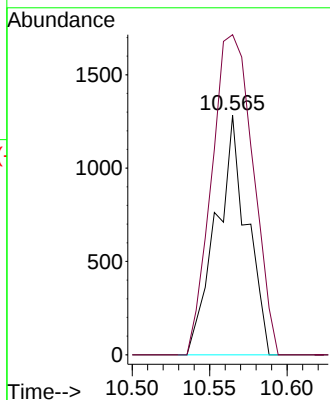
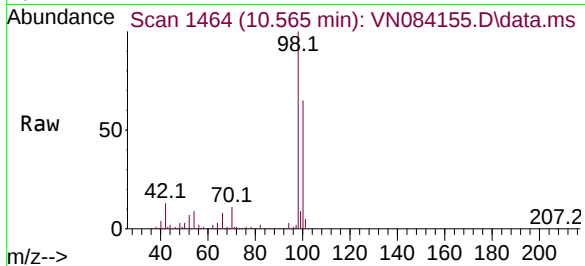




#51
4-Methyl-2-Pentanone
Concen: 0.718 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

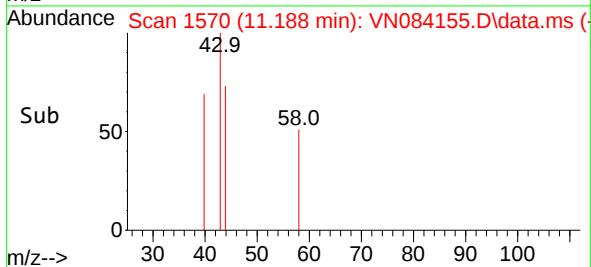
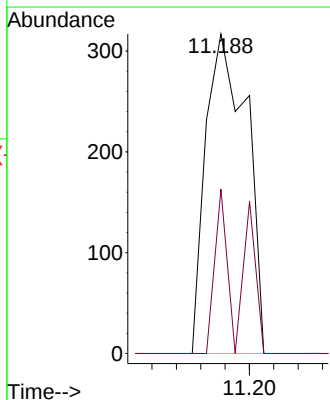
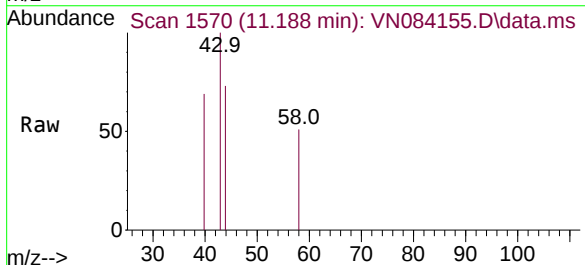
Instrument :
MSVOA_N
ClientSampleId :

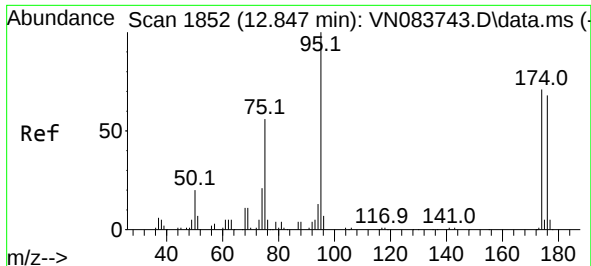
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
58 179.6 31.6 47.4#



#59
2-Hexanone
Concen: 0.202 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
58 30.1 27.2 81.5

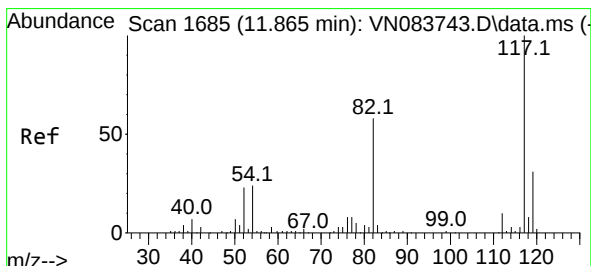
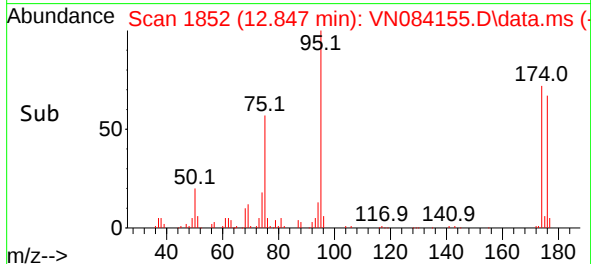
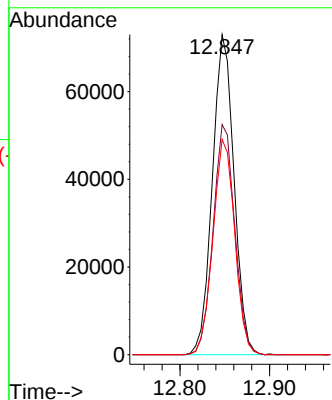
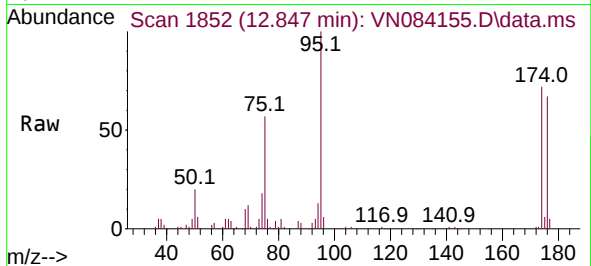




#62
4-Bromofluorobenzene
Concen: 46.720 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

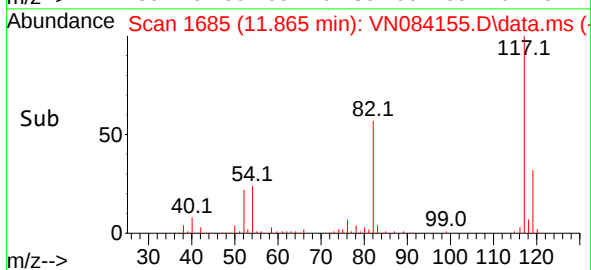
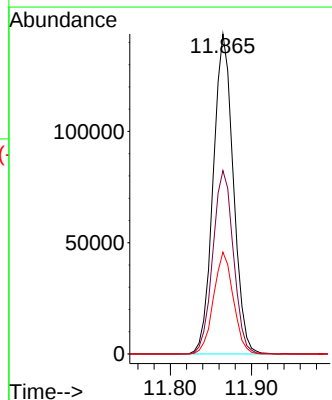
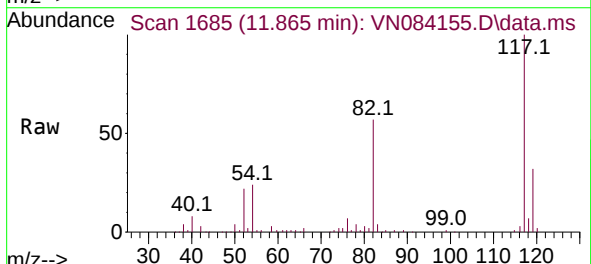
Instrument :
MSVOA_N
ClientSampleId :

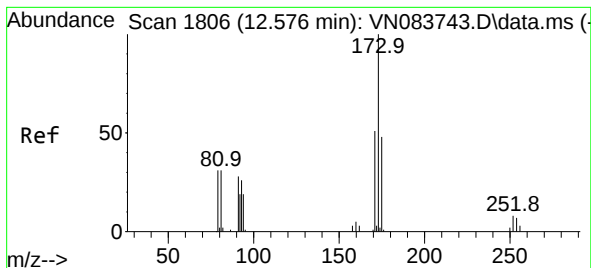
Tgt Ion: 95 Resp: 122060
Ion Ratio Lower Upper
95 100
174 72.1 0.0 139.8
176 67.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 117 Resp: 247589
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.0
119 31.8 26.3 39.5





#71

Bromoform

Concen: 0.807 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

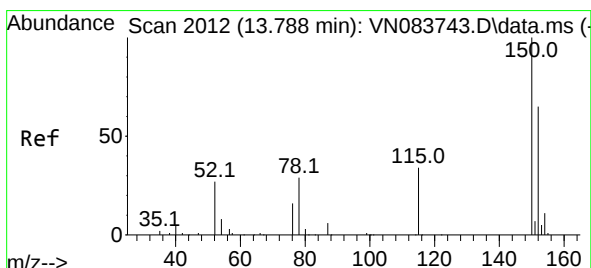
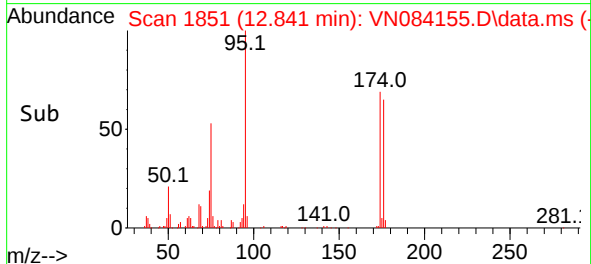
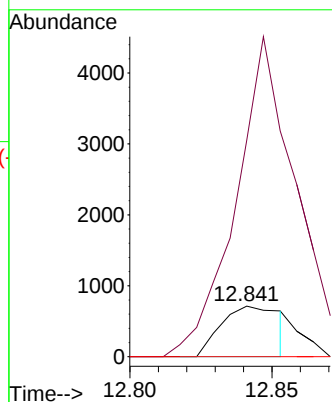
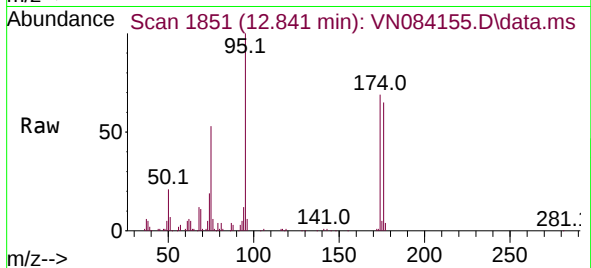
Tgt Ion:173 Resp: 1037

Ion Ratio Lower Upper

173 100

175 478.4 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

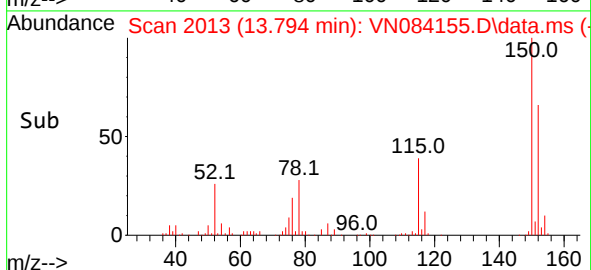
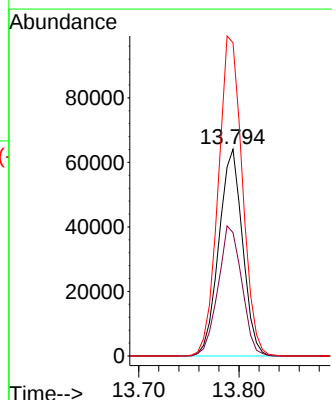
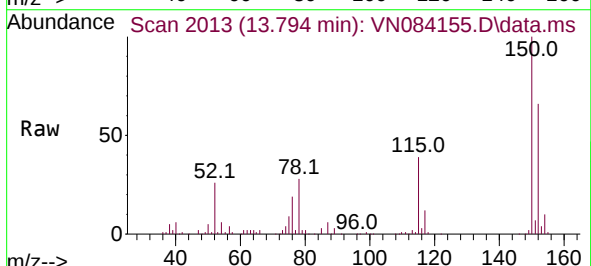
Tgt Ion:152 Resp: 104875

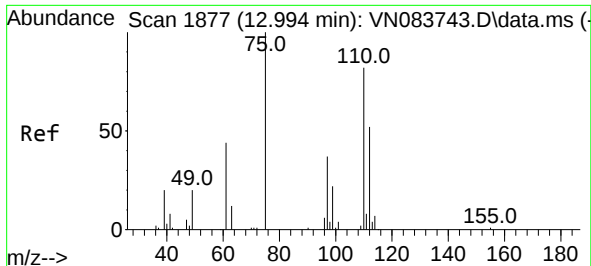
Ion Ratio Lower Upper

152 100

115 63.2 32.2 96.6

150 157.7 0.0 348.6

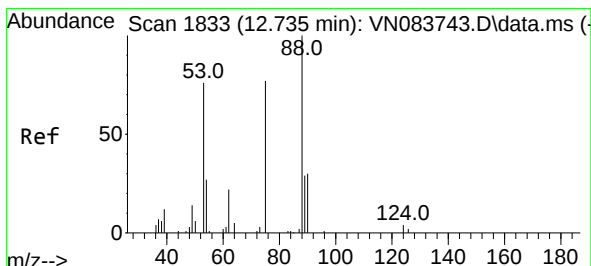
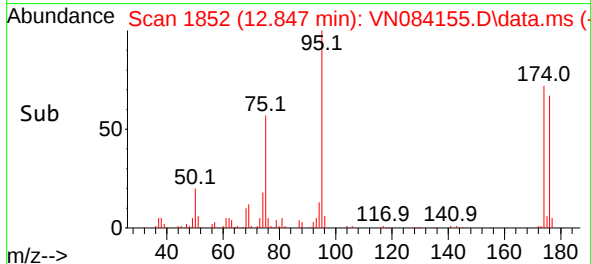
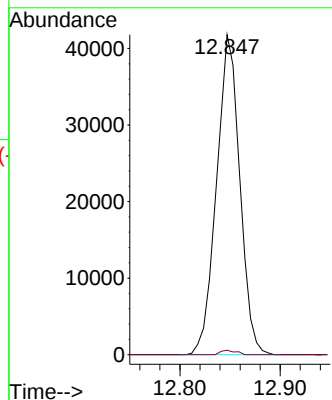
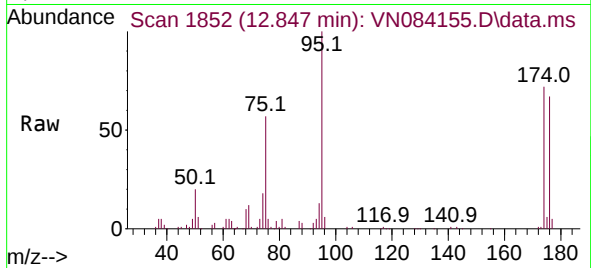




#76
1,2,3-Trichloropropane
Concen: 31.762 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

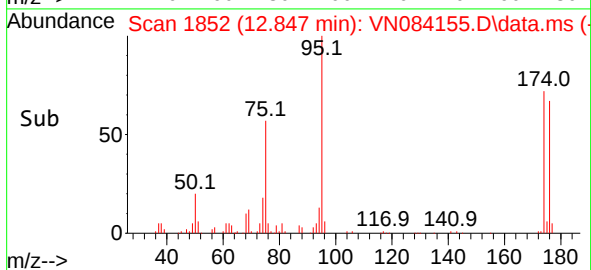
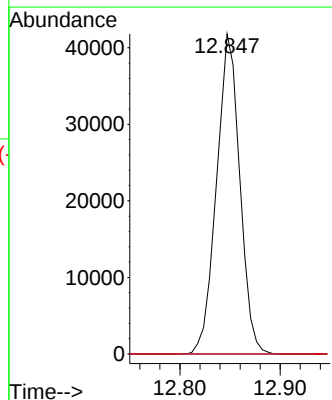
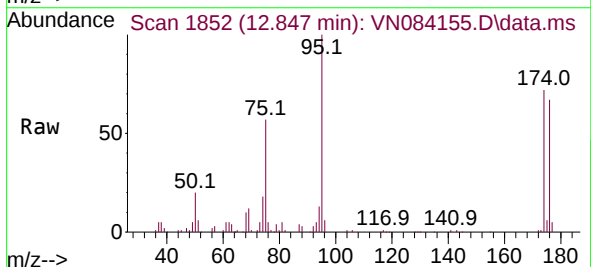
Instrument :
MSVOA_N
ClientSampleId :

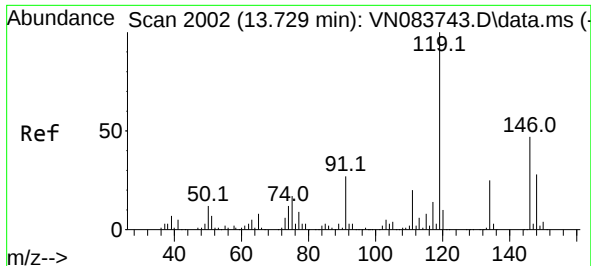
Tgt Ion: 75 Resp: 67213
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.186 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 75 Resp: 67213
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#87

1,3-Dichlorobenzene

Concen: 0.264 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

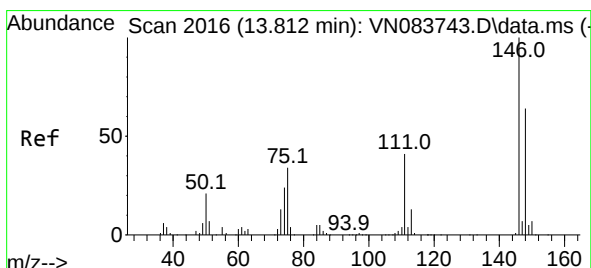
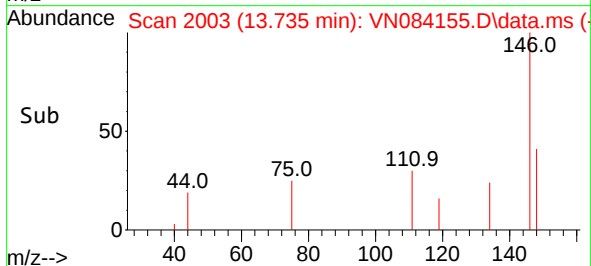
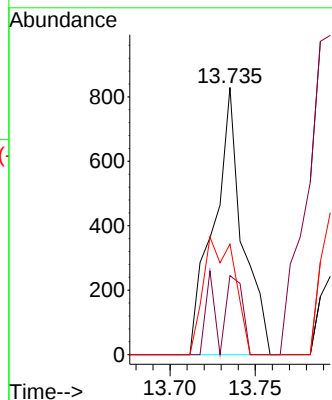
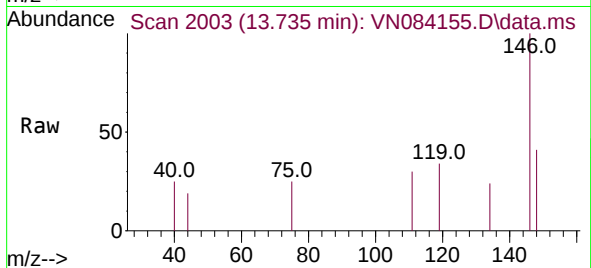
Tgt Ion:146 Resp: 974

Ion Ratio Lower Upper

146 100

111 16.8 21.7 65.1#

148 0.0 31.7 95.1#



#88

1,4-Dichlorobenzene

Concen: 0.321 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

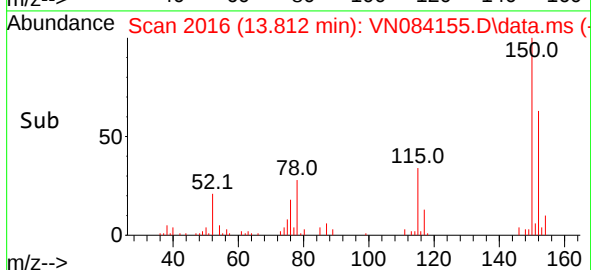
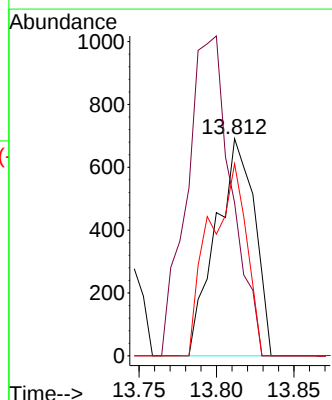
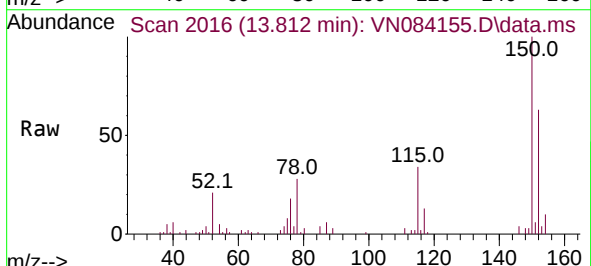
Tgt Ion:146 Resp: 1197

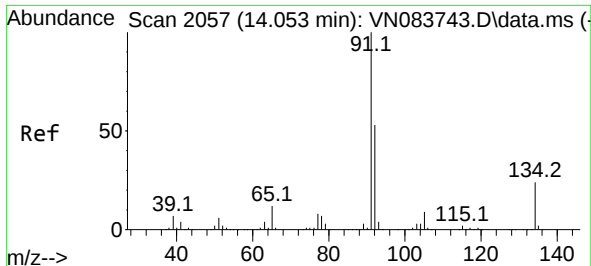
Ion Ratio Lower Upper

146 100

111 169.6 21.3 64.0#

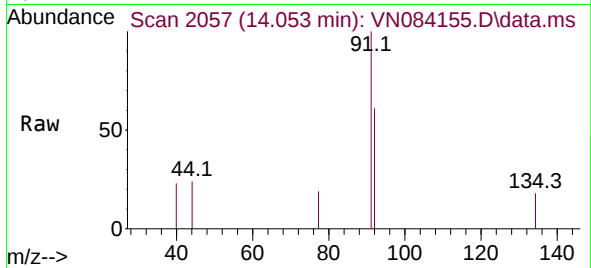
148 83.9 32.0 96.2





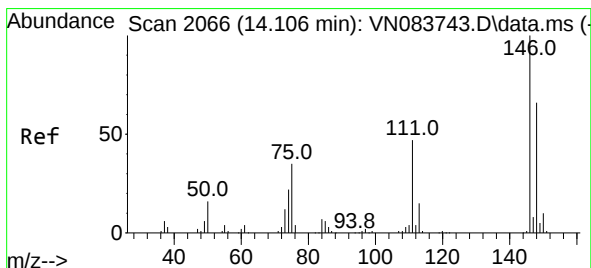
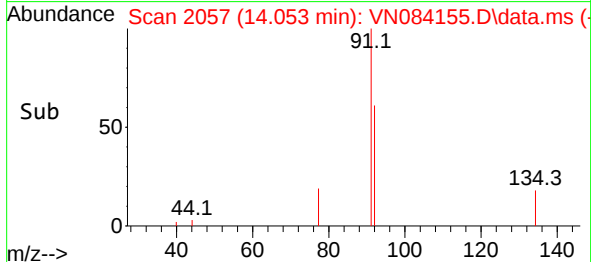
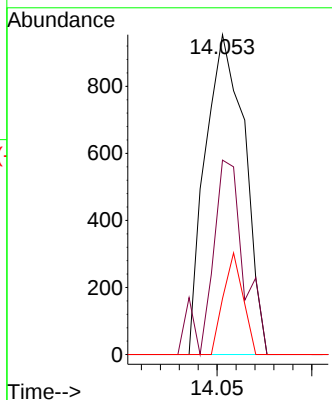
#89
n-Butylbenzene
Concen: 0.230 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 91 Resp: 1376

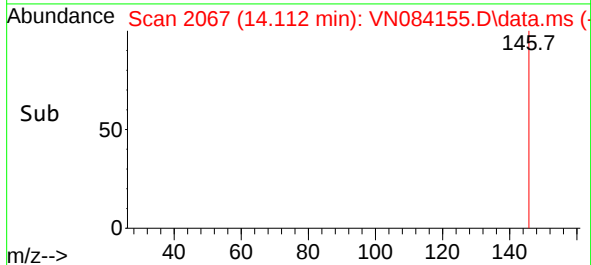
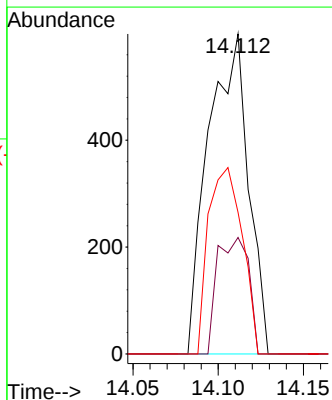
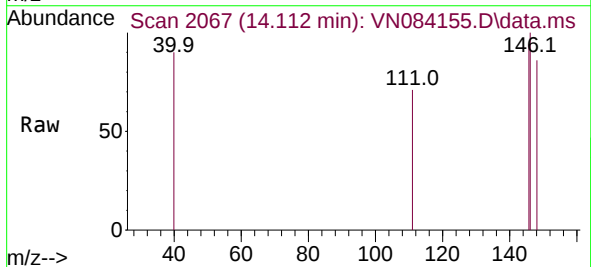
Ion	Ratio	Lower	Upper
91	100		
92	49.8	26.7	80.1
134	15.9	12.2	36.4

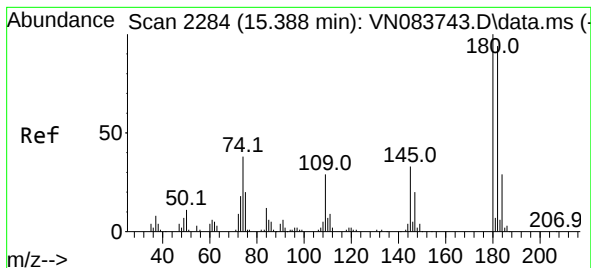


#91
1,2-Dichlorobenzene
Concen: 0.274 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion: 146 Resp: 976

Ion	Ratio	Lower	Upper
146	100		
111	28.6	22.8	68.3
148	49.4	32.1	96.5





#93

1,2,4-Trichlorobenzene

Concen: 0.555 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.006 min

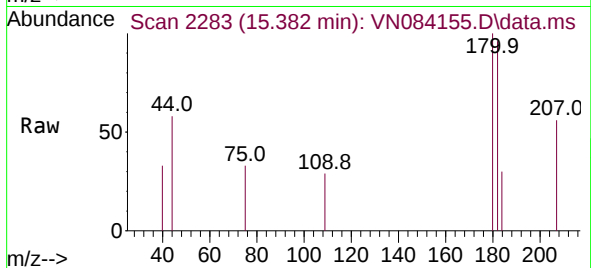
Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :



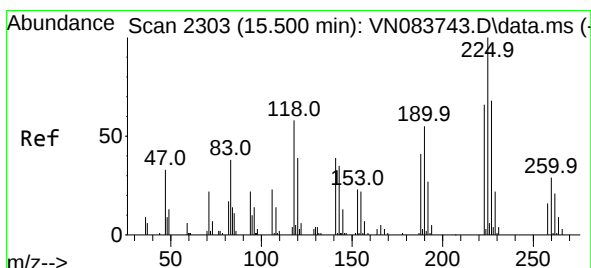
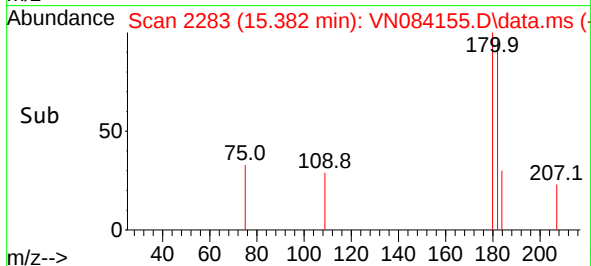
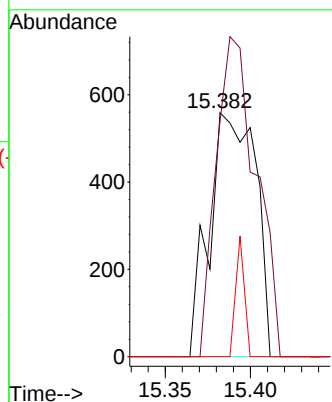
Tgt Ion:180 Resp: 1059

Ion Ratio Lower Upper

180 100

182 113.0 48.1 144.3

145 9.2 16.9 50.7#



#94

Hexachlorobutadiene

Concen: 0.348 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN084155.D

Acq: 25 Sep 2024 13:23

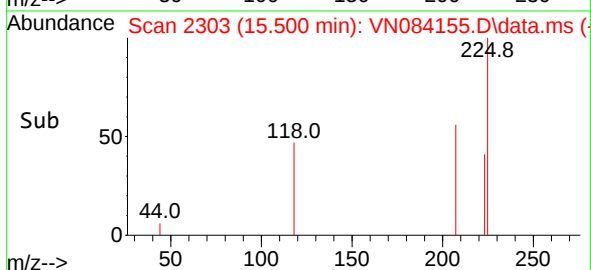
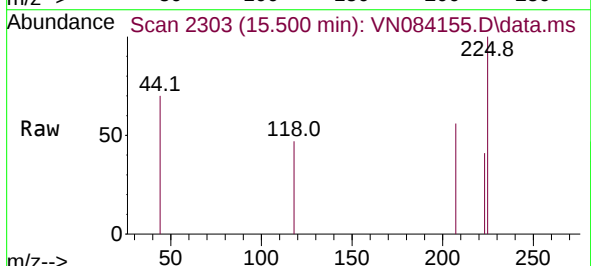
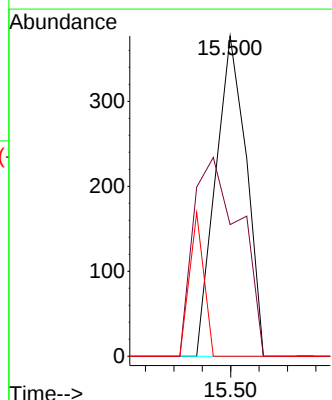
Tgt Ion:225 Resp: 282

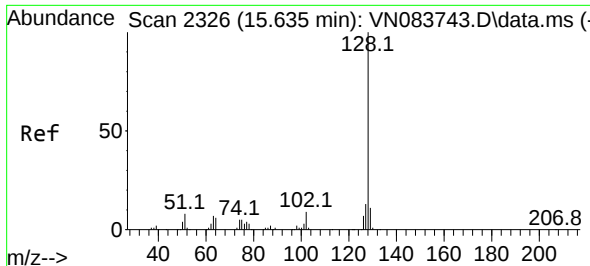
Ion Ratio Lower Upper

225 100

223 94.3 31.9 95.5

227 21.3 32.0 96.2#

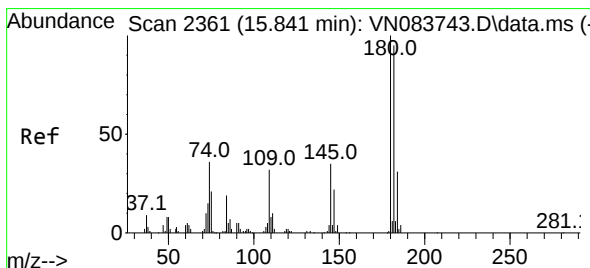
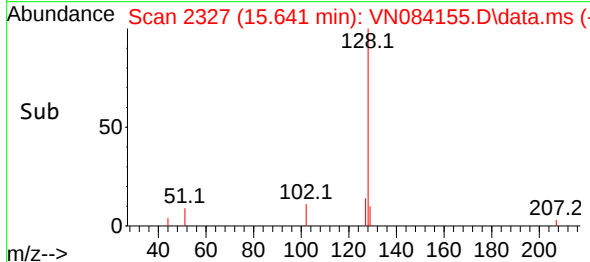
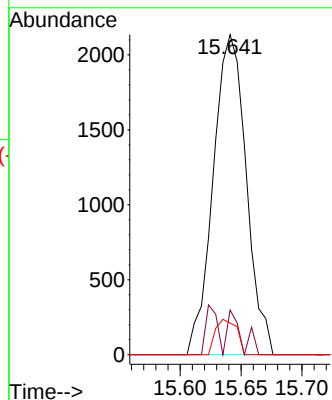
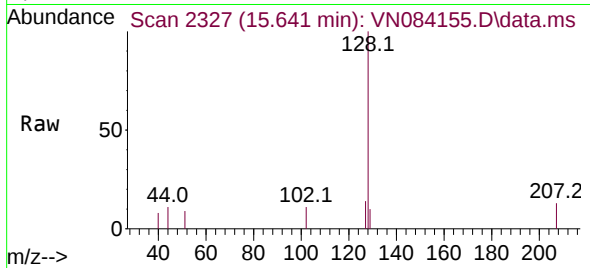




#95
Naphthalene
Concen: 0.695 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4038
Ion Ratio Lower Upper
128 100
127 6.1 10.2 15.2#
129 7.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.570 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN084155.D
Acq: 25 Sep 2024 13:23

Tgt Ion:180 Resp: 1040
Ion Ratio Lower Upper
180 100
182 82.3 47.1 141.4
145 20.1 17.8 53.5

