

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083277.D
 Acq On : 14 Aug 2024 04:52
 Operator : JC\MD
 Sample : P3450-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 07:57:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	131415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115090	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	105428	56.362	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.720%	
35) Dibromofluoromethane	8.171	113	84970	52.708	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.420%	
50) Toluene-d8	10.565	98	317353	52.774	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.540%	
62) 4-Bromofluorobenzene	12.847	95	132522	56.527	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 113.060%	

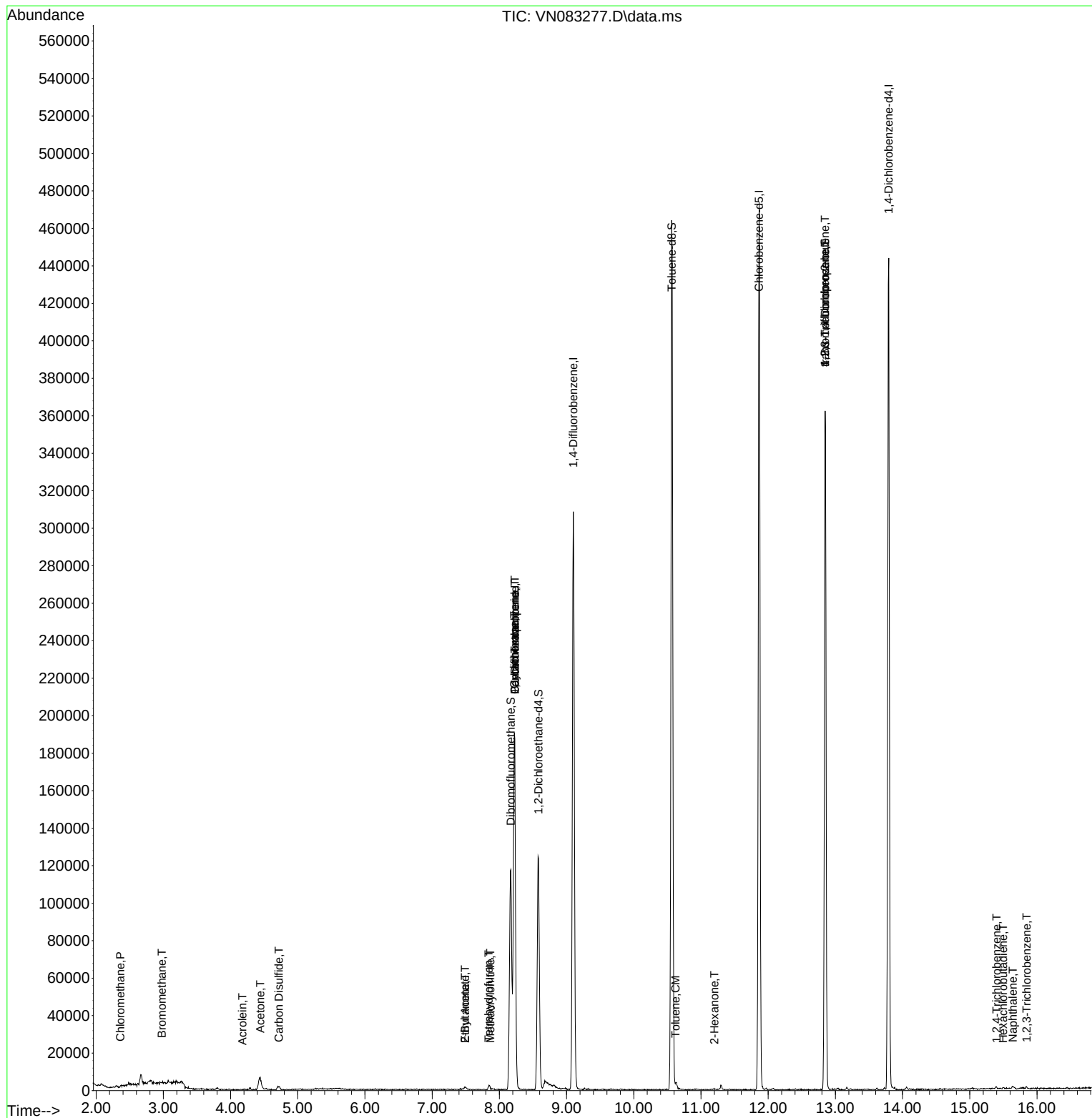
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	684	0.448	ug/l	89
5) Bromomethane	2.977	94	268	0.277	ug/l #	1
13) Acrolein	4.177	56	79	0.312	ug/l	93
16) Acetone	4.441	43	13290	18.157	ug/l	100
17) Carbon Disulfide	4.718	76	2780	0.652	ug/l #	75
25) 2-Butanone	7.488	43	2610	2.322	ug/l	95
29) Tetrahydrofuran	7.841	42	620	0.853	ug/l #	41
31) Cyclohexane	8.224	56	3387	1.222	ug/l #	35
36) 1,1-Dichloropropene	8.229	75	12655	5.189	ug/l #	49
37) Ethyl Acetate	7.488	43	2610	0.956	ug/l #	82
38) Carbon Tetrachloride	8.229	117	15575	5.670	ug/l #	17
41) Methacrylonitrile	7.865	41	810	0.522	ug/l #	44
43) Isopropyl Acetate	8.700	43	5669	Below Cal	#	60
52) Toluene	10.623	92	1536	0.335	ug/l	95
59) 2-Hexanone	11.200	43	600	0.300	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	72740	28.797	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72740	62.641	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.400	180	443	0.203	ug/l #	84
94) Hexachlorobutadiene	15.494	225	262	0.270	ug/l #	63
95) Naphthalene	15.641	128	2204	0.285	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.847	180	537	0.249	ug/l #	74

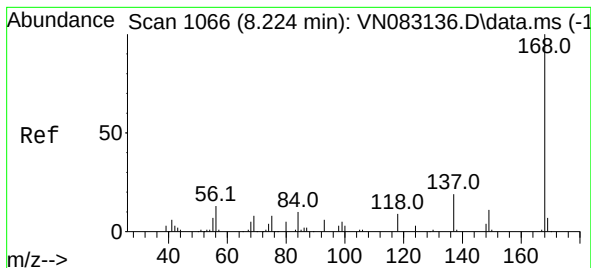
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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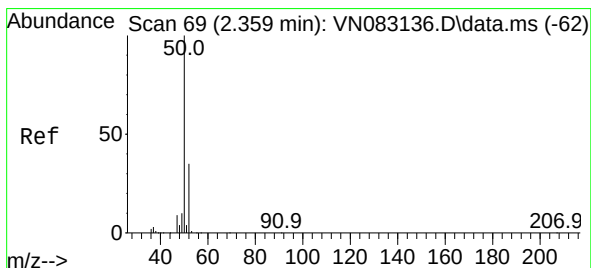
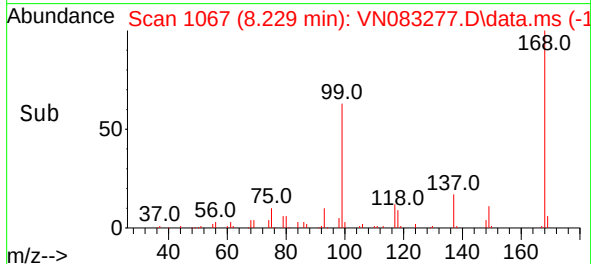
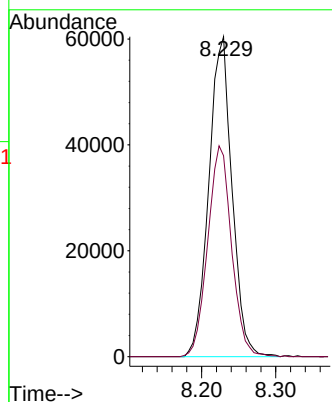
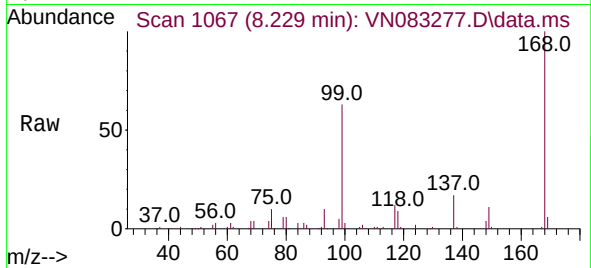




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

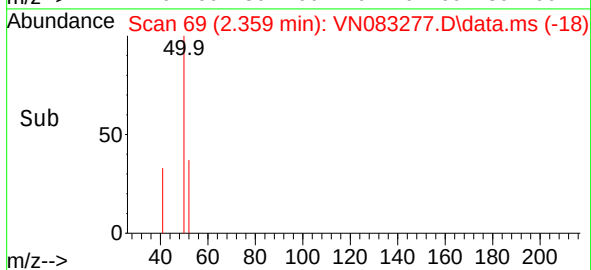
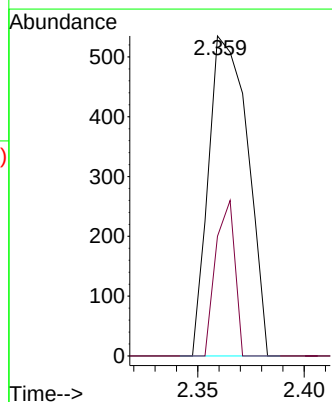
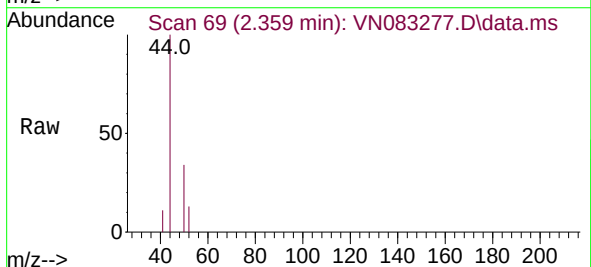
Instrument :
MSVOA_N
ClientSampleId :

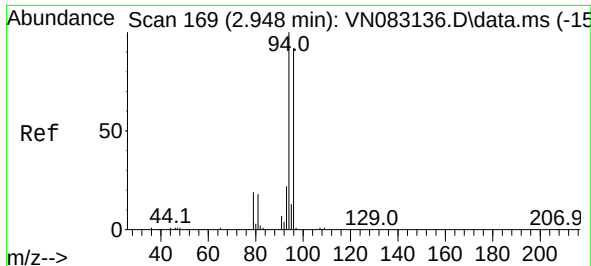
Tgt Ion:168 Resp: 131415
Ion Ratio Lower Upper
168 100
99 62.8 48.2 72.4



#3
Chloromethane
Concen: 0.448 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

Tgt Ion: 50 Resp: 684
Ion Ratio Lower Upper
50 100
52 37.4 25.0 37.4

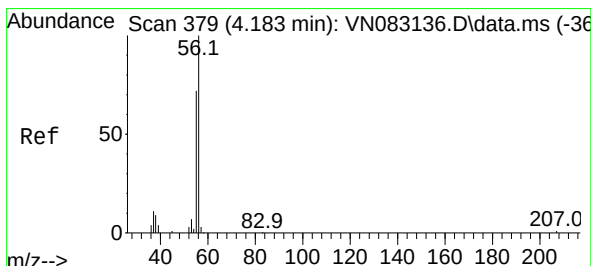
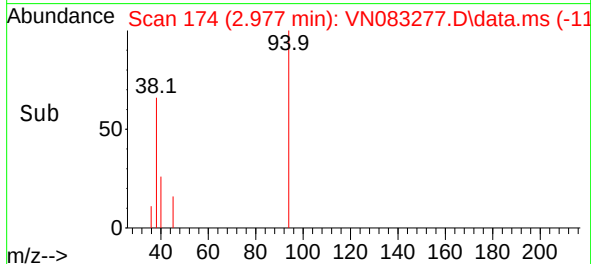
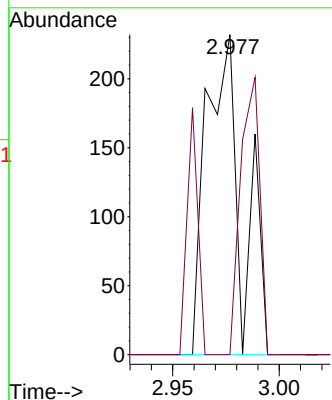
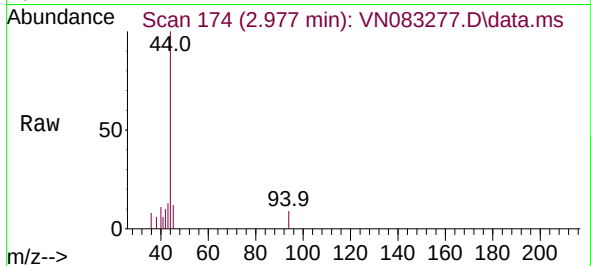




#5
Bromomethane
Concen: 0.277 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

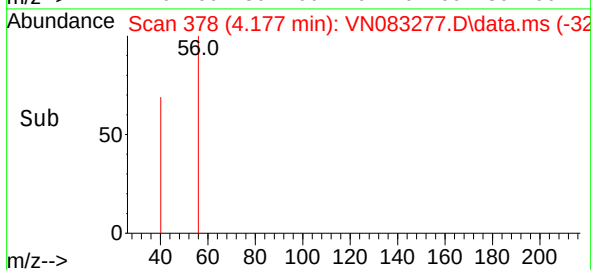
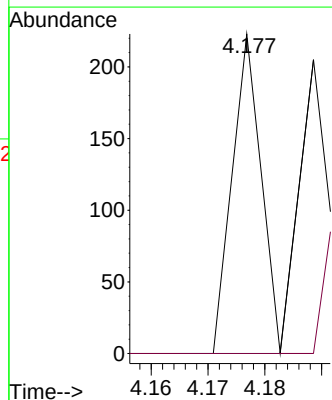
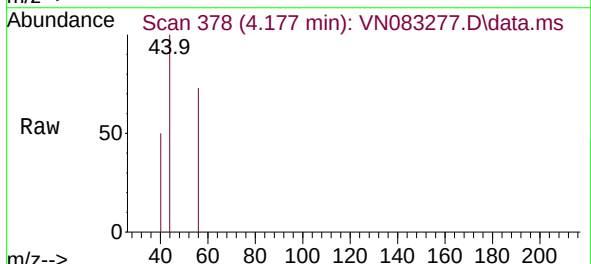
Instrument :
MSVOA_N
ClientSampleId :

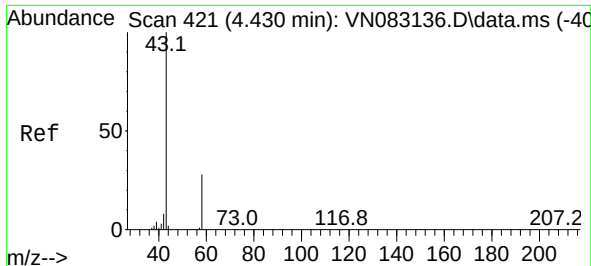
Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



#13
Acrolein
Concen: 0.312 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

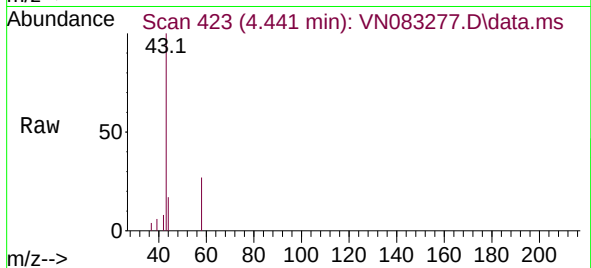
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 75.9 56.4 84.6



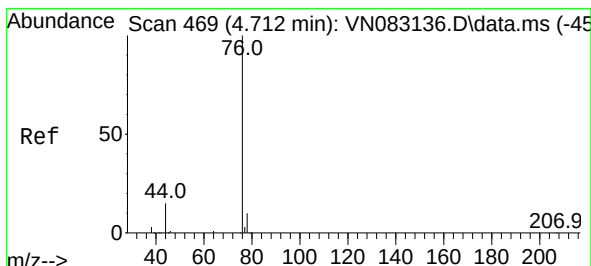
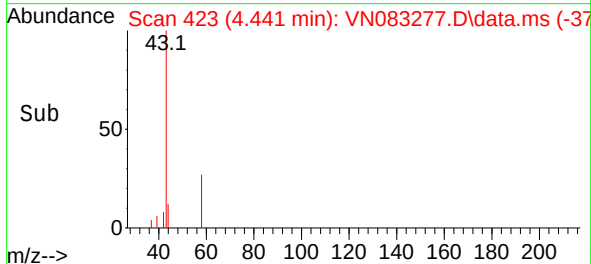
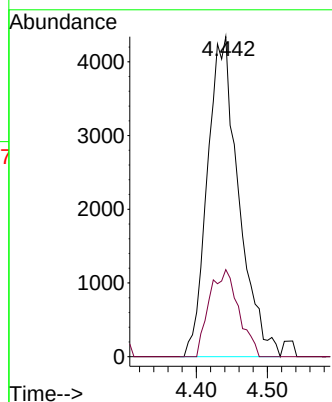


#16
Acetone
Concen: 18.157 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

Instrument :
MSVOA_N
ClientSampleId :

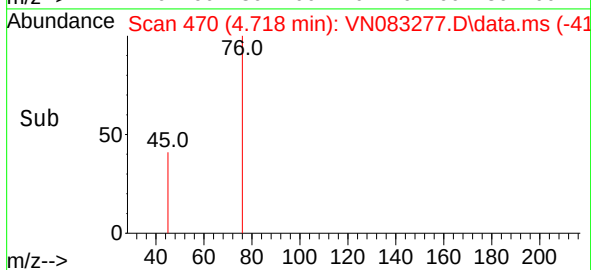
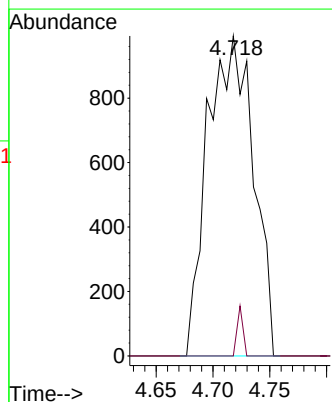
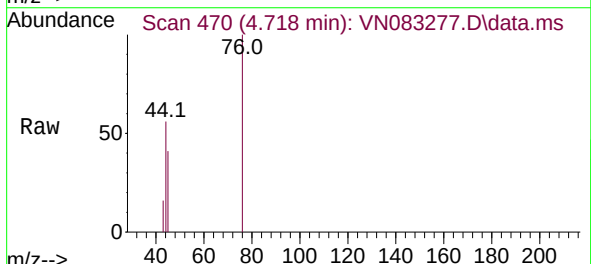


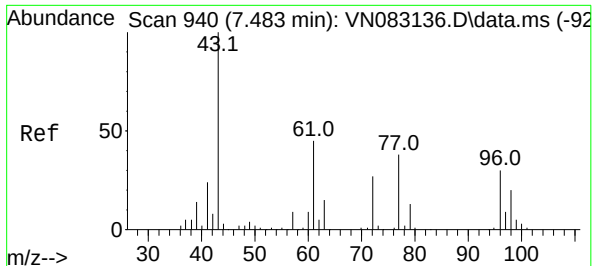
Tgt Ion: 43 Resp: 13290
Ion Ratio Lower Upper
43 100
58 27.2 21.8 32.6



#17
Carbon Disulfide
Concen: 0.652 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

Tgt Ion: 76 Resp: 2780
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#25

2-Butanone

Concen: 2.322 ug/l

RT: 7.488 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

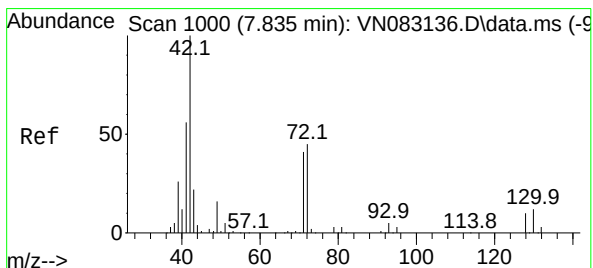
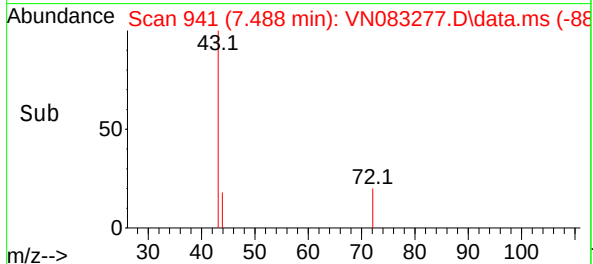
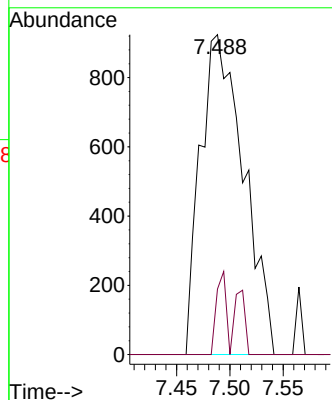
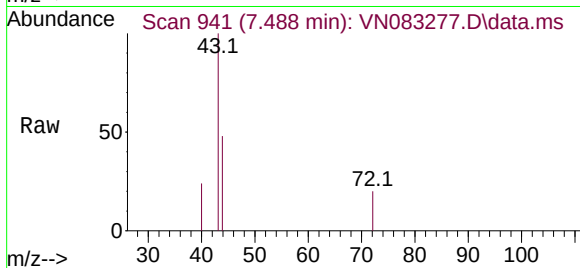
ClientSampleId :

Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

43 100

72 20.5 18.2 27.2



#29

Tetrahydrofuran

Concen: 0.853 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

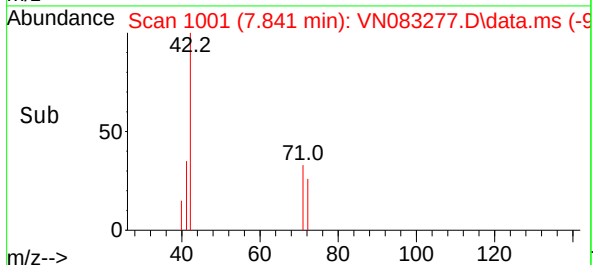
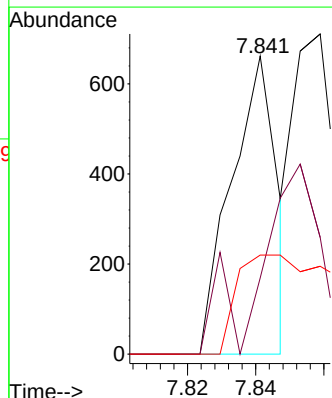
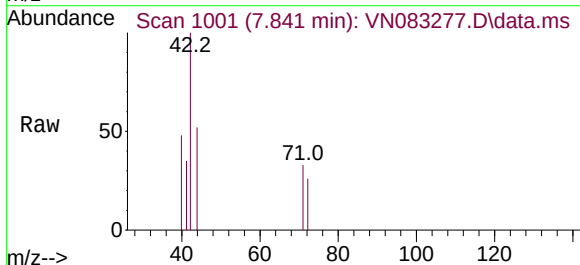
Tgt Ion: 42 Resp: 620

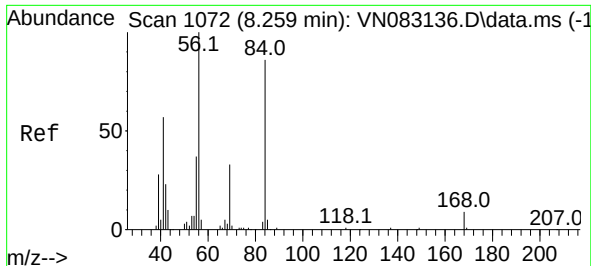
Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

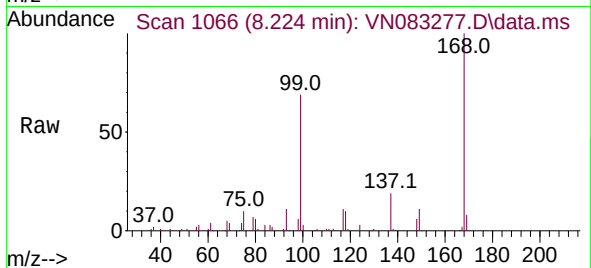
71 67.4 28.3 42.5#



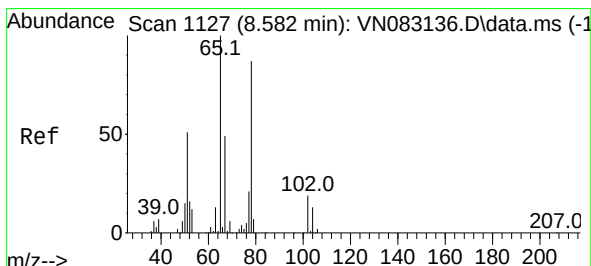
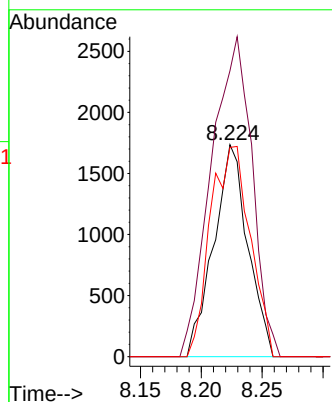
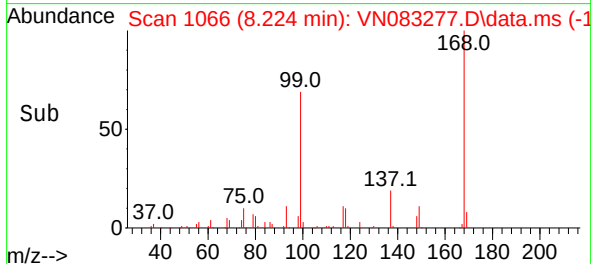


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

Instrument :
MSVOA_N
ClientSampleId :

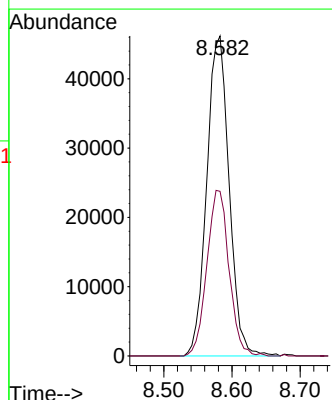
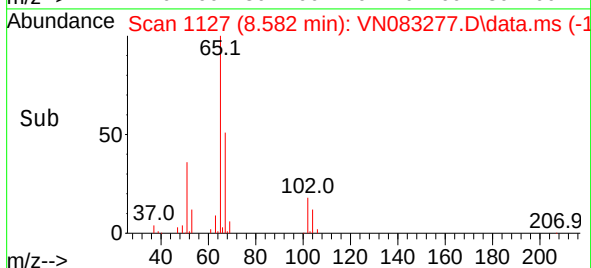
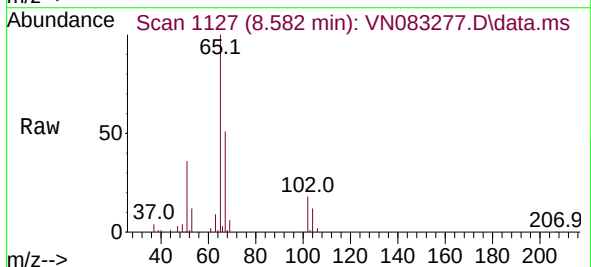


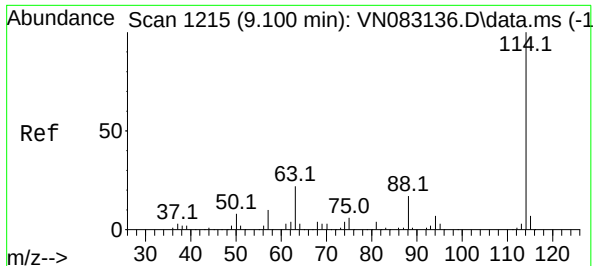
Tgt Ion: 56 Resp: 3387
Ion Ratio Lower Upper
56 100
69 134.9 24.5 36.7#
84 98.7 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 56.362 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

Tgt Ion: 65 Resp: 105428
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min MSVOA_N

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :

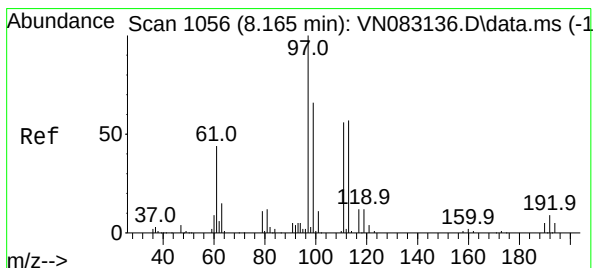
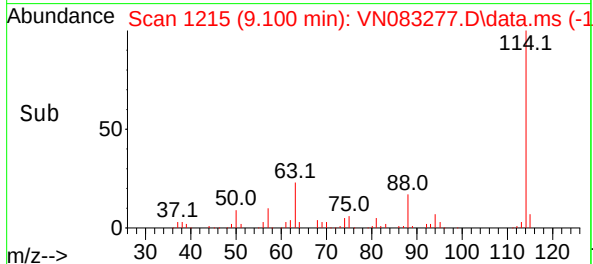
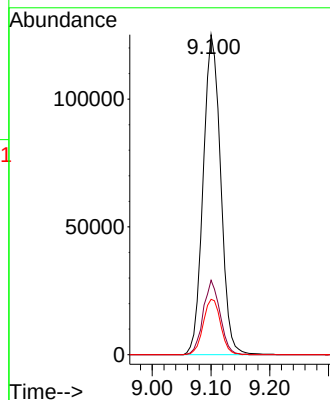
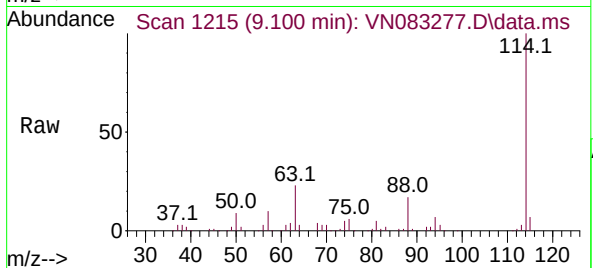
Tgt Ion:114 Resp: 258273

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 17.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.708 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

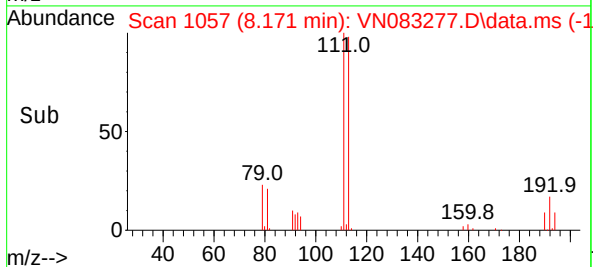
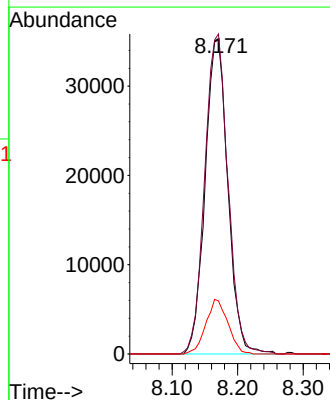
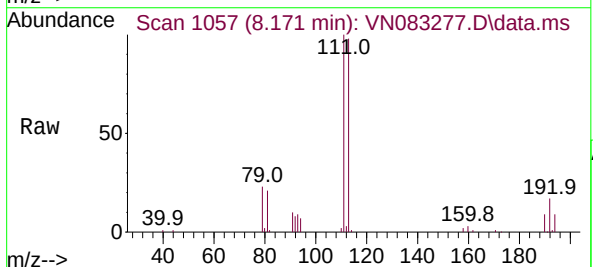
Tgt Ion:113 Resp: 84970

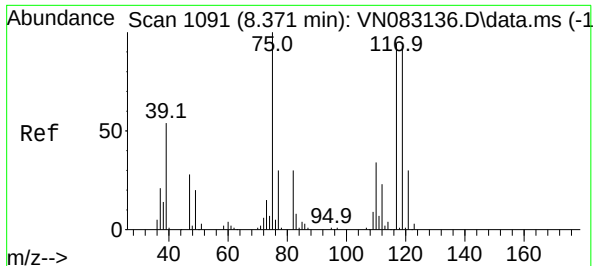
Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

192 16.8 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.141 min

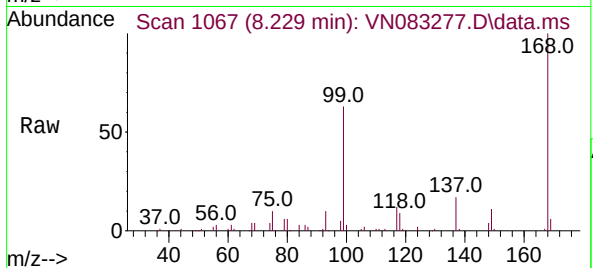
Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

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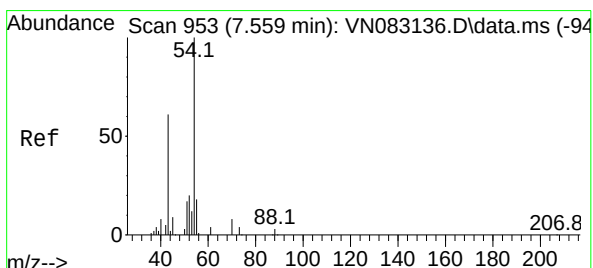
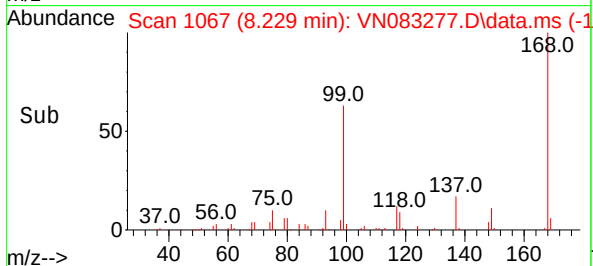
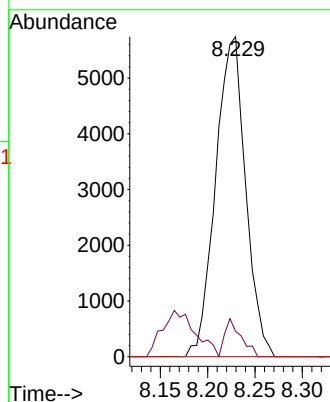
Tgt Ion: 75 Resp: 12655

Ion Ratio Lower Upper

75 100

110 6.4 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.956 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

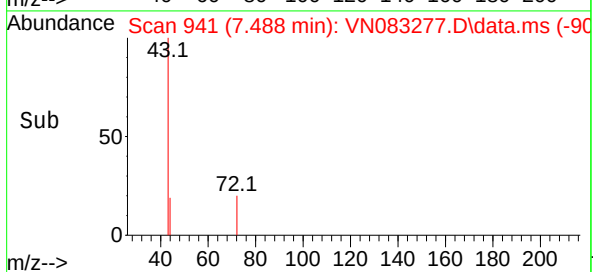
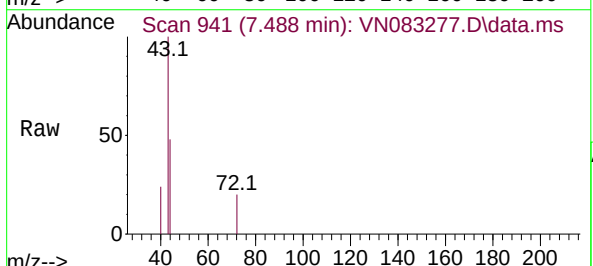
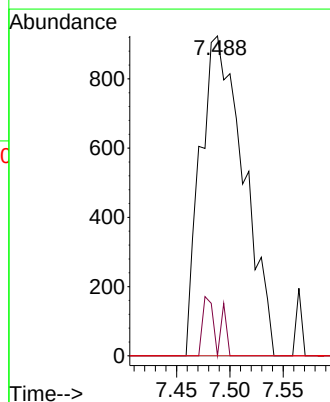
Tgt Ion: 43 Resp: 2610

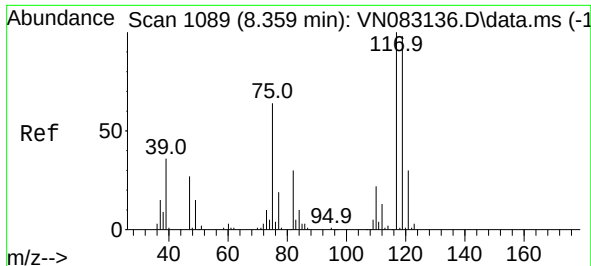
Ion Ratio Lower Upper

43 100

61 6.4 9.3 13.9#

70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.670 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.129 min

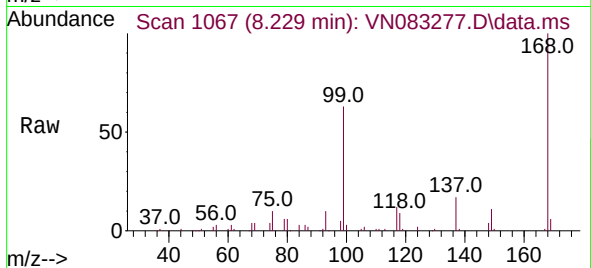
Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :



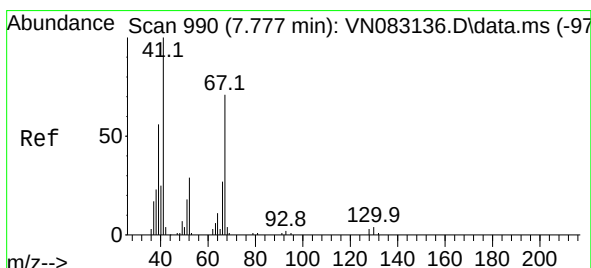
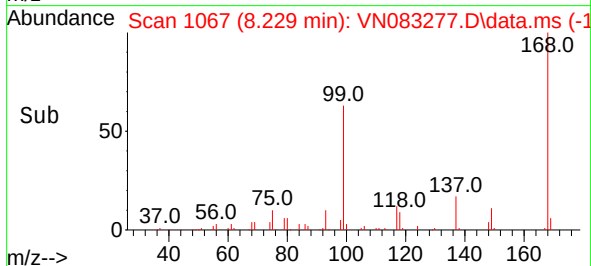
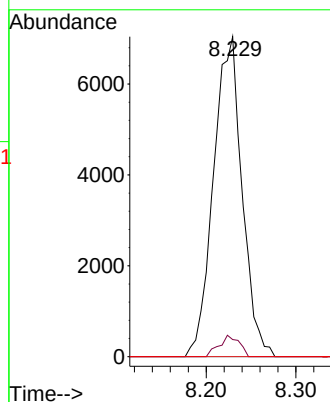
Tgt Ion:117 Resp: 15575

Ion Ratio Lower Upper

117 100

119 5.4 74.9 112.3#

121 0.0 24.3 36.5#



#41

Methacrylonitrile

Concen: 0.522 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.088 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Tgt Ion: 41 Resp: 810

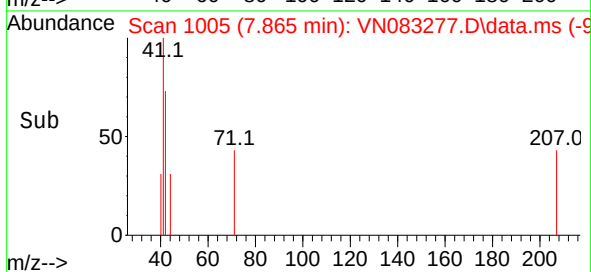
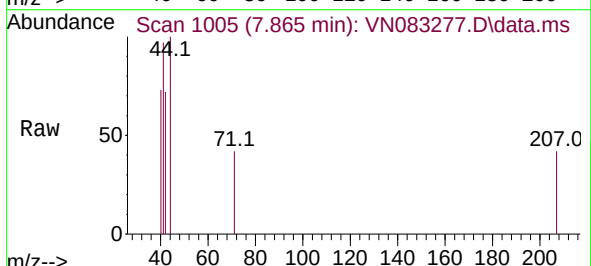
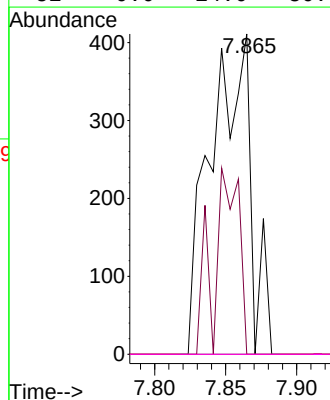
Ion Ratio Lower Upper

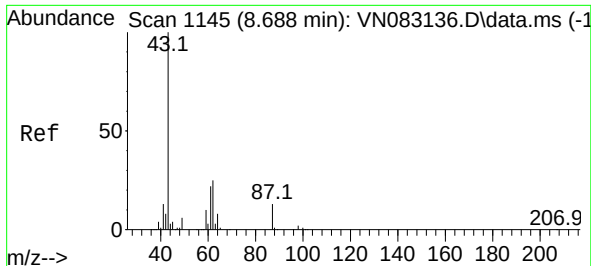
41 100

39 36.7 45.5 68.3#

67 0.0 50.5 75.7#

52 0.0 24.0 36.0#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.700 min Scan# 1145

Delta R.T. 0.012 min

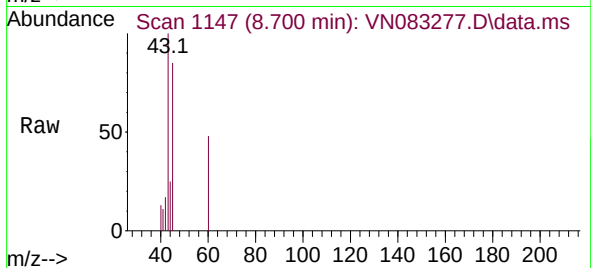
Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :



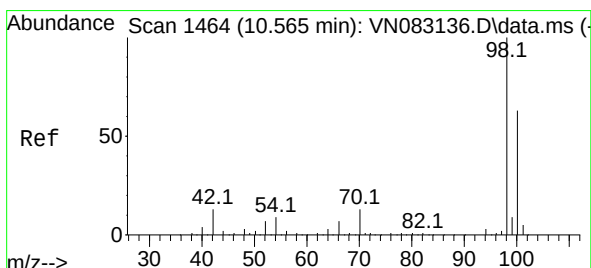
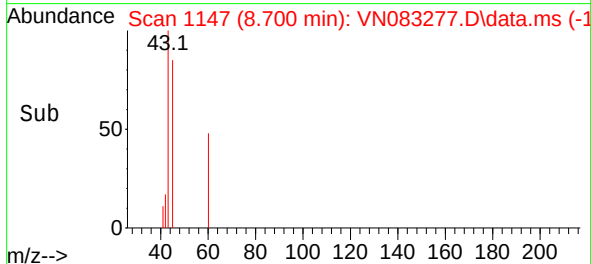
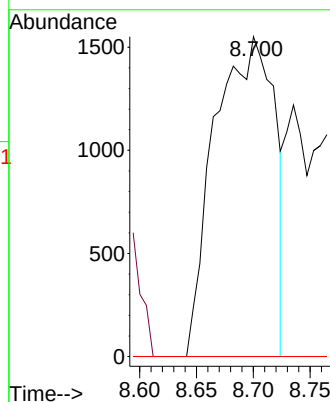
Tgt Ion: 43 Resp: 5669

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#



#50

Toluene-d8

Concen: 52.774 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083277.D

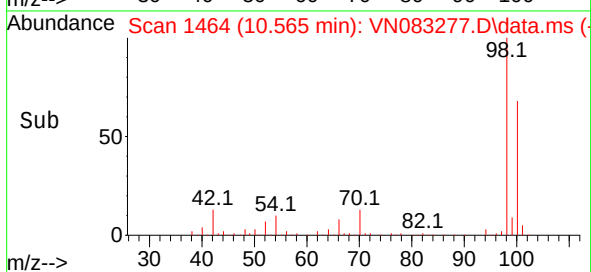
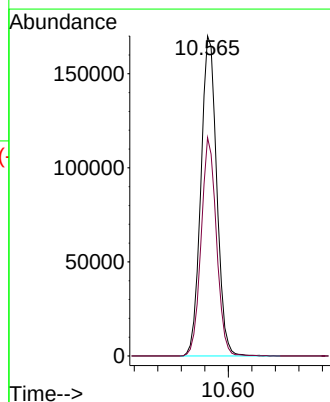
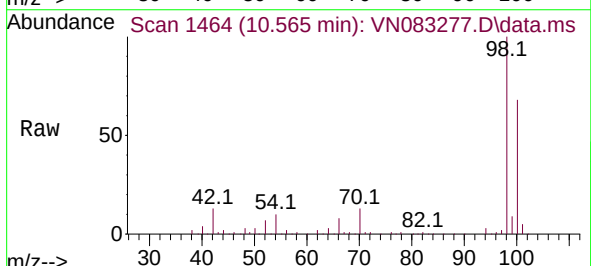
Acq: 14 Aug 2024 04:52

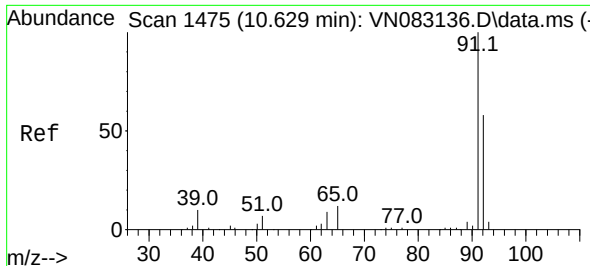
Tgt Ion: 98 Resp: 317353

Ion Ratio Lower Upper

98 100

100 65.9 51.5 77.3





#52

Toluene

Concen: 0.335 ug/l

RT: 10.623 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

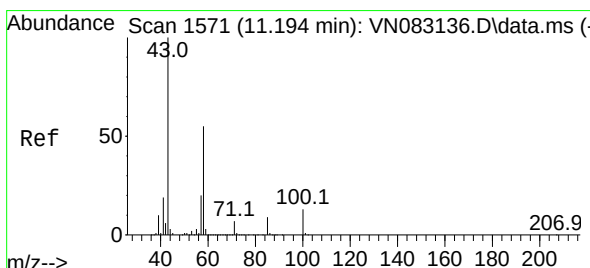
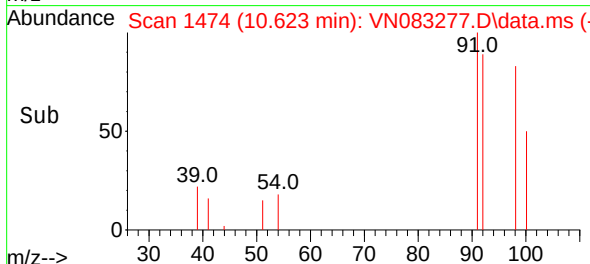
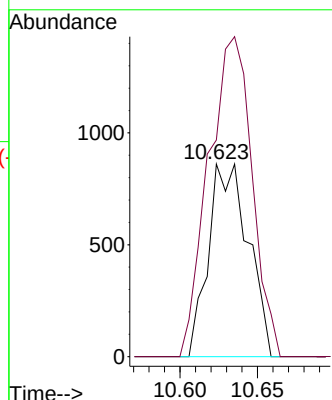
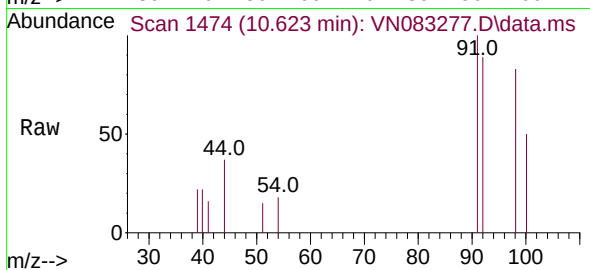
ClientSampleId :

Tgt Ion: 92 Resp: 1536

Ion Ratio Lower Upper

92 100

91 181.6 139.4 209.0



#59

2-Hexanone

Concen: 0.300 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083277.D

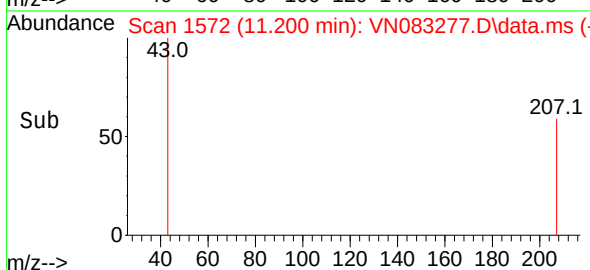
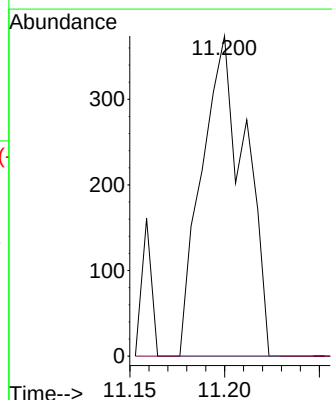
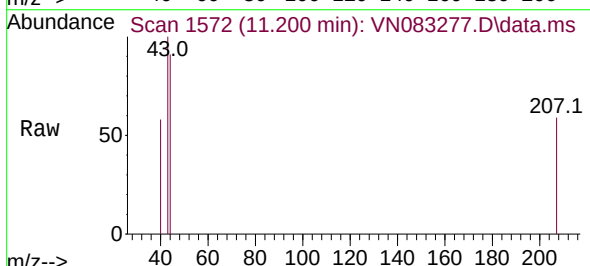
Acq: 14 Aug 2024 04:52

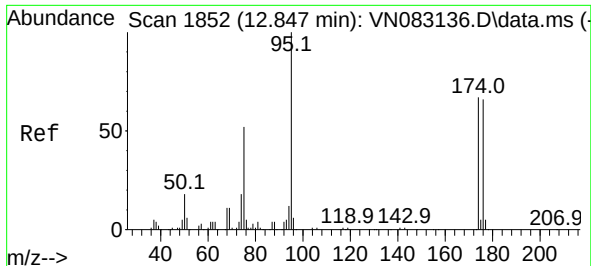
Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 56.527 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :

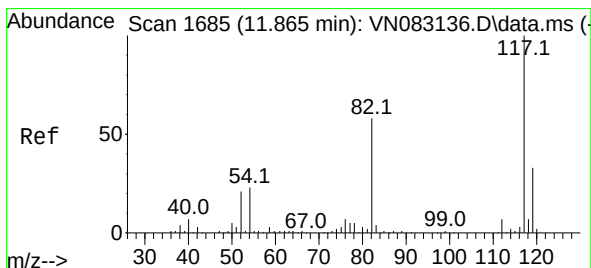
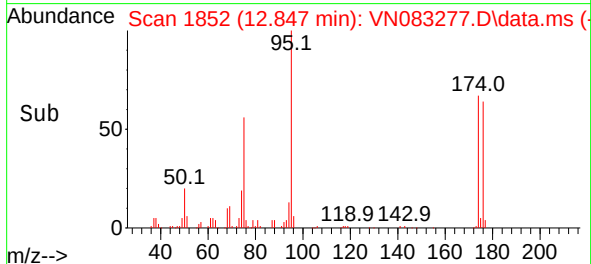
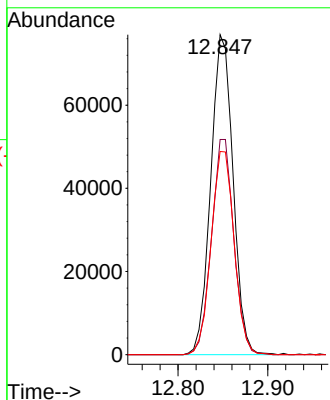
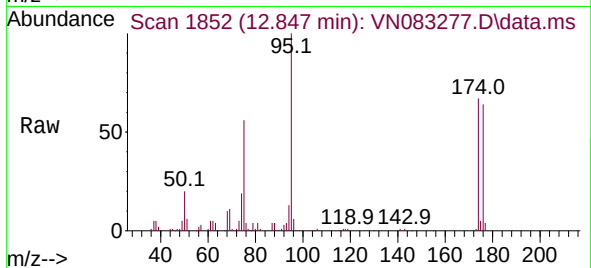
Tgt Ion: 95 Resp: 132522

Ion Ratio Lower Upper

95 100

174 67.5 0.0 159.2

176 65.9 0.0 147.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

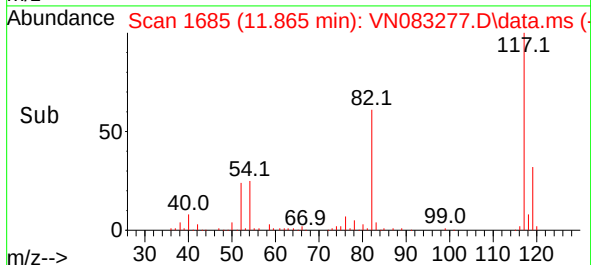
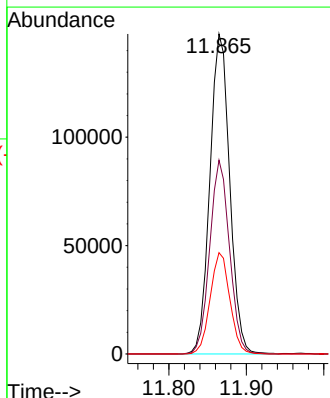
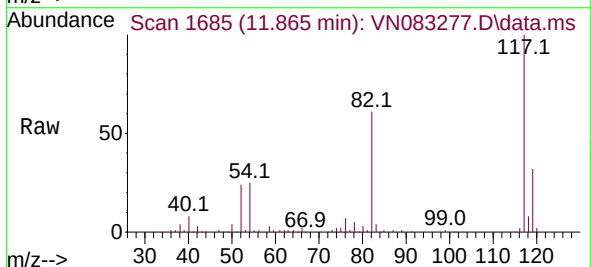
Tgt Ion: 117 Resp: 262371

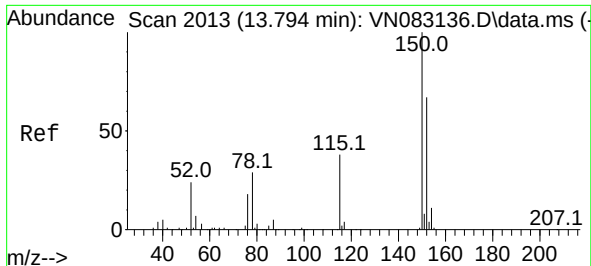
Ion Ratio Lower Upper

117 100

82 60.5 47.5 71.3

119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :

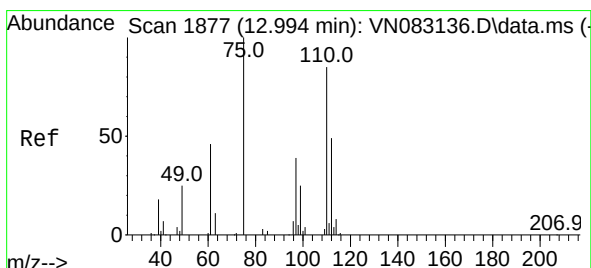
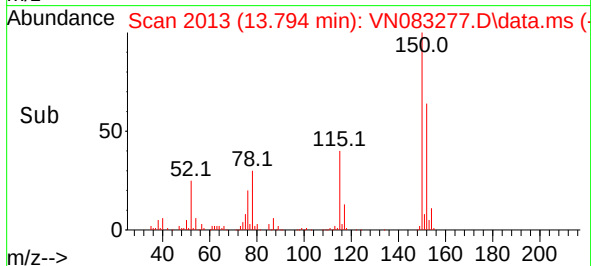
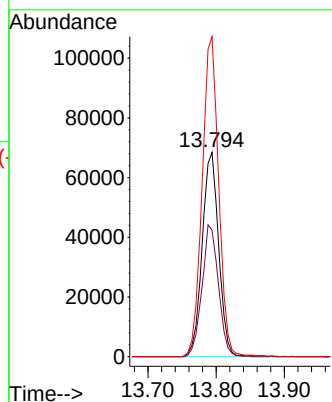
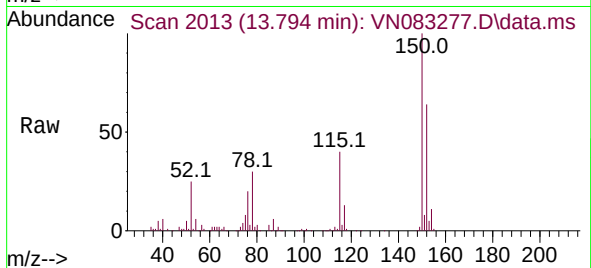
Tgt Ion:152 Resp: 115090

Ion Ratio Lower Upper

152 100

115 64.1 30.6 91.6

150 156.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.797 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083277.D

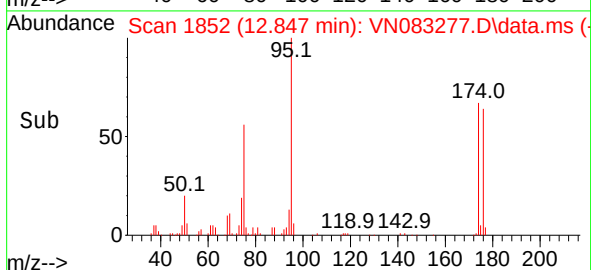
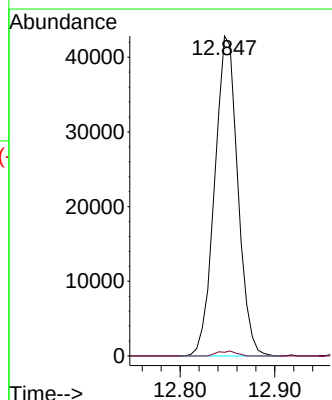
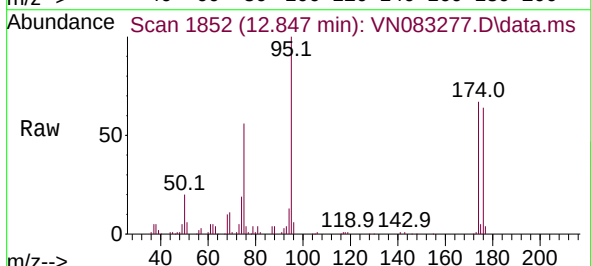
Acq: 14 Aug 2024 04:52

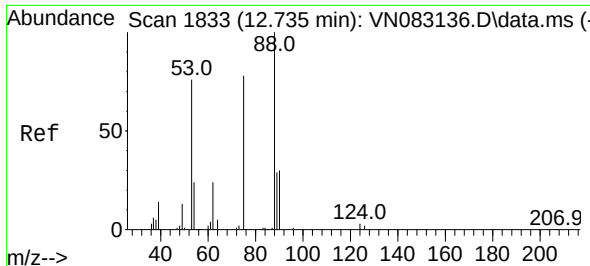
Tgt Ion: 75 Resp: 72740

Ion Ratio Lower Upper

75 100

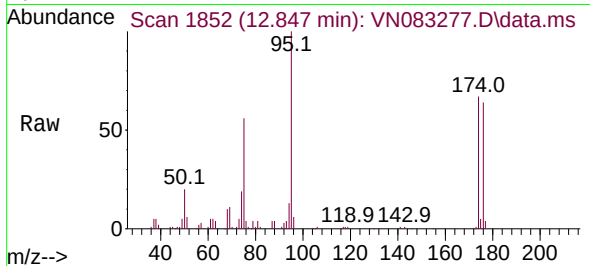
77 1.2 110.9 332.6#



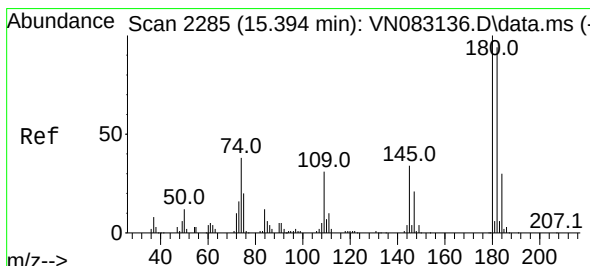
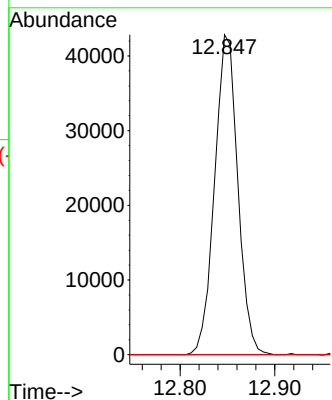
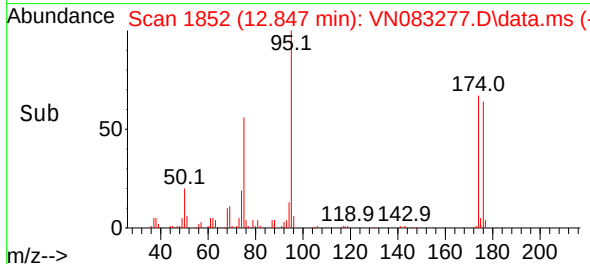


#81
trans-1,4-Dichloro-2-butene
Concen: 62.641 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52

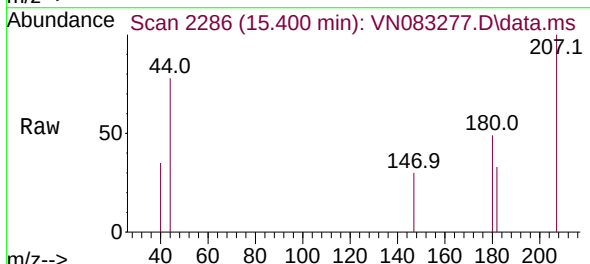
Instrument :
MSVOA_N
ClientSampleId :



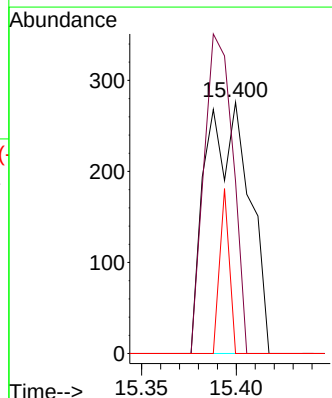
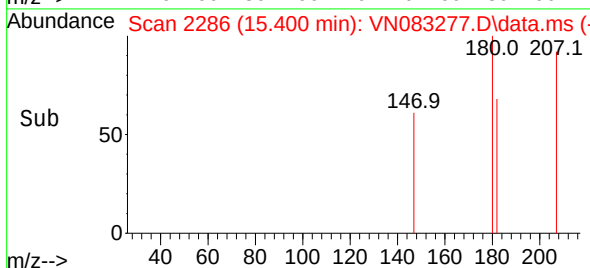
Tgt Ion: 75 Resp: 72740
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

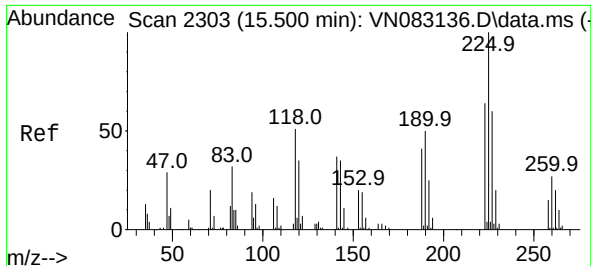


#93
1,2,4-Trichlorobenzene
Concen: 0.203 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN083277.D
Acq: 14 Aug 2024 04:52



Tgt Ion:180 Resp: 443
Ion Ratio Lower Upper
180 100
182 83.7 47.3 141.8
145 14.4 15.7 47.1#





#94

Hexachlorobutadiene

Concen: 0.270 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN083277.D

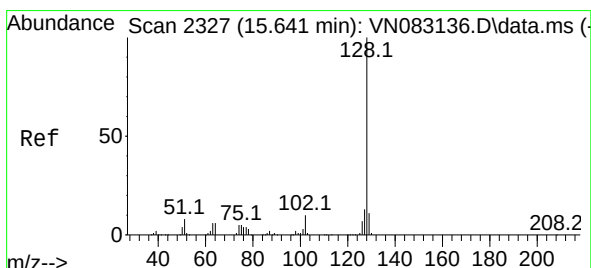
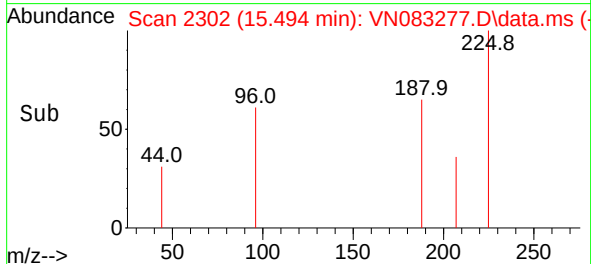
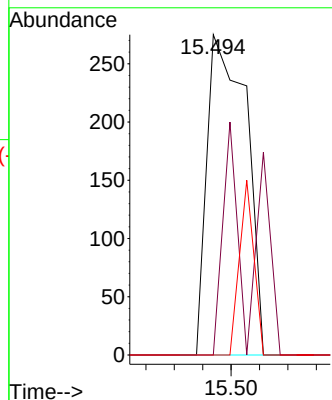
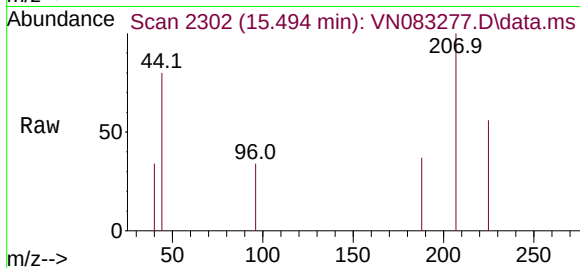
Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:225	Resp:	262
Ion Ratio	Lower	Upper
225	100	
223	50.4	31.9 95.7
227	20.2	32.5 97.5#



#95

Naphthalene

Concen: 0.285 ug/l

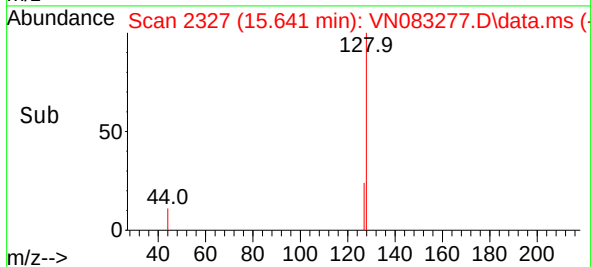
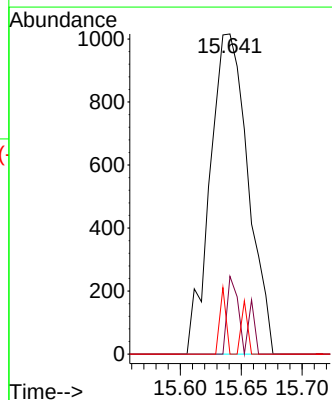
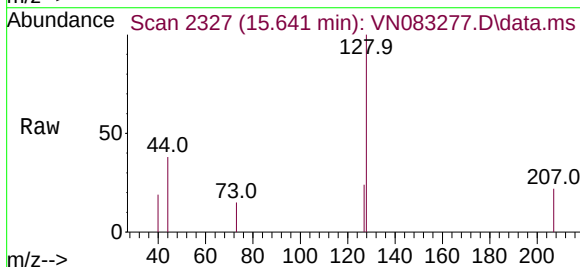
RT: 15.641 min Scan# 2327

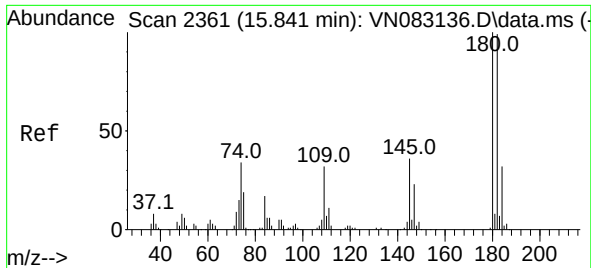
Delta R.T. -0.000 min

Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Tgt Ion:128	Resp:	2204
Ion Ratio	Lower	Upper
128	100	
127	9.6	10.6 16.0#
129	3.4	8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.249 ug/l

RT: 15.847 min Scan# 24

Delta R.T. 0.006 min

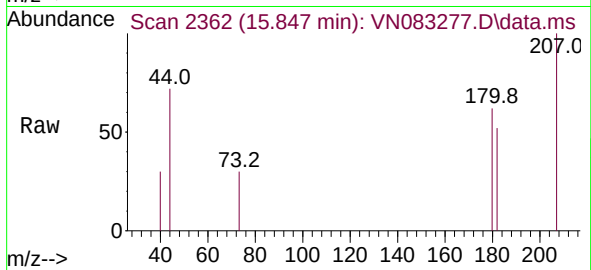
Lab File: VN083277.D

Acq: 14 Aug 2024 04:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 537

Ion Ratio Lower Upper

180 100

182 83.6 48.9 146.8

145 0.0 16.8 50.4#

