

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080824\
 Data File : VD079677.D
 Acq On : 08 Aug 2024 19:53
 Operator : RP/MD
 Sample : P3483-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 09 01:12:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

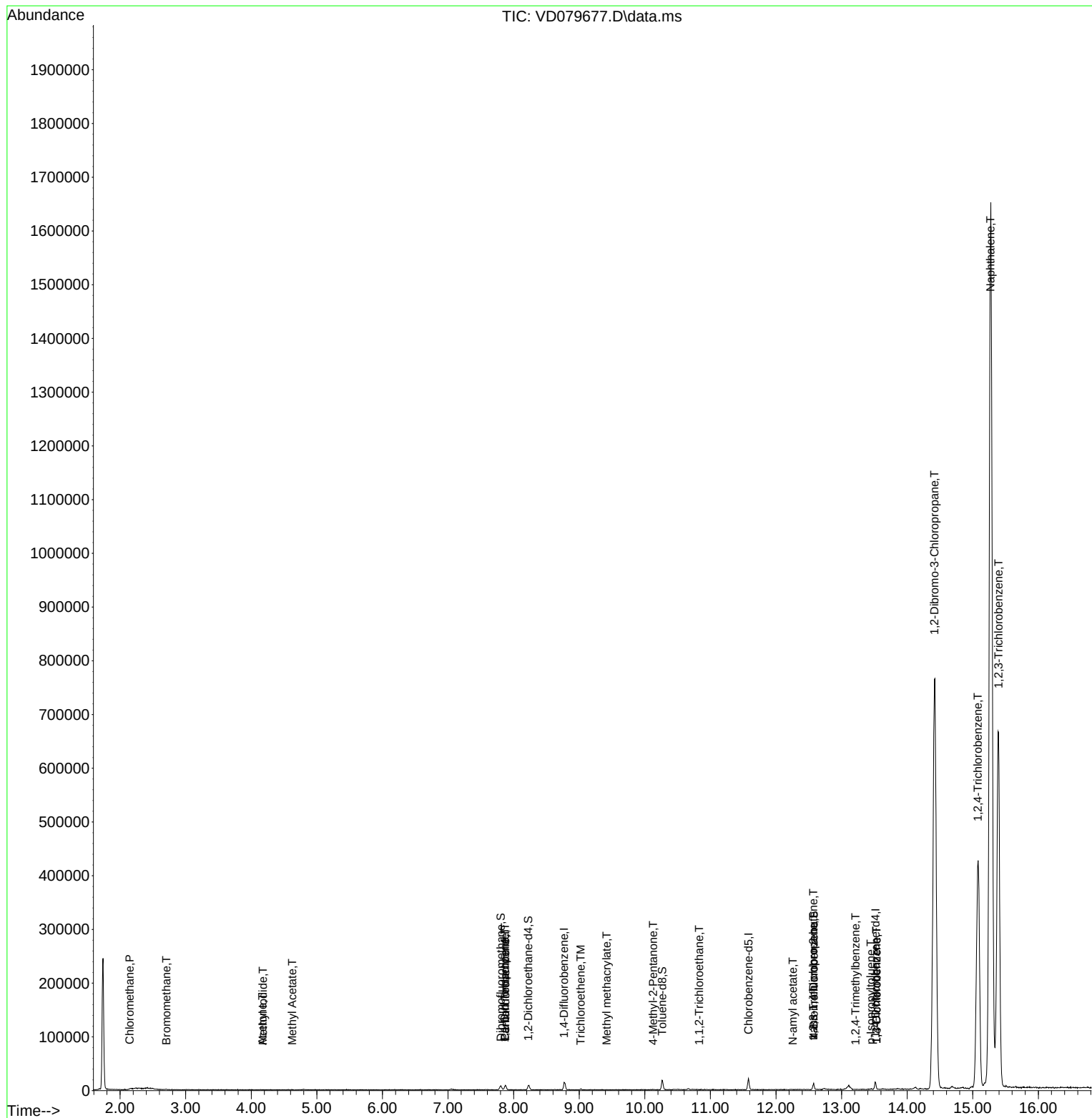
Internal Standards						
1) Pentafluorobenzene	7.875	168	6585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	13684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	11938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	4042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	6314	94.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.760%#	
35) Dibromofluoromethane	7.805	113	5673	61.251	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.500%	
50) Toluene-d8	10.263	98	13213	36.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.480%	
62) 4-Bromofluorobenzene	12.575	95	3373	32.407	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 64.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	212	2.230	ug/l #	31
5) Bromomethane	2.705	94	438	3.700	ug/l	99
10) Methyl Iodide	4.175	142	70	1.417	ug/l #	41
13) Acrolein	3.546	56	54	Below Cal	#	15
16) Acetone	4.169	43	62	4.769	ug/l #	37
18) Methyl Acetate	4.622	43	179	4.435	ug/l #	40
20) Methylene Chloride	4.799	84	396	Below Cal	#	76
36) 1,1-Dichloropropene	7.863	75	480	3.797	ug/l #	39
38) Carbon Tetrachloride	7.869	117	667	5.019	ug/l #	13
44) Trichloroethene	9.022	130	482	4.822	ug/l	5
48) Methyl methacrylate	9.416	41	128	2.936	ug/l #	2
51) 4-Methyl-2-Pentanone	10.128	43	57	1.146	ug/l #	31
55) 1,1,2-Trichloroethane	10.828	97	87	1.219	ug/l #	15
74) N-amyl acetate	12.257	43	64	1.077	ug/l #	35
76) 1,2,3-Trichloropropane	12.569	75	2094	59.268	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2094	113.040	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.210	105	54	3.627	ug/l #	29
86) p-Isopropyltoluene	13.445	119	54	4.062	ug/l #	51
87) 1,3-Dichlorobenzene	13.534	146	236	1.681	ug/l #	26
88) 1,4-Dichlorobenzene	13.534	146	236	1.710	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.416	75	14162	2026.952	ug/l #	2
93) 1,2,4-Trichlorobenzene	15.075	180	4137	54.724	ug/l #	1
95) Naphthalene	15.269	128	63381	484.404	ug/l #	67
96) 1,2,3-Trichlorobenzene	15.392	180	5647	84.919	ug/l #	1

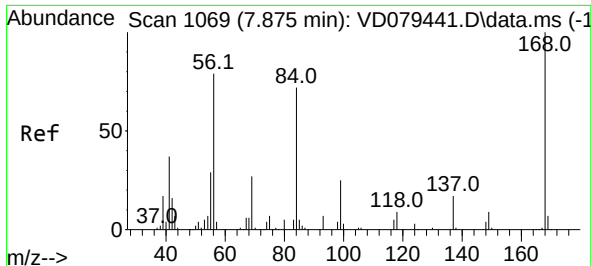
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080824\
Data File : VD079677.D
Acq On : 08 Aug 2024 19:53
Operator : RP/MD
Sample : P3483-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

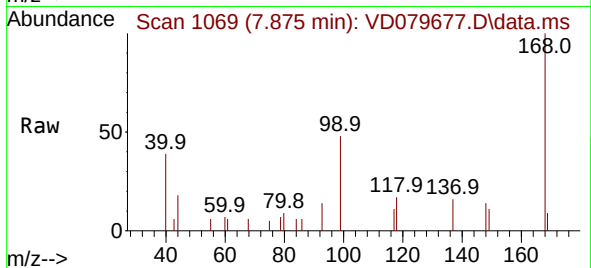
Quant Time: Aug 09 01:12:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



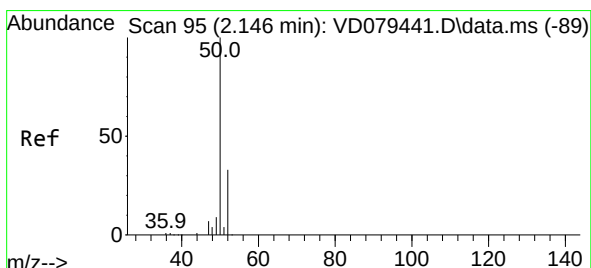
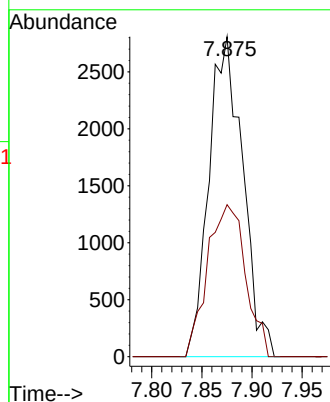
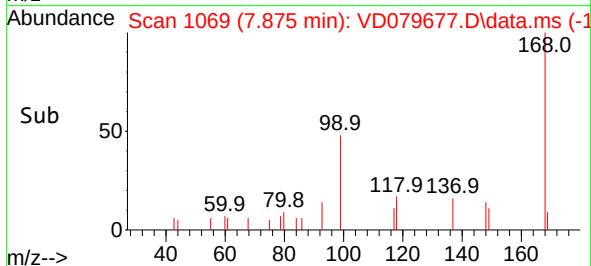


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Instrument :
MSVOA_D
ClientSampleId :

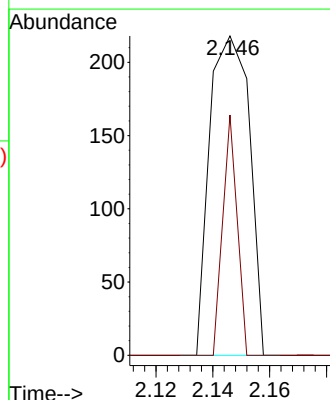
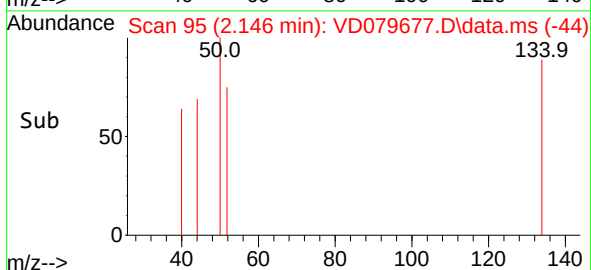
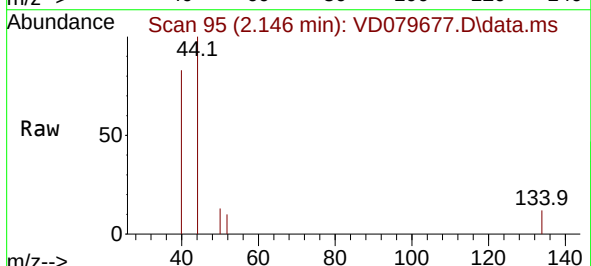


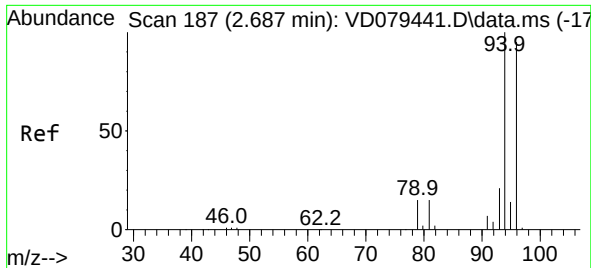
Tgt Ion:168 Resp: 6585
Ion Ratio Lower Upper
168 100
99 47.5 41.1 61.7



#3
Chloromethane
Concen: 2.230 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 75.2 28.2 42.2#





#5

Bromomethane

Concen: 3.700 ug/l

RT: 2.705 min Scan# 19

Delta R.T. 0.018 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Instrument :

MSVOA_D

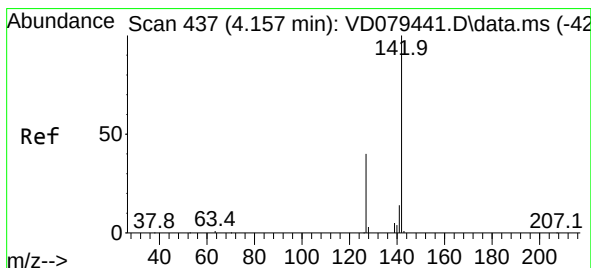
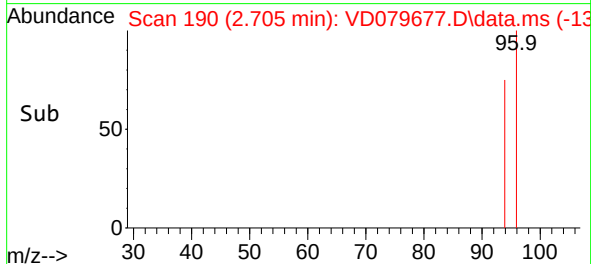
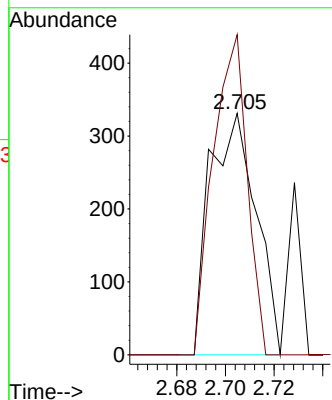
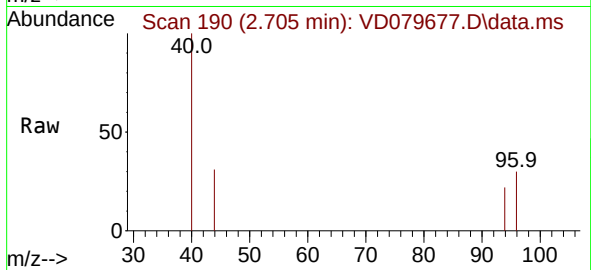
ClientSampleId :

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

94 100

96 97.0 76.9 115.3



#10

Methyl Iodide

Concen: 1.417 ug/l

RT: 4.175 min Scan# 440

Delta R.T. 0.023 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

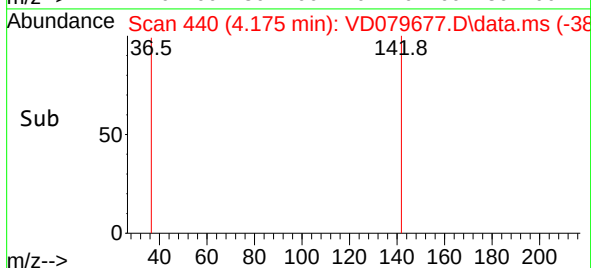
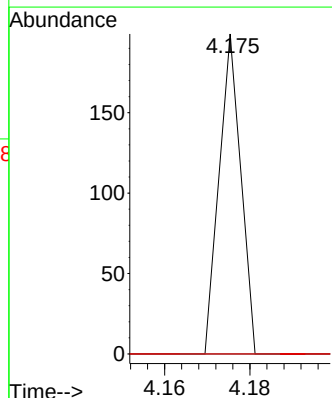
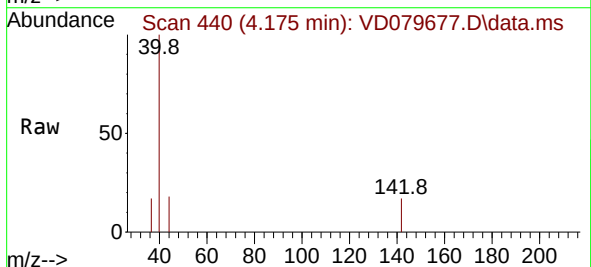
Tgt Ion:142 Resp: 70

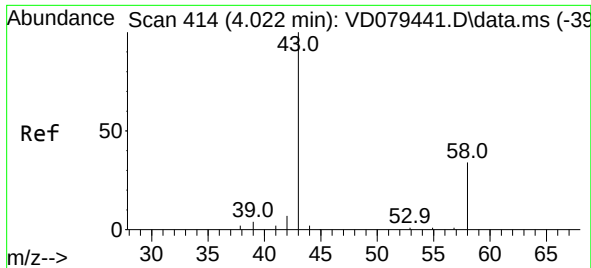
Ion Ratio Lower Upper

142 100

127 0.0 34.2 51.4#

141 0.0 11.7 17.5#

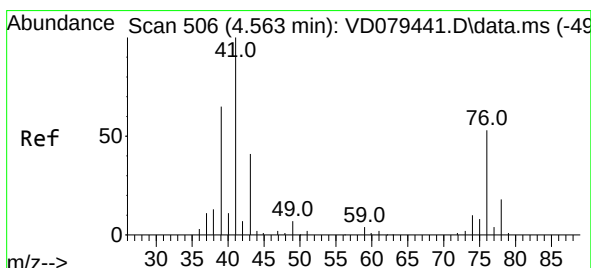
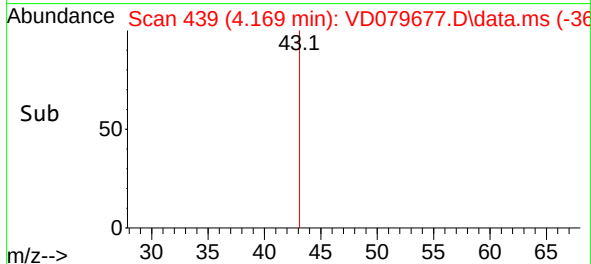
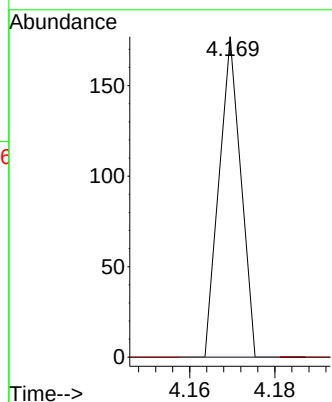
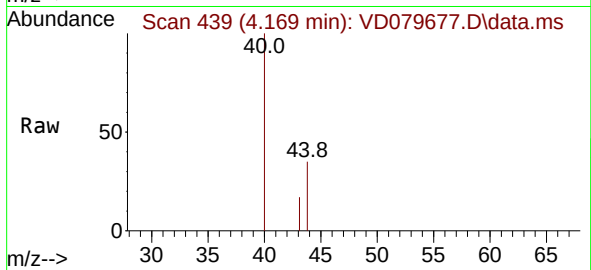




#16
Acetone
Concen: 4.769 ug/l
RT: 4.169 min Scan# 414
Delta R.T. 0.147 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

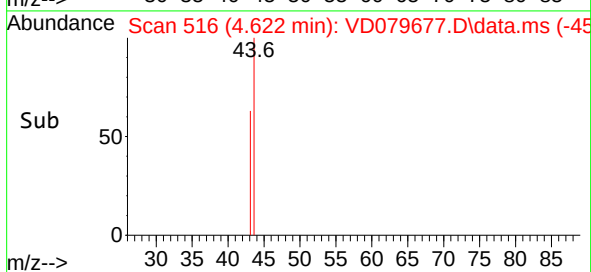
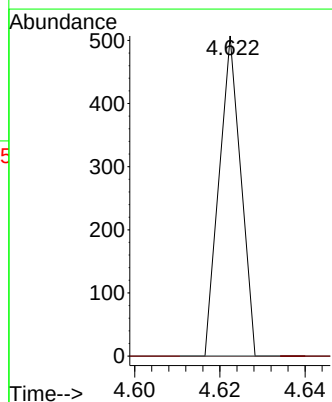
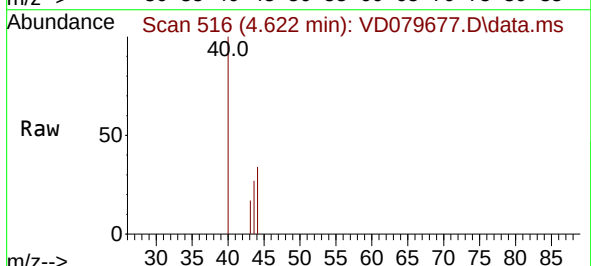
Instrument :
MSVOA_D
ClientSampleId :

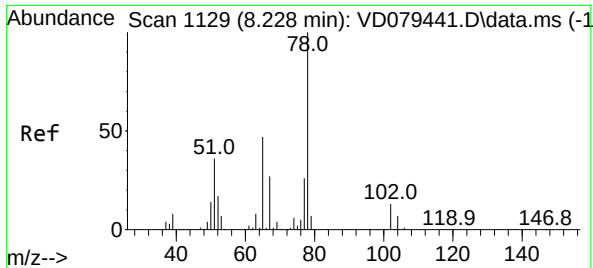
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#18
Methyl Acetate
Concen: 4.435 ug/l
RT: 4.622 min Scan# 516
Delta R.T. 0.053 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
74 0.0 28.1 42.1#

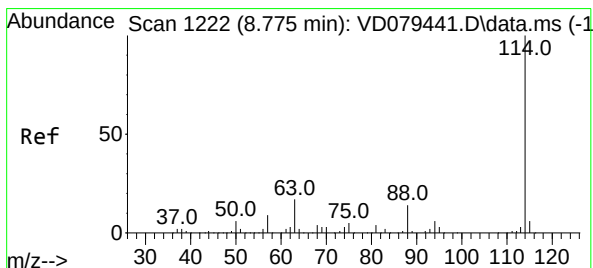
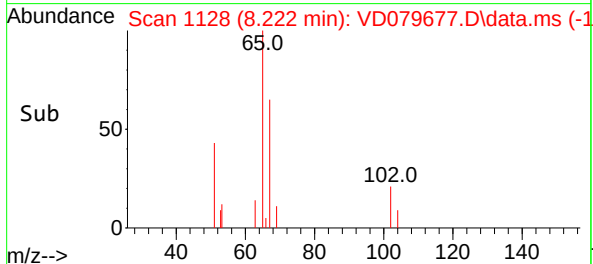
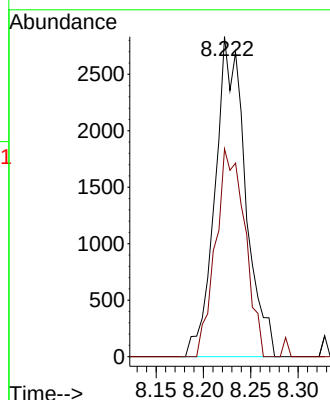
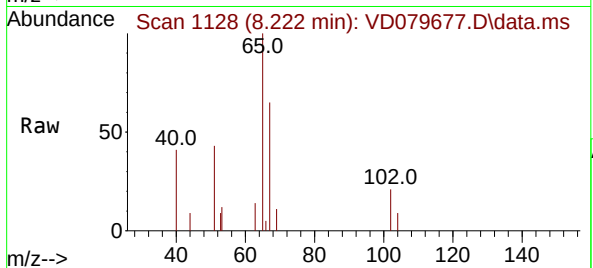




#33
 1,2-Dichloroethane-d4
 Concen: 94.383 ug/l
 RT: 8.222 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VD079677.D
 Acq: 08 Aug 2024 19:53

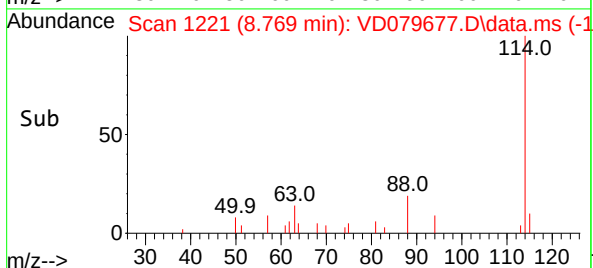
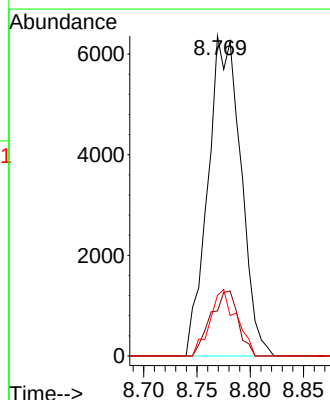
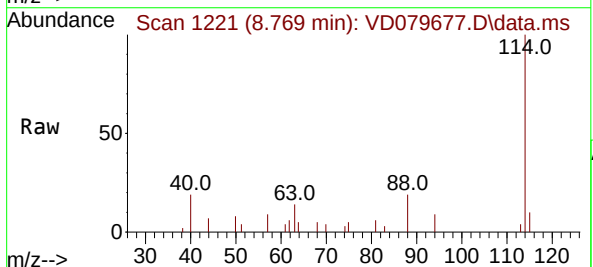
Instrument :
 MSVOA_D
 ClientSampleId :

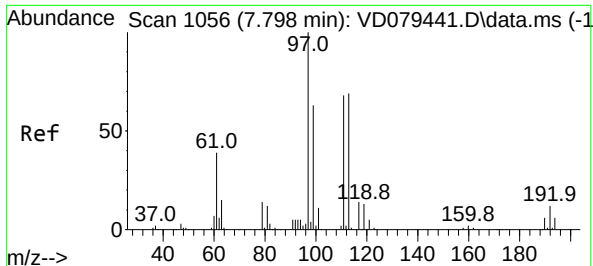
Tgt Ion: 65 Resp: 6314
 Ion Ratio Lower Upper
 65 100
 67 62.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.769 min Scan# 1221
 Delta R.T. -0.006 min
 Lab File: VD079677.D
 Acq: 08 Aug 2024 19:53

Tgt Ion: 114 Resp: 13684
 Ion Ratio Lower Upper
 114 100
 63 14.0 0.0 34.0
 88 18.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 61.251 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

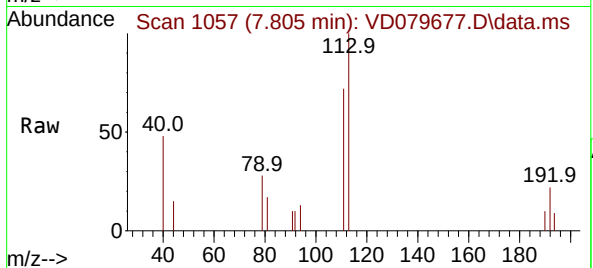
Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Instrument :

MSVOA_D

ClientSampleId :



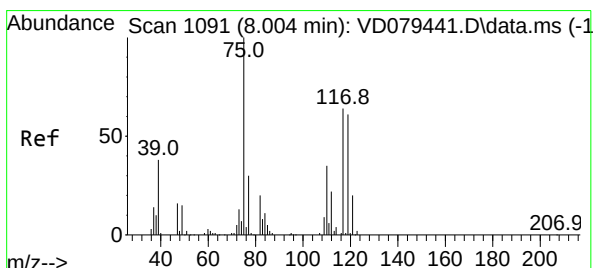
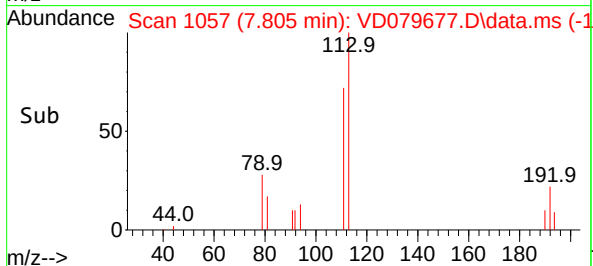
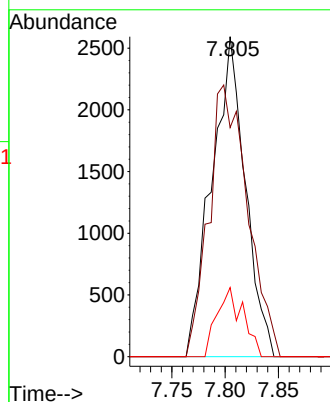
Tgt Ion:113 Resp: 5673

Ion Ratio Lower Upper

113 100

111 98.2 84.0 126.0

192 16.7 15.4 23.0



#36

1,1-Dichloropropene

Concen: 3.797 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

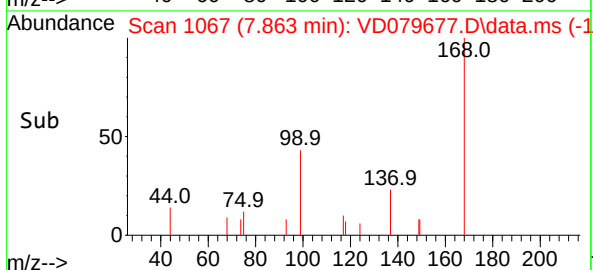
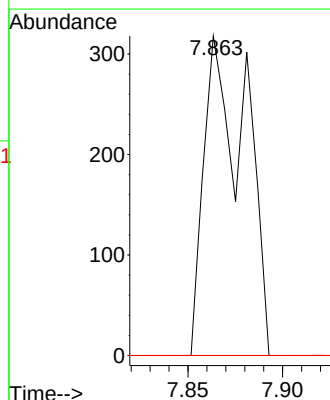
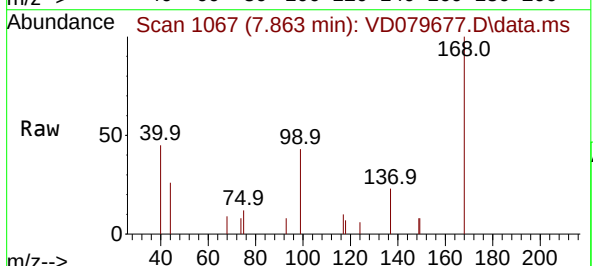
Tgt Ion: 75 Resp: 480

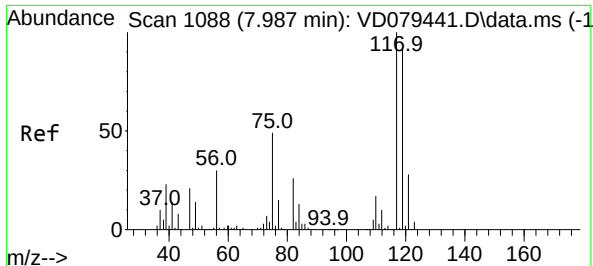
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

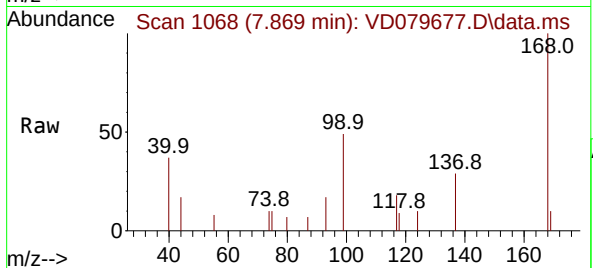
77 0.0 26.1 39.1#



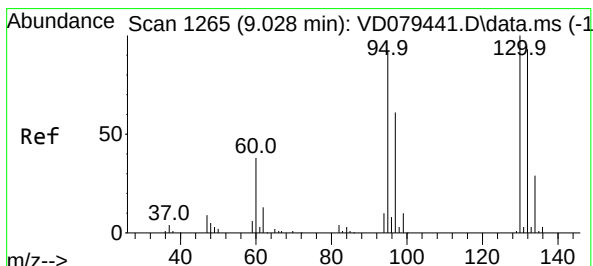
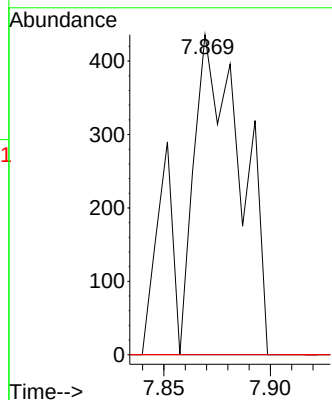
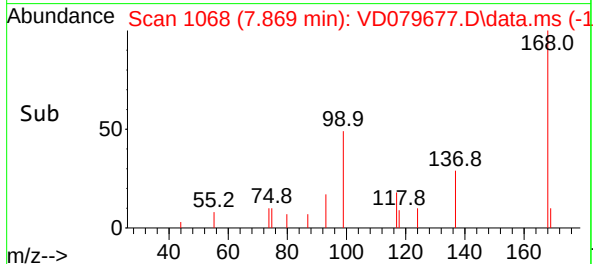


#38
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Instrument :
MSVOA_D
ClientSampleId :

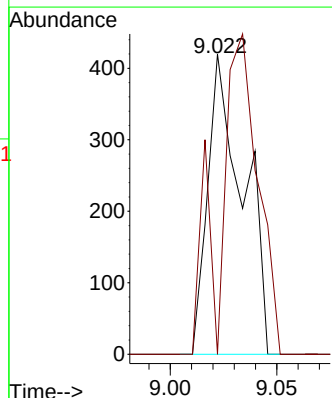
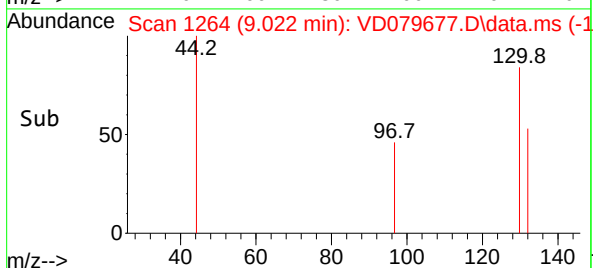
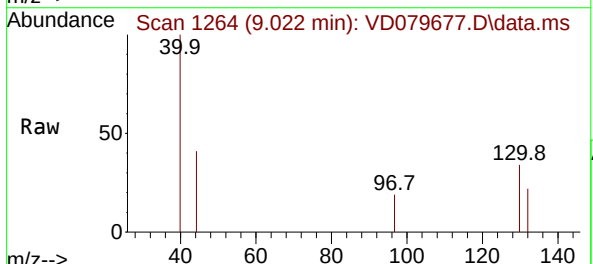


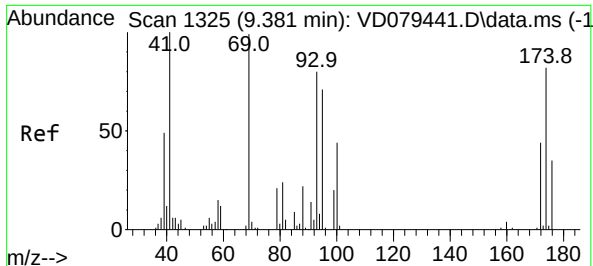
Tgt Ion:117 Resp: 667
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 4.822 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion:130 Resp: 482
Ion Ratio Lower Upper
130 100
95 0.0 0.0 177.8





#48

Methyl methacrylate

Concen: 2.936 ug/l

RT: 9.416 min Scan# 11

Delta R.T. 0.035 min

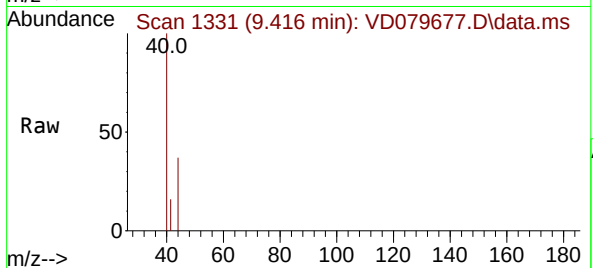
Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Instrument :

MSVOA_D

ClientSampleId :



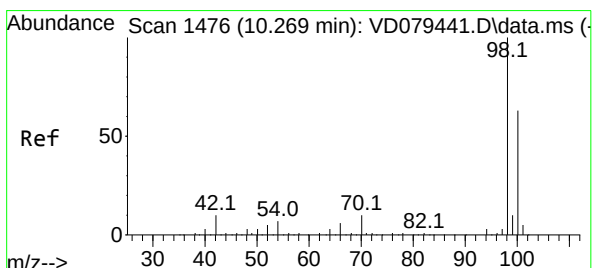
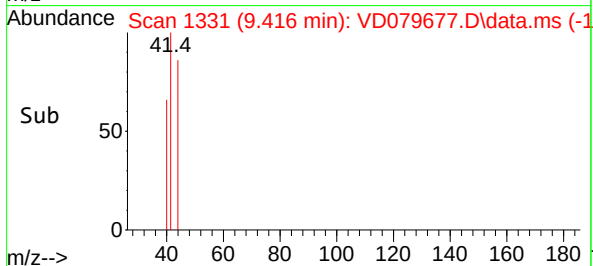
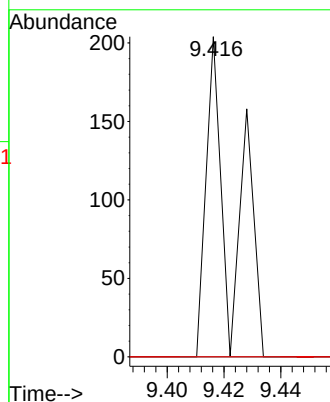
Tgt Ion: 41 Resp: 128

Ion Ratio Lower Upper

41 100

69 0.0 96.7 145.1#

39 0.0 43.8 65.6#



#50

Toluene-d8

Concen: 36.736 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VD079677.D

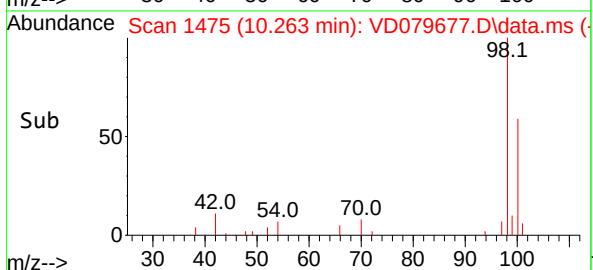
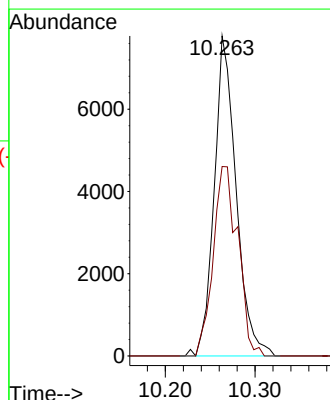
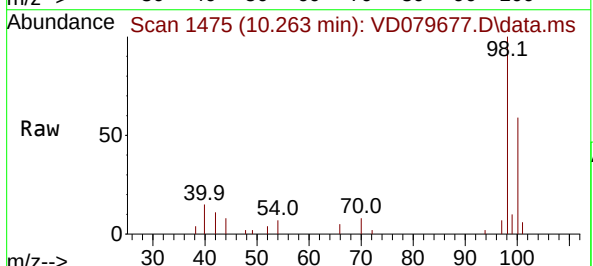
Acq: 08 Aug 2024 19:53

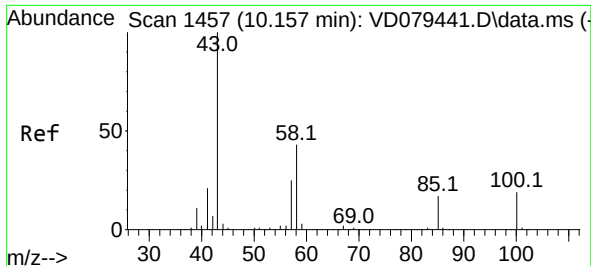
Tgt Ion: 98 Resp: 13213

Ion Ratio Lower Upper

98 100

100 66.7 51.6 77.4

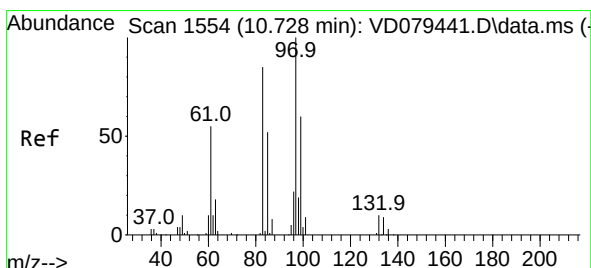
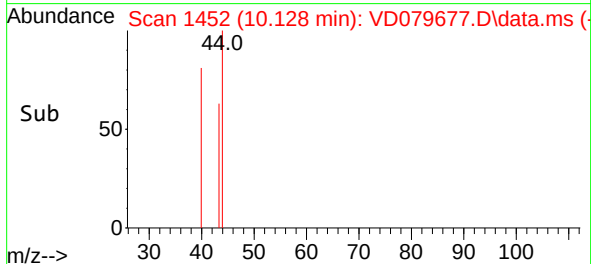
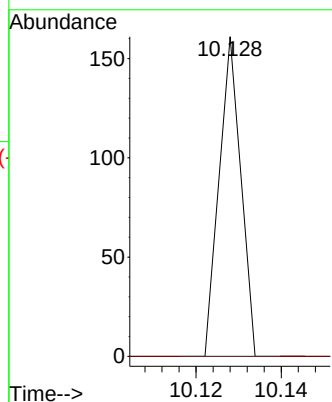
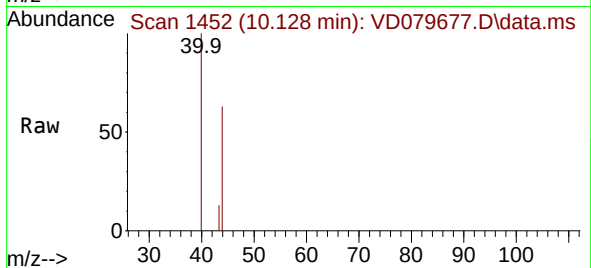




#51
4-Methyl-2-Pentanone
Concen: 1.146 ug/l
RT: 10.128 min Scan# 1457
Delta R.T. -0.029 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

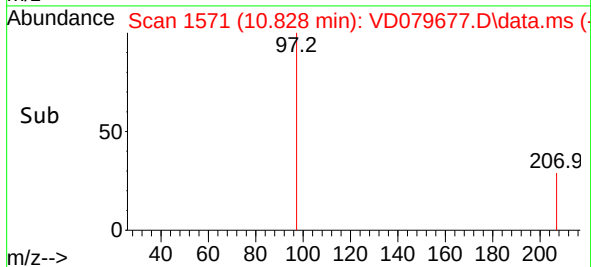
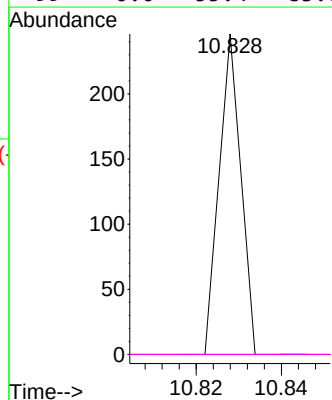
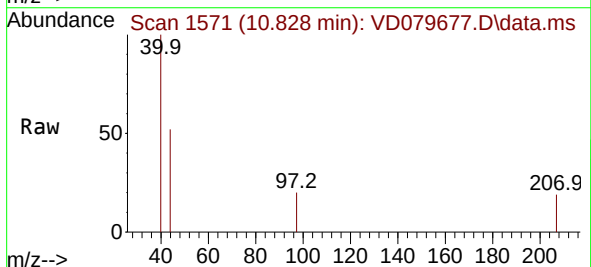
Instrument :
MSVOA_D
ClientSampleId :

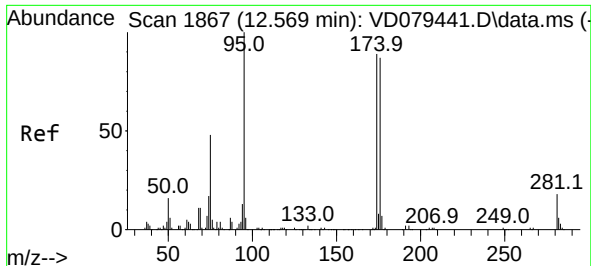
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#



#55
1,1,2-Trichloroethane
Concen: 1.219 ug/l
RT: 10.828 min Scan# 1571
Delta R.T. 0.100 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion: 97 Resp: 87
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 43.8 65.8#
99 0.0 55.4 83.0#





#62

4-Bromofluorobenzene

Concen: 32.407 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Instrument :

MSVOA_D

ClientSampleId :

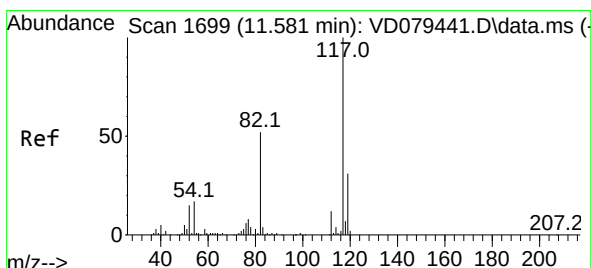
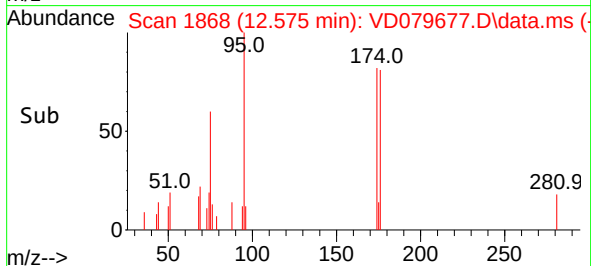
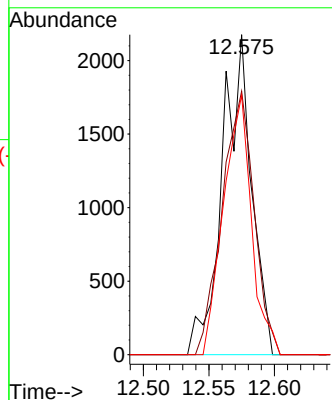
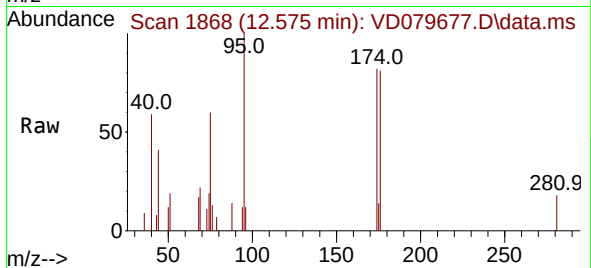
Tgt Ion: 95 Resp: 3373

Ion Ratio Lower Upper

95 100

174 90.0 0.0 195.4

176 77.8 0.0 192.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

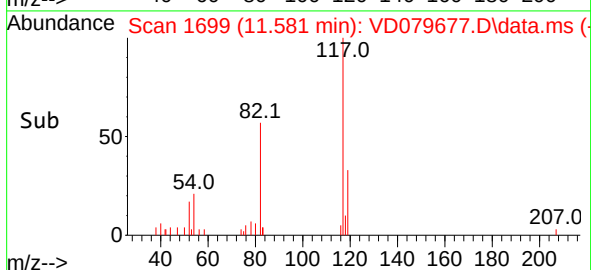
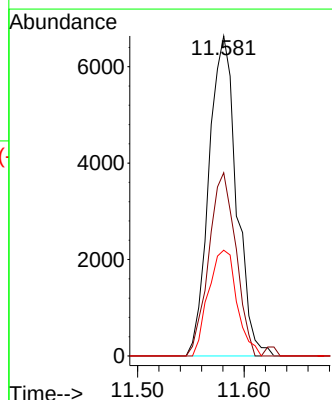
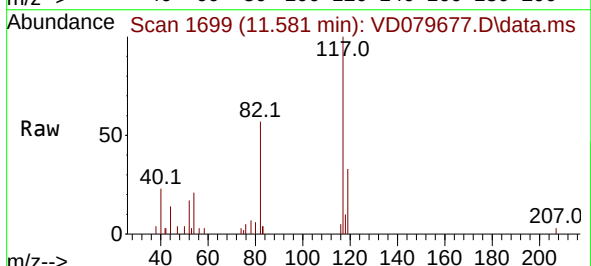
Tgt Ion: 117 Resp: 11938

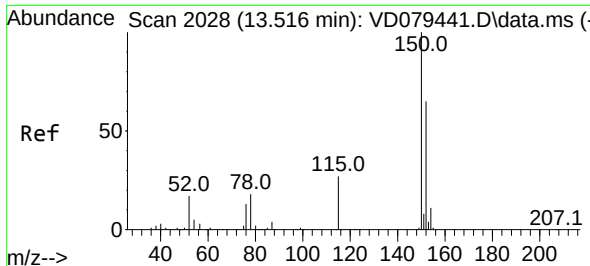
Ion Ratio Lower Upper

117 100

82 57.2 39.8 59.6

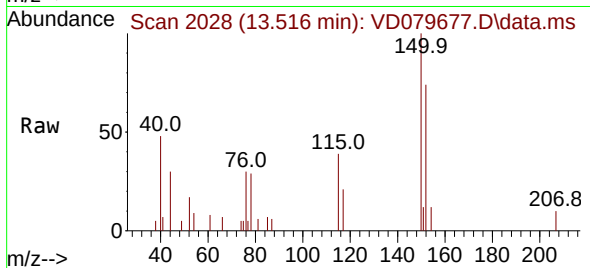
119 33.0 25.7 38.5



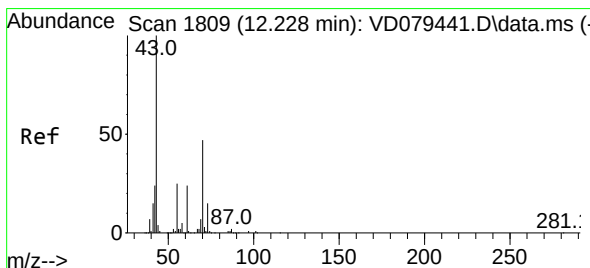
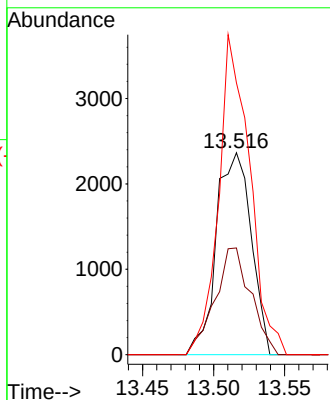
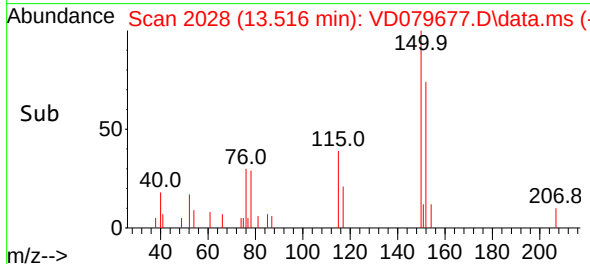


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Instrument :
MSVOA_D
ClientSampleId :

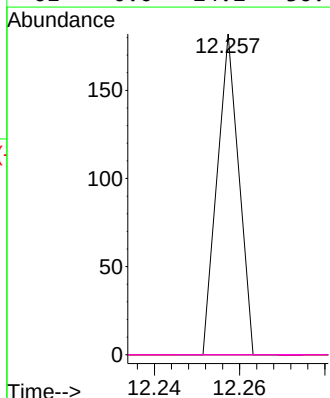
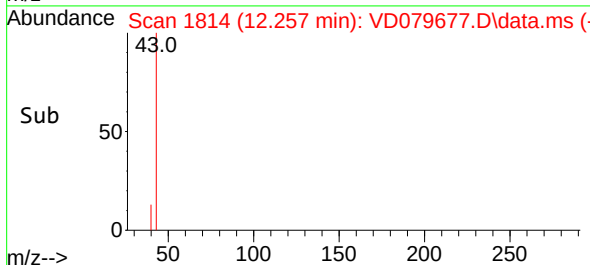
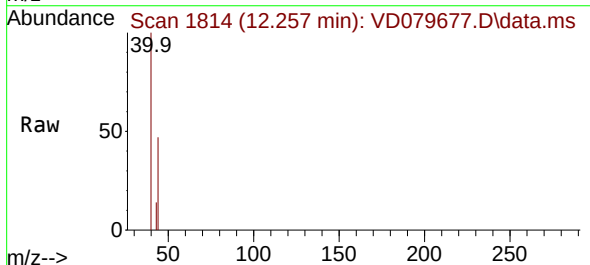


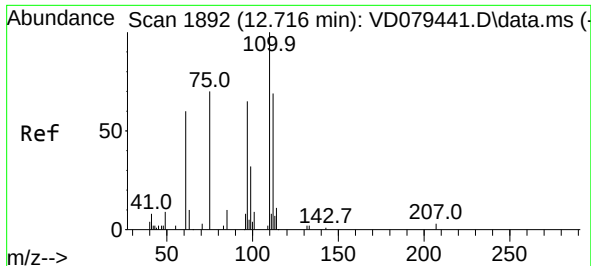
Tgt Ion:152 Resp: 4042
Ion Ratio Lower Upper
152 100
115 54.5 26.5 79.5
150 141.1 0.0 341.6



#74
N-ethyl acetate
Concen: 1.077 ug/l
RT: 12.257 min Scan# 1814
Delta R.T. 0.024 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
70 0.0 44.3 66.5#
55 0.0 23.2 34.8#
61 0.0 24.2 36.4#

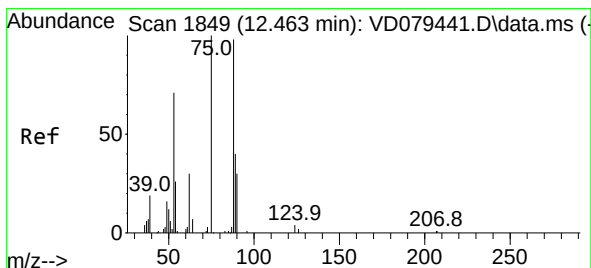
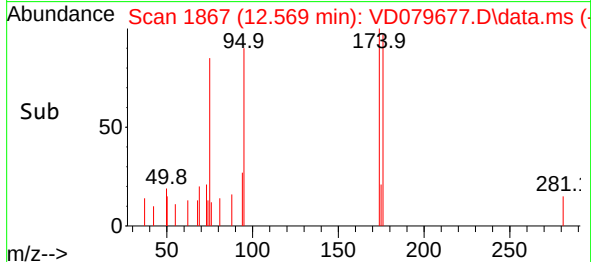
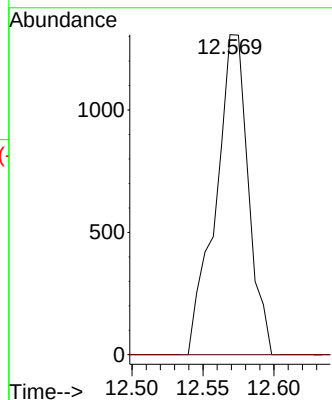
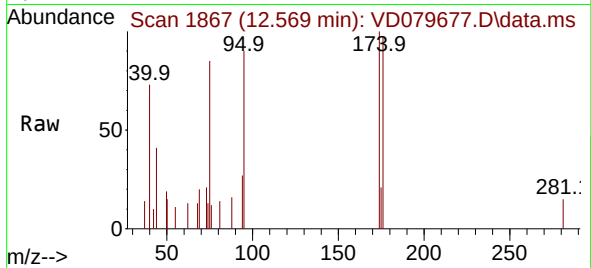




#76
1,2,3-Trichloropropane
Concen: 59.268 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

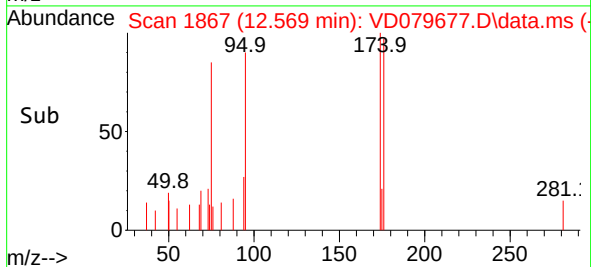
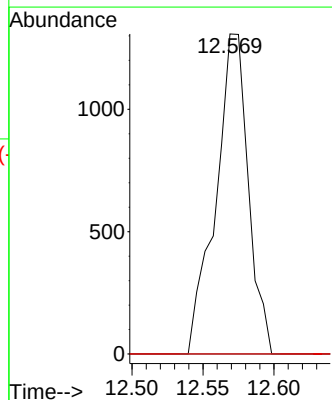
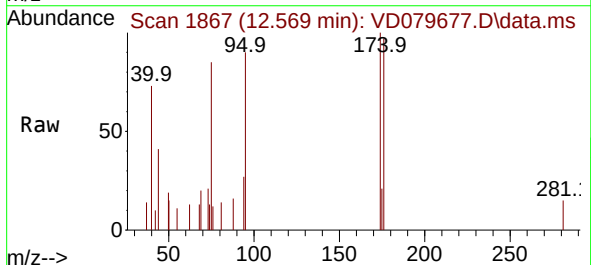
Instrument :
MSVOA_D
ClientSampleId :

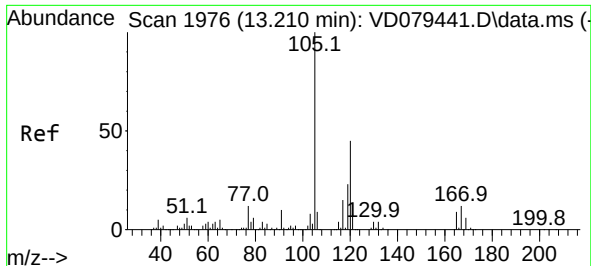
Tgt Ion: 75 Resp: 2094
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.040 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion: 75 Resp: 2094
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

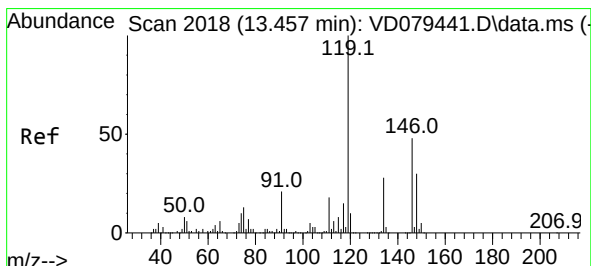
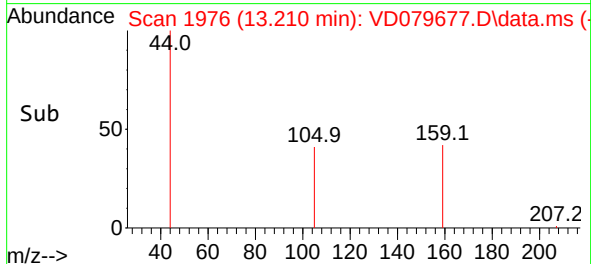
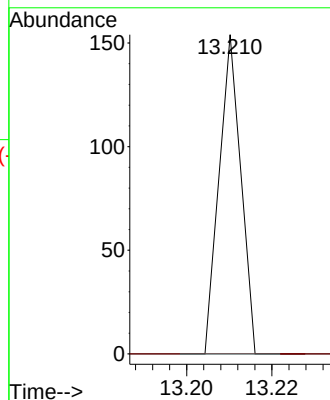
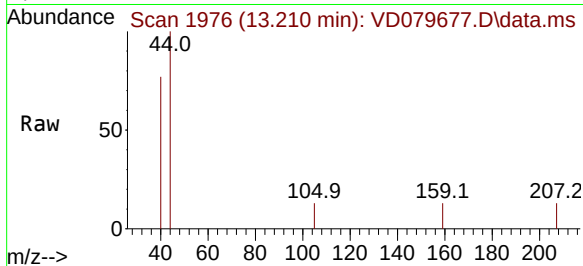




#84
1,2,4-Trimethylbenzene
Concen: 3.627 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

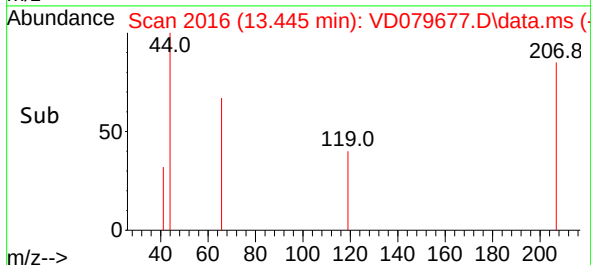
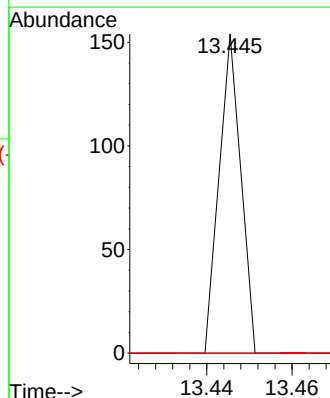
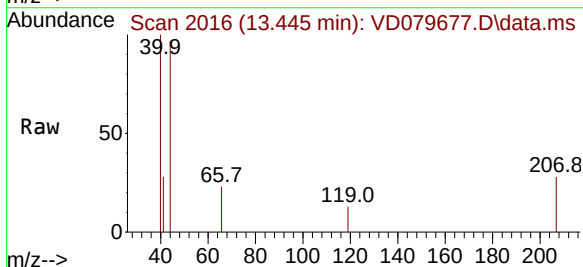
Instrument :
MSVOA_D
ClientSampleId :

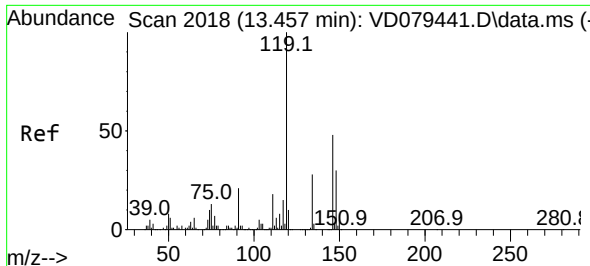
Tgt Ion:105 Resp: 54
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#86
p-Isopropyltoluene
Concen: 4.062 ug/l
RT: 13.445 min Scan# 2016
Delta R.T. -0.012 min
Lab File: VD079677.D
Acq: 08 Aug 2024 19:53

Tgt Ion:119 Resp: 54
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#





#87

1,3-Dichlorobenzene

Concen: 1.681 ug/l

RT: 13.534 min Scan# 2018

Delta R.T. 0.082 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Instrument :

MSVOA_D

ClientSampleId :

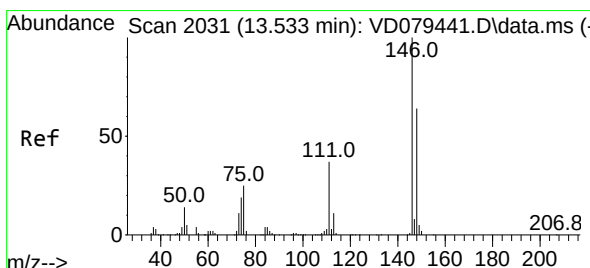
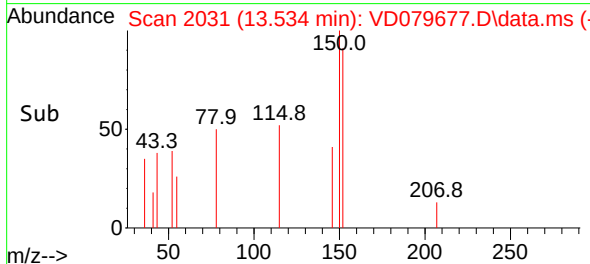
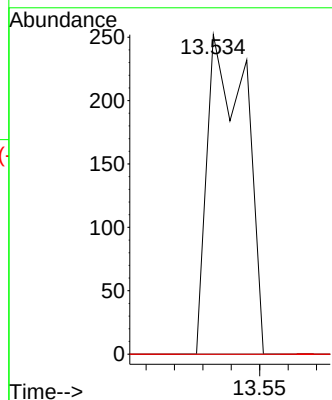
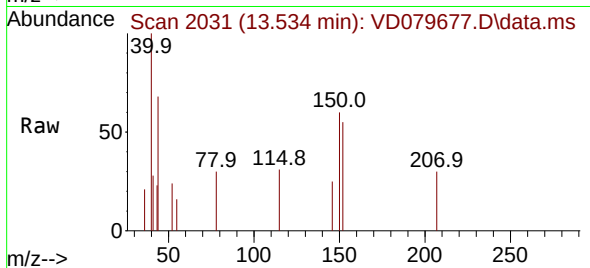
Tgt Ion:146 Resp: 236

Ion Ratio Lower Upper

146 100

111 0.0 18.5 55.5#

148 0.0 30.9 92.8#



#88

1,4-Dichlorobenzene

Concen: 1.710 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

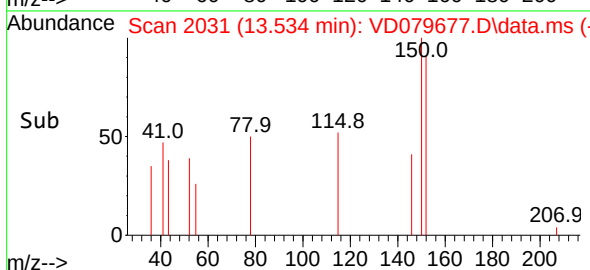
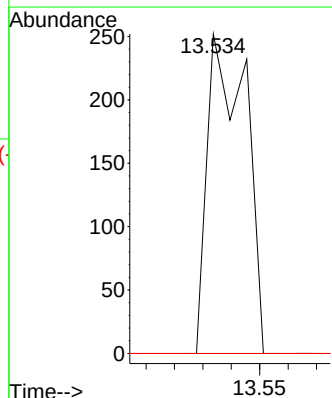
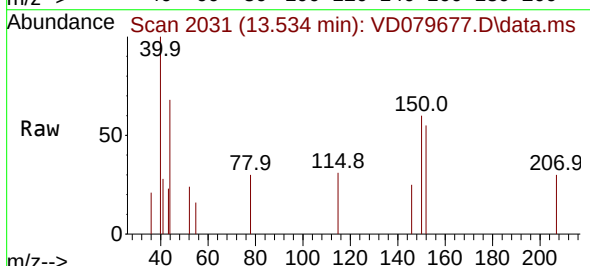
Tgt Ion:146 Resp: 236

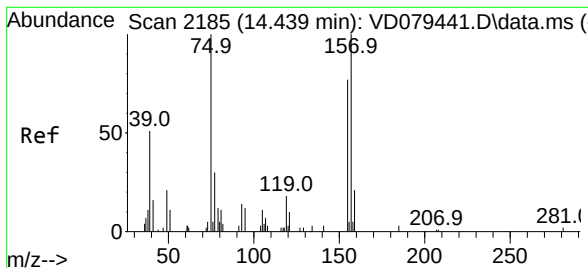
Ion Ratio Lower Upper

146 100

111 0.0 17.5 52.6#

148 0.0 31.4 94.2#

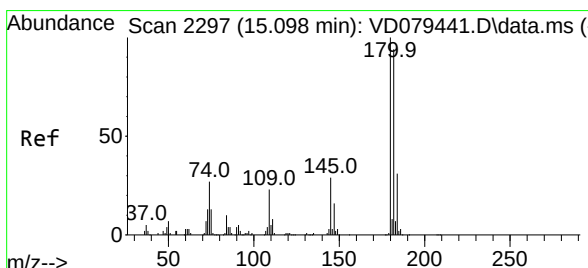
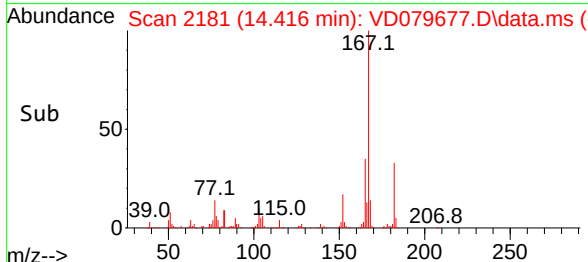
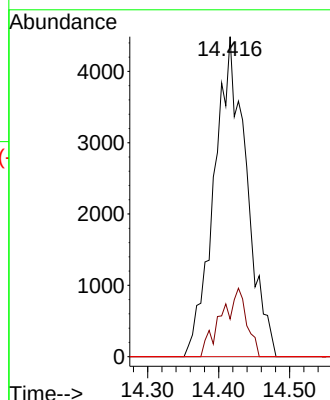
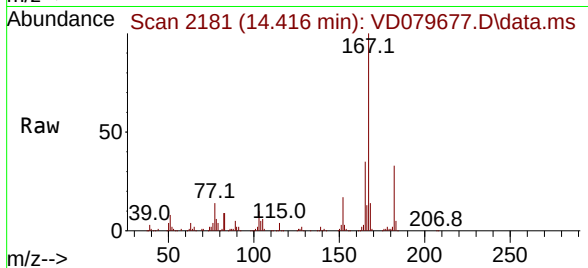




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2026.952 ug/l
 RT: 14.416 min Scan# 2181
 Delta R.T. -0.029 min
 Lab File: VD079677.D
 Acq: 08 Aug 2024 19:53

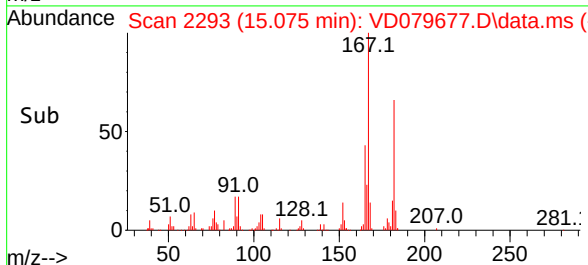
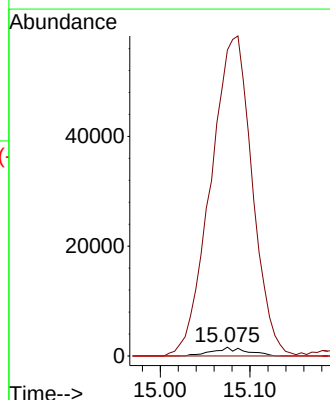
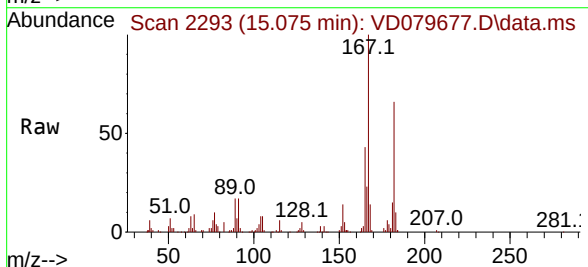
Instrument :
 MSVOA_D
 ClientSampleId :

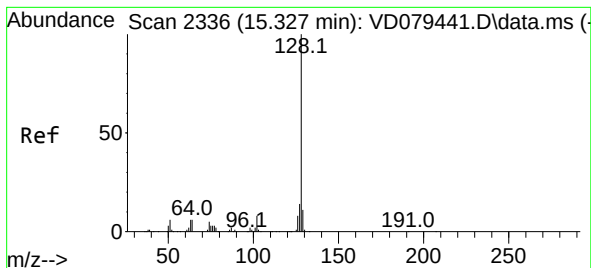
Tgt Ion: 75 Resp: 14162
 Ion Ratio Lower Upper
 75 100
 155 16.9 47.7 143.1#
 157 0.0 63.4 190.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 54.724 ug/l
 RT: 15.075 min Scan# 2293
 Delta R.T. -0.018 min
 Lab File: VD079677.D
 Acq: 08 Aug 2024 19:53

Tgt Ion:180 Resp: 4137
 Ion Ratio Lower Upper
 180 100
 182 4532.9 46.9 140.7#
 145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 484.404 ug/l

RT: 15.269 min Scan# 21

Delta R.T. -0.059 min

Lab File: VD079677.D

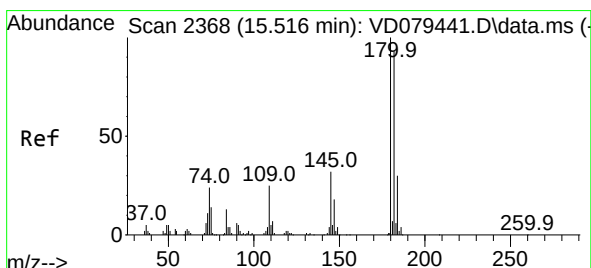
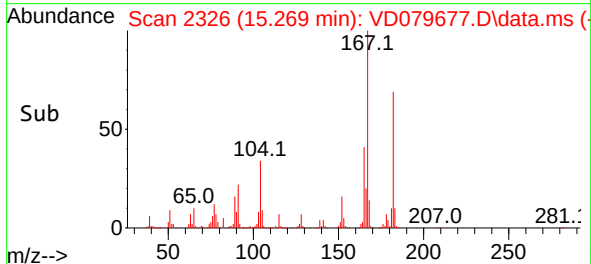
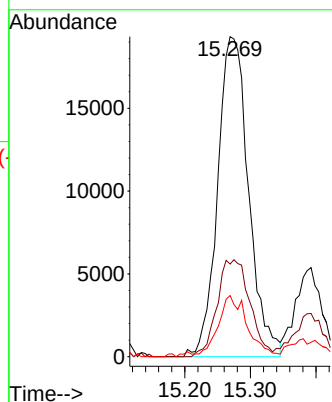
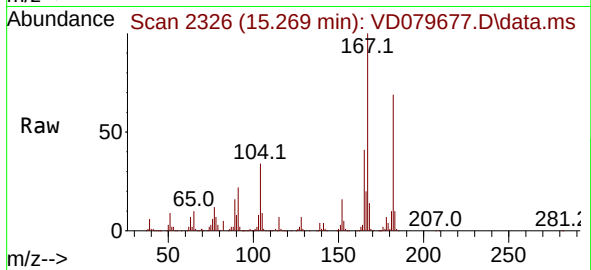
Acq: 08 Aug 2024 19:53

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	63381
Ion Ratio	Lower	Upper
128	100	
127	29.0	10.2 15.4#
129	19.1	8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 84.919 ug/l

RT: 15.392 min Scan# 2347

Delta R.T. -0.129 min

Lab File: VD079677.D

Acq: 08 Aug 2024 19:53

Tgt Ion:180	Resp:	5647
Ion Ratio	Lower	Upper
180	100	
182	4605.8	47.8 143.3#
145	0.0	16.1 48.2#

