

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077479.D
 Acq On : 01 Nov 2023 14:33
 Operator : JC/SY
 Sample : 05196-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:55:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

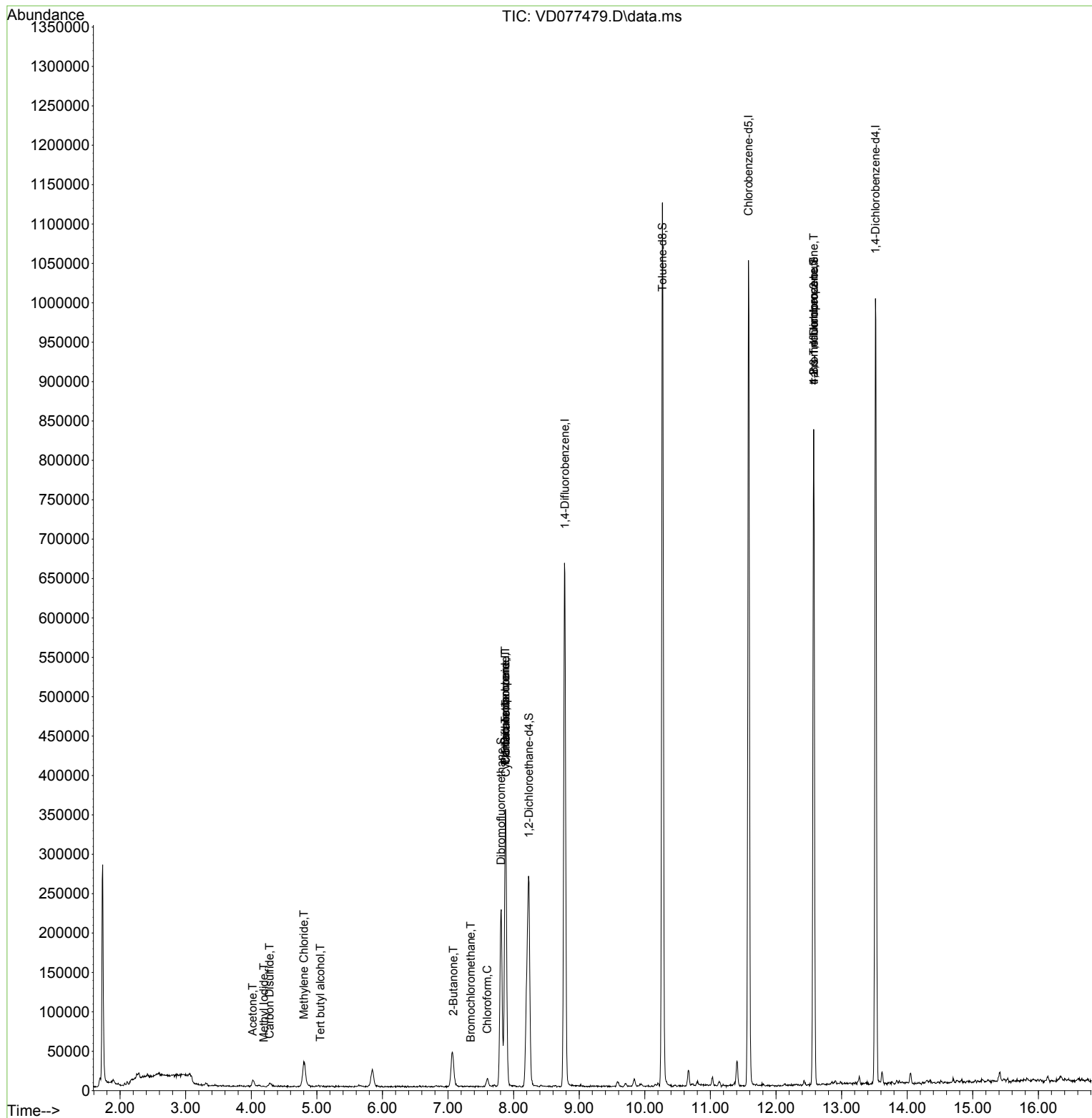
Internal Standards						
1) Pentafluorobenzene	7.875	168	258714	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	545986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	547552	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	249310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	185766	50.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.560%	
35) Dibromofluoromethane	7.810	113	161132	42.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.400%	
50) Toluene-d8	10.269	98	734339	50.099	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.575	95	253708	51.391	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.193	142	59	3.164	ug/l	# 46
11) Tert butyl alcohol	5.052	59	1082	3.734	ug/l	# 56
16) Acetone	4.022	43	13929	14.389	ug/l	91
17) Carbon Disulfide	4.281	76	3329	4.143	ug/l	# 63
20) Methylene Chloride	4.805	84	21567	3.687	ug/l	# 66
25) 2-Butanone	7.081	43	6012	4.656	ug/l	# 66
28) Bromochloromethane	7.346	49	56	2.123	ug/l	# 1
30) Chloroform	7.599	83	9145	1.424	ug/l	87
31) Cyclohexane	7.881	56	7427	1.299	ug/l	# 37
36) 1,1-Dichloropropene	7.875	75	24158	4.318	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	26926	5.107	ug/l	# 14
76) 1,2,3-Trichloropropane	12.575	75	145674	48.009	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	145674	92.735	ug/l	# 17

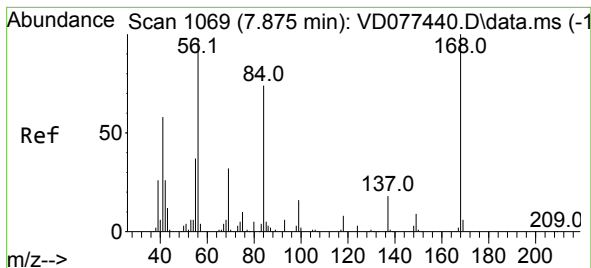
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

Instrument :

MSVOA_D

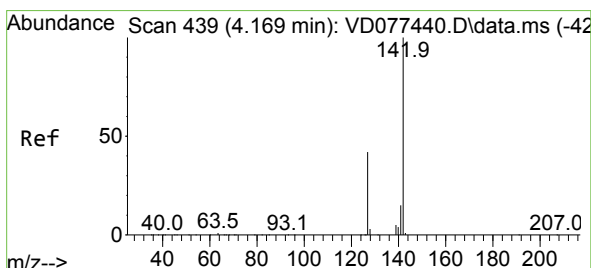
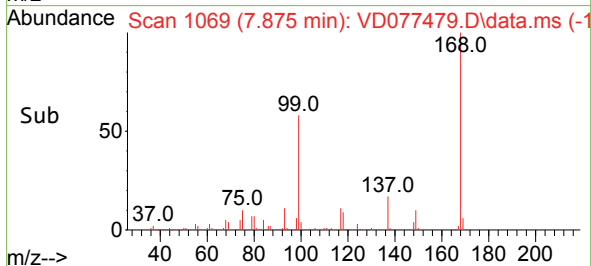
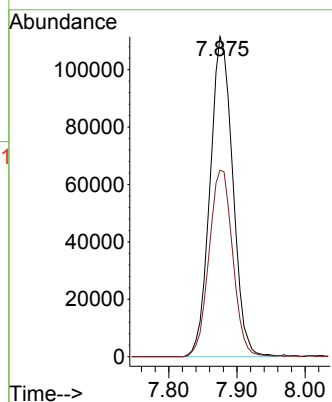
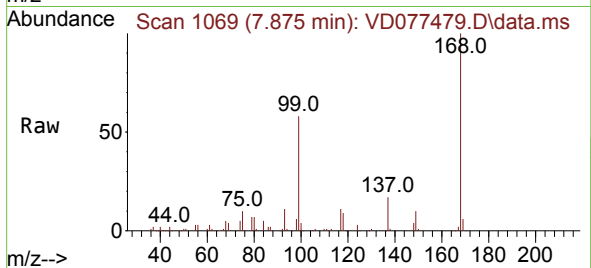
ClientSampleId :

Tgt Ion:168 Resp: 258714

Ion Ratio Lower Upper

168 100

99 58.3 36.7 55.1#



#10

Methyl Iodide

Concen: 3.164 ug/l

RT: 4.193 min Scan# 443

Delta R.T. 0.024 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

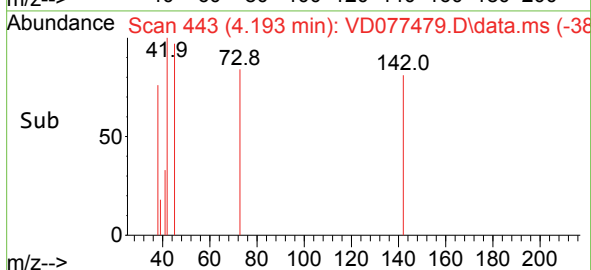
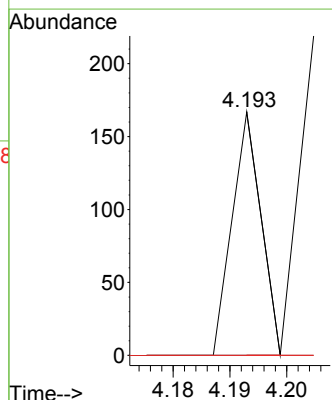
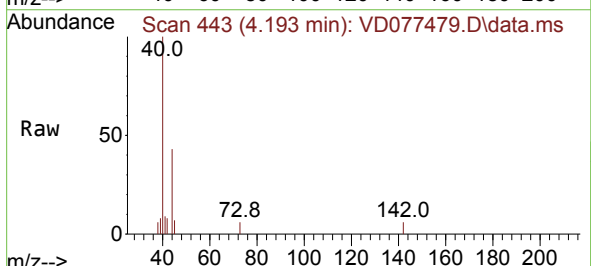
Tgt Ion:142 Resp: 59

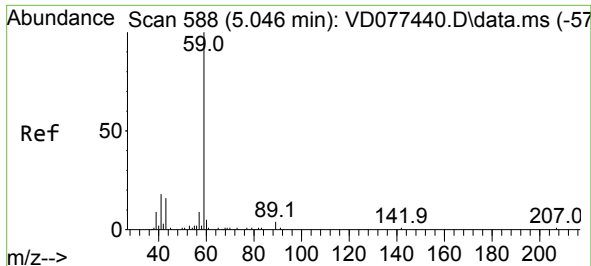
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

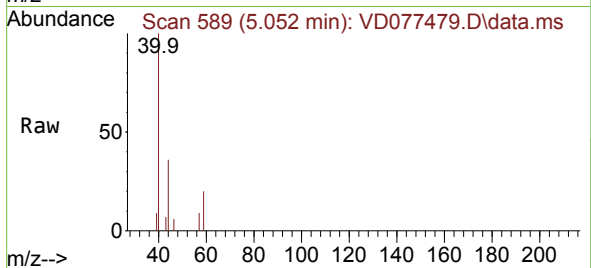
141 0.0 11.1 16.7#



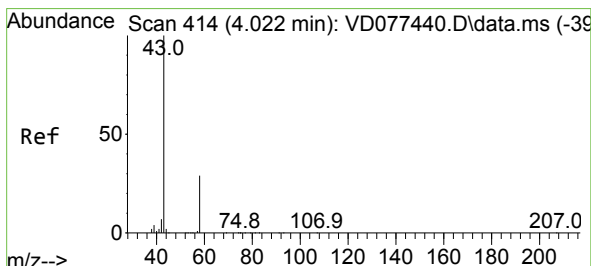
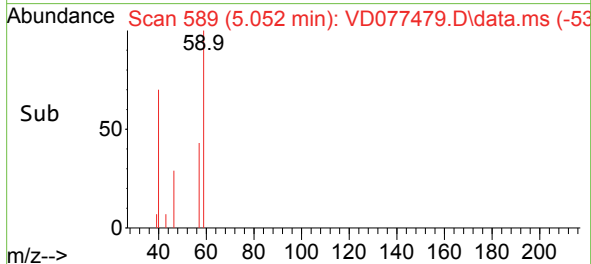
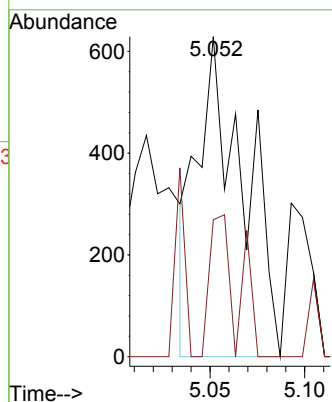


#11
Tert butyl alcohol
Concen: 3.734 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

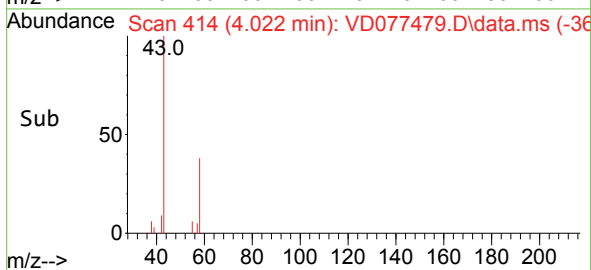
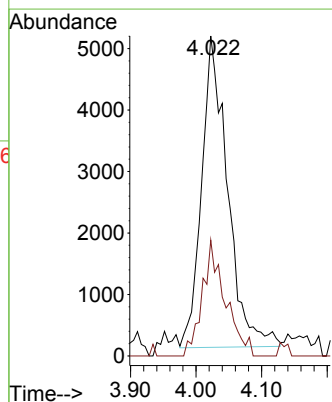
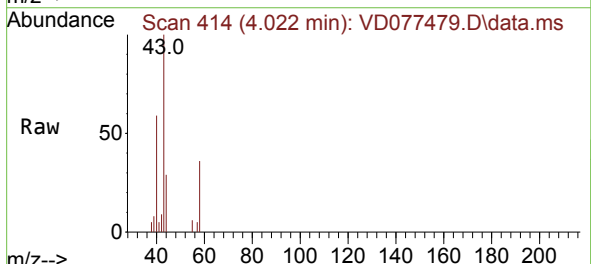


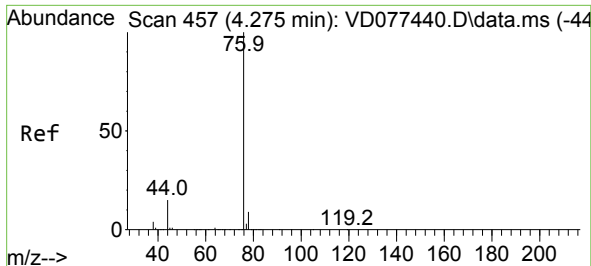
Tgt Ion: 59 Resp: 1082
Ion Ratio Lower Upper
59 100
57 26.0 7.8 11.8#



#16
Acetone
Concen: 14.389 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

Tgt Ion: 43 Resp: 13929
Ion Ratio Lower Upper
43 100
58 37.3 34.7 52.1

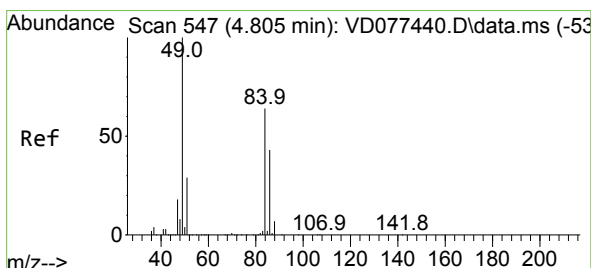
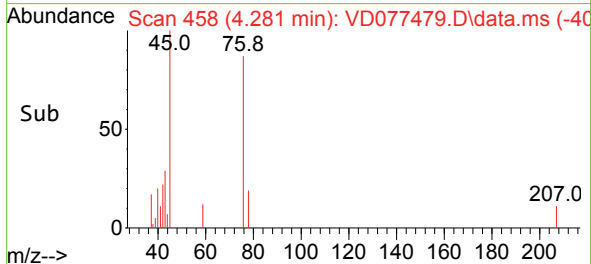
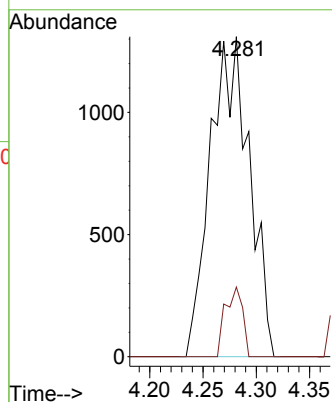
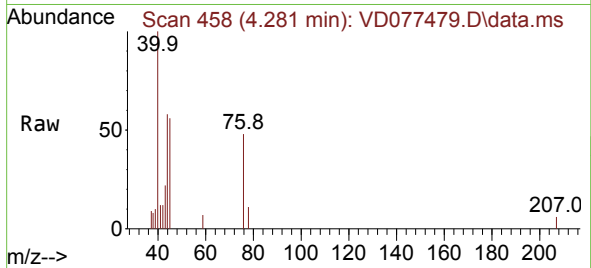




#17
Carbon Disulfide
Concen: 4.143 ug/l
RT: 4.281 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

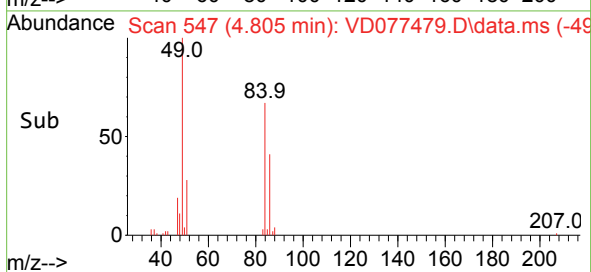
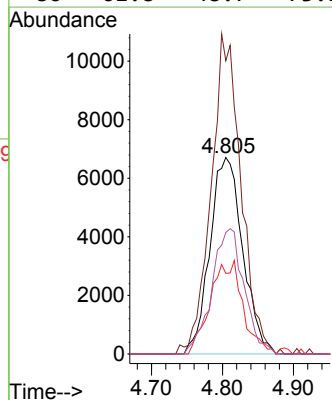
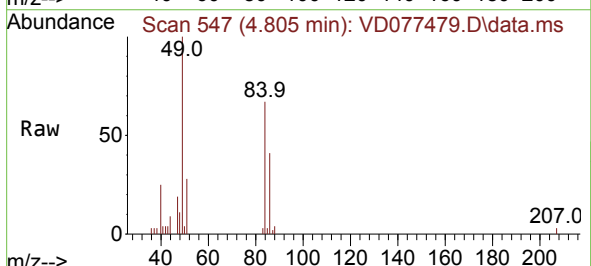
Instrument :
MSVOA_D
ClientSampleId :

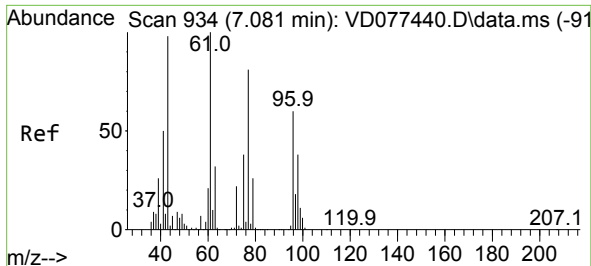
Tgt Ion: 76 Resp: 3329
Ion Ratio Lower Upper
76 100
78 21.8 6.8 10.2#



#20
Methylene Chloride
Concen: 3.687 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

Tgt Ion: 84 Resp: 21567
Ion Ratio Lower Upper
84 100
49 147.0 71.4 107.2#
51 41.1 24.5 36.7#
86 61.8 48.7 73.1





#25

2-Butanone

Concen: 4.656 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

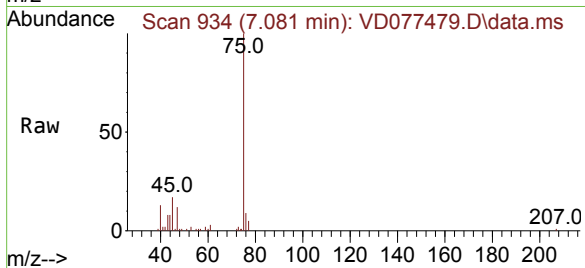
Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

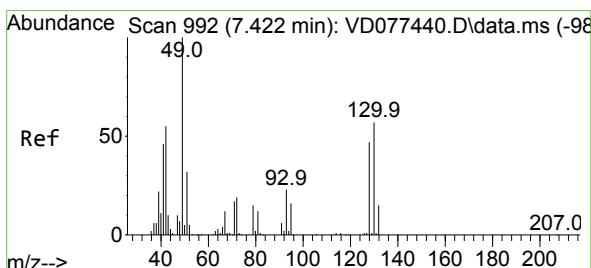
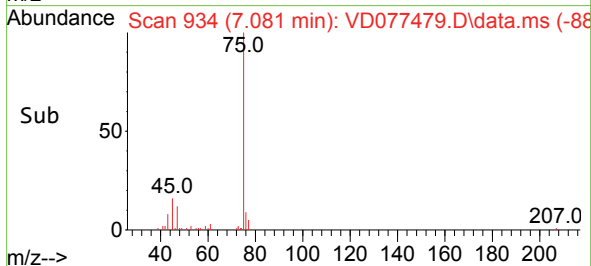
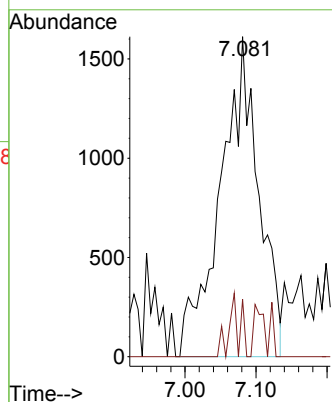


Tgt Ion: 43 Resp: 6012

Ion Ratio Lower Upper

43 100

72 18.0 30.7 46.1#



#28

Bromochloromethane

Concen: 2.123 ug/l

RT: 7.346 min Scan# 979

Delta R.T. -0.076 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

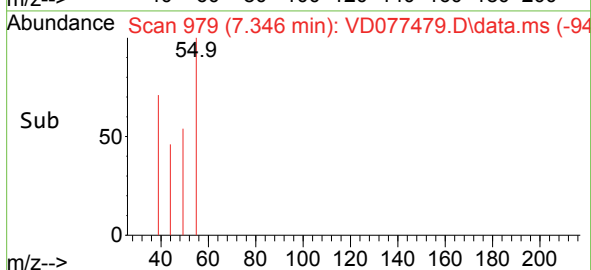
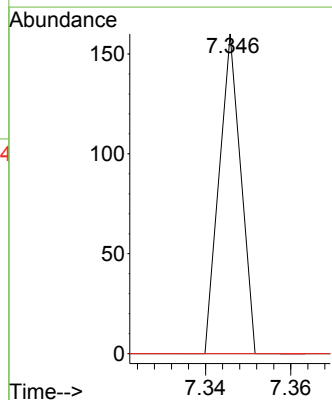
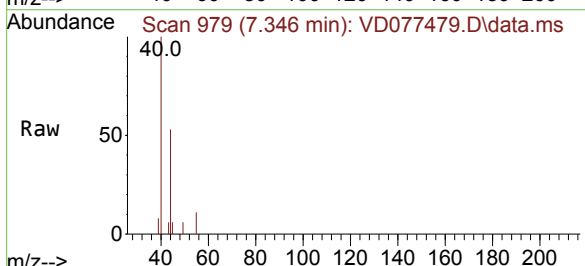
Tgt Ion: 49 Resp: 56

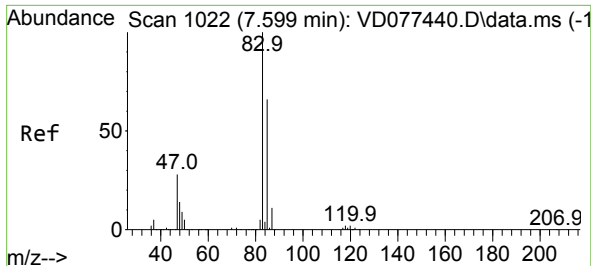
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#

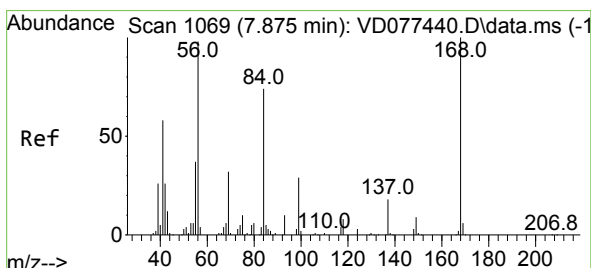
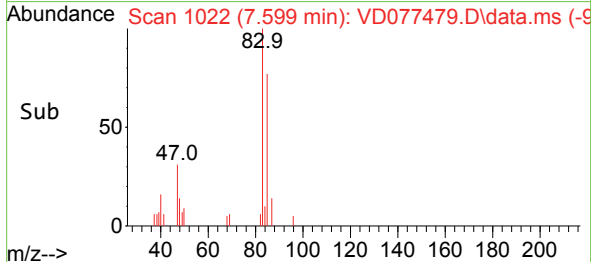
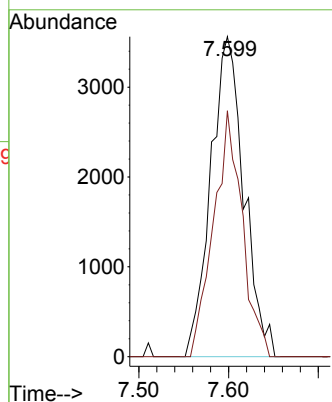
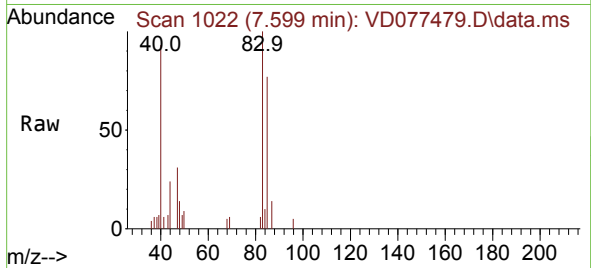




#30
Chloroform
Concen: 1.424 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

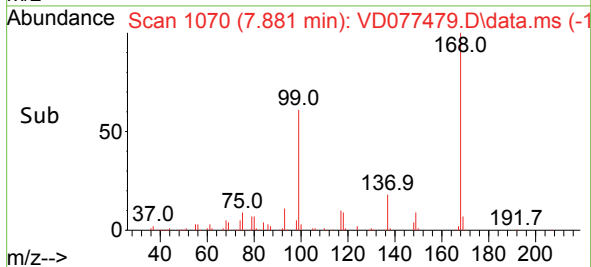
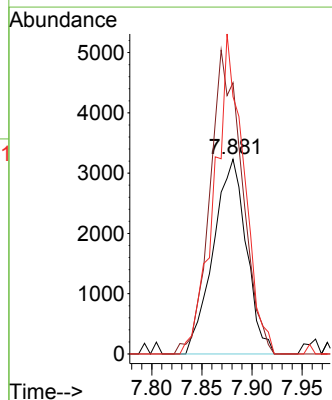
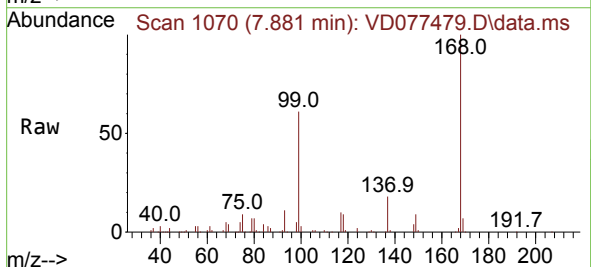
Instrument :
MSVOA_D
ClientSampleId :

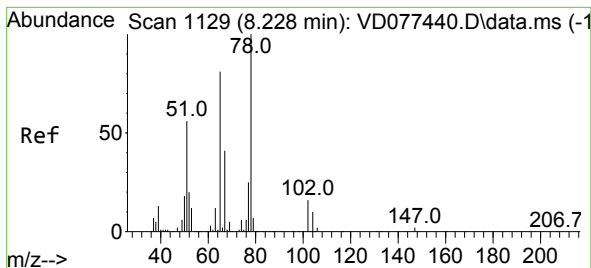
Tgt Ion: 83 Resp: 9145
Ion Ratio Lower Upper
83 100
85 76.8 53.4 80.2



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

Tgt Ion: 56 Resp: 7427
Ion Ratio Lower Upper
56 100
69 139.3 28.6 43.0#
84 132.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 50.779 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

Instrument :

MSVOA_D

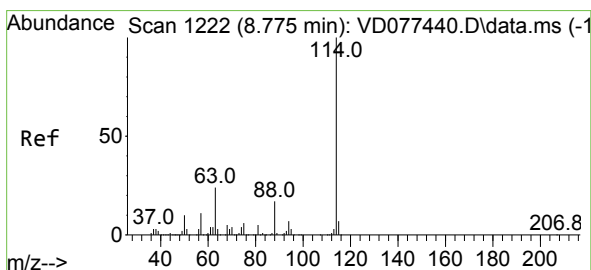
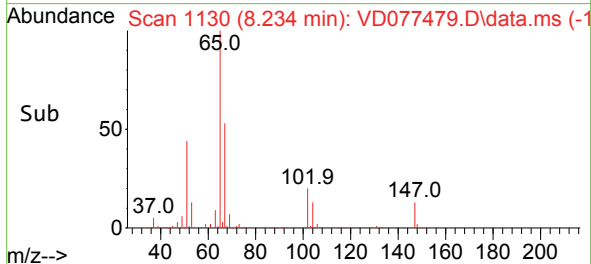
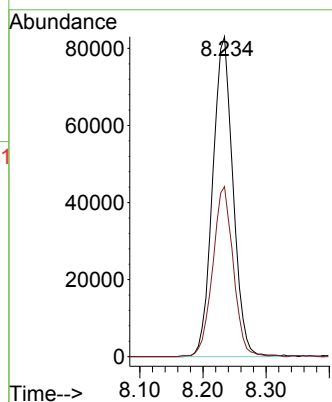
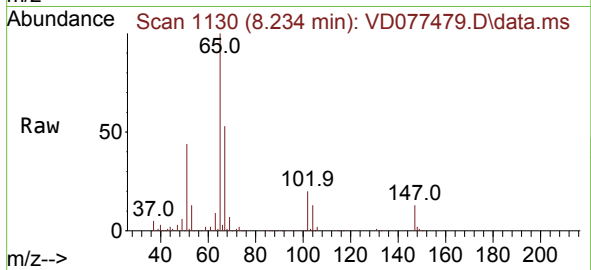
ClientSampleId :

Tgt Ion: 65 Resp: 185766

Ion Ratio Lower Upper

65 100

67 53.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

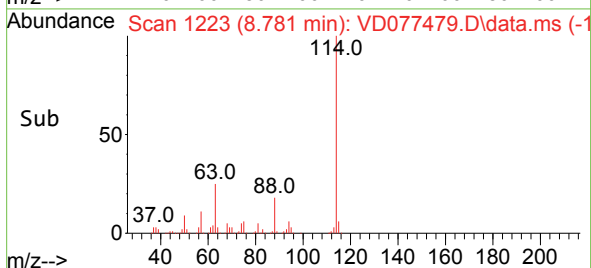
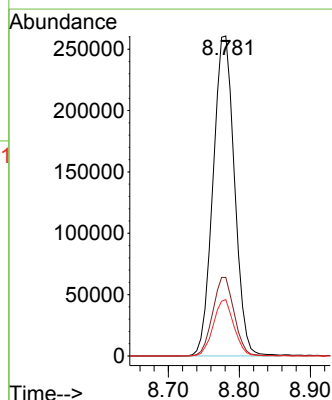
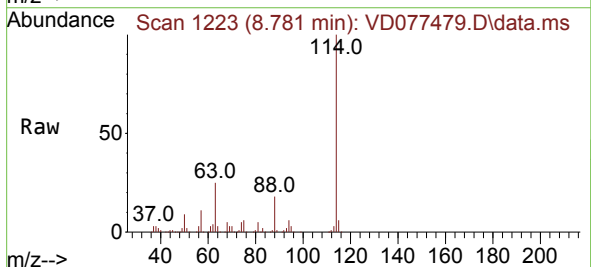
Tgt Ion: 114 Resp: 545986

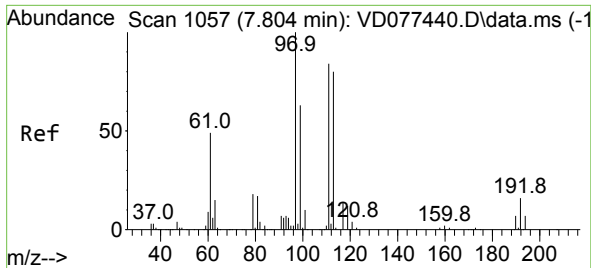
Ion Ratio Lower Upper

114 100

63 24.5 0.0 33.4

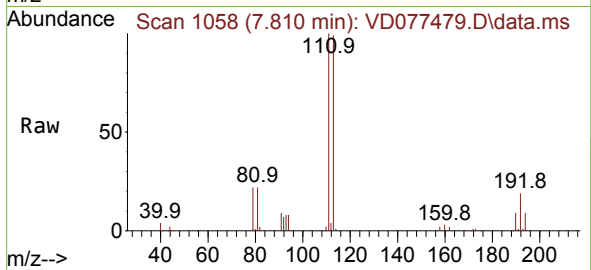
88 17.6 0.0 26.2



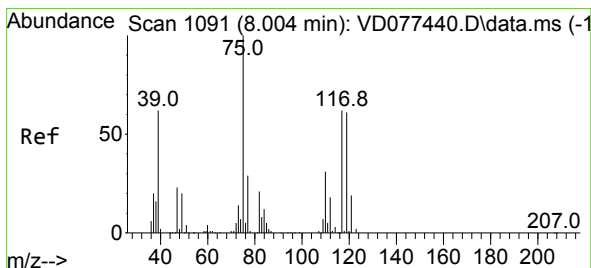
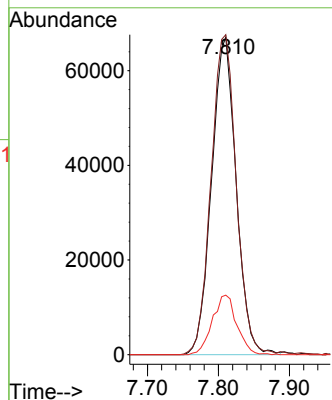
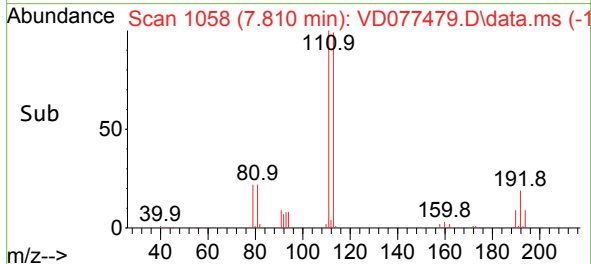


#35
Dibromofluoromethane
Concen: 42.699 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

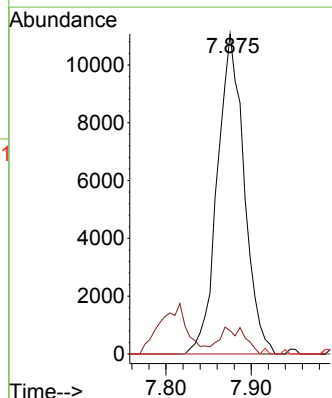
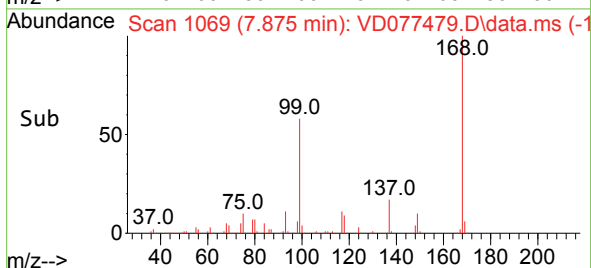
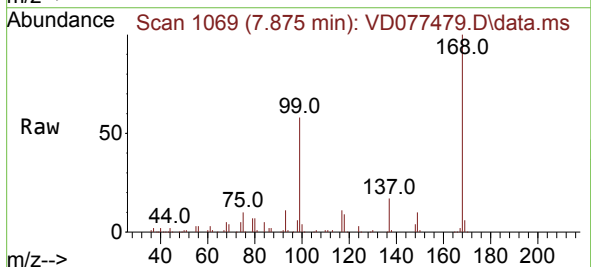


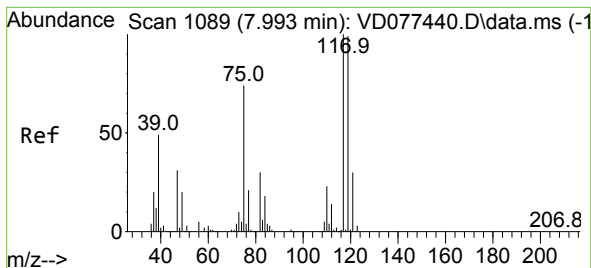
Tgt Ion:113 Resp: 161132
Ion Ratio Lower Upper
113 100
111 103.2 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.318 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

Tgt Ion: 75 Resp: 24158
Ion Ratio Lower Upper
75 100
110 7.8 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.107 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

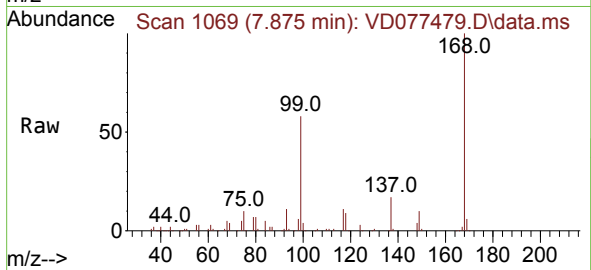
Lab File: VD077479.D

Acq: 01 Nov 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :



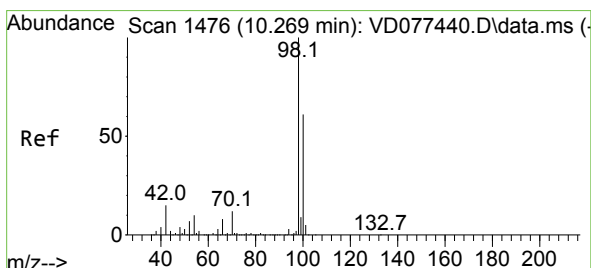
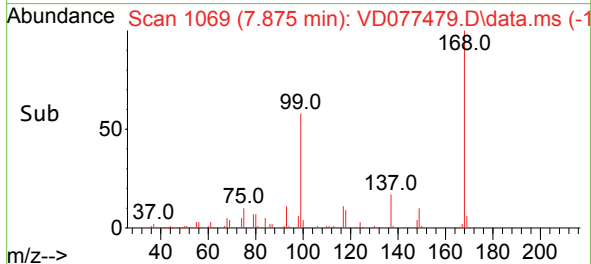
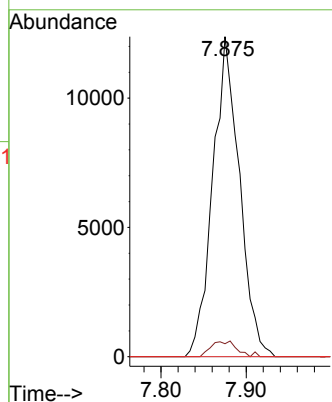
Tgt Ion:117 Resp: 26926

Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.099 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077479.D

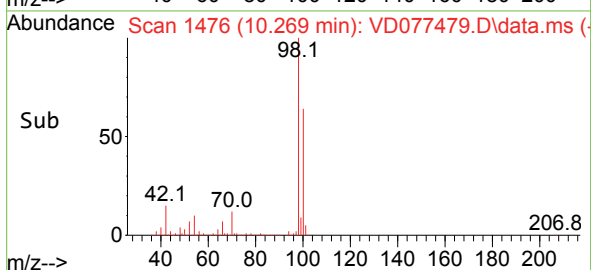
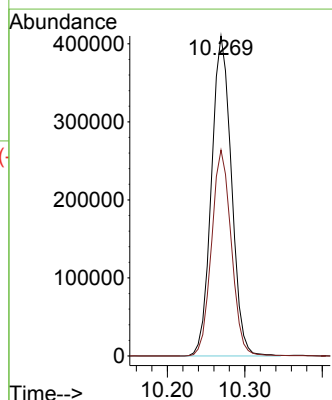
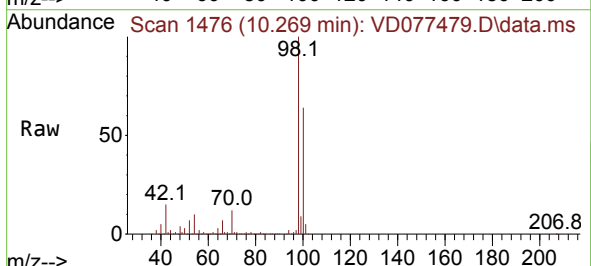
Acq: 01 Nov 2023 14:33

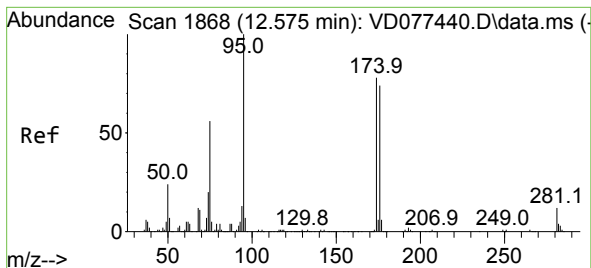
Tgt Ion: 98 Resp: 734339

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

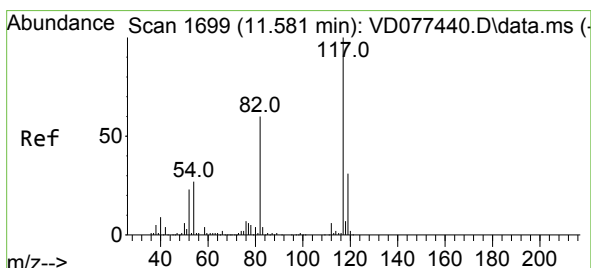
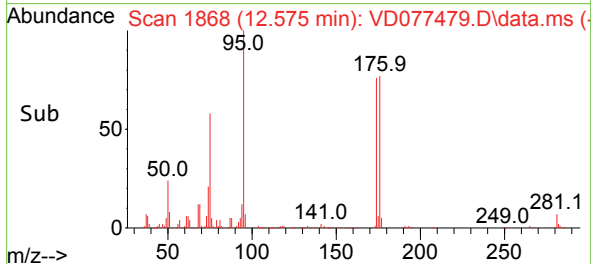
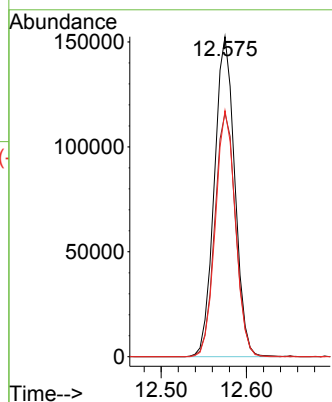
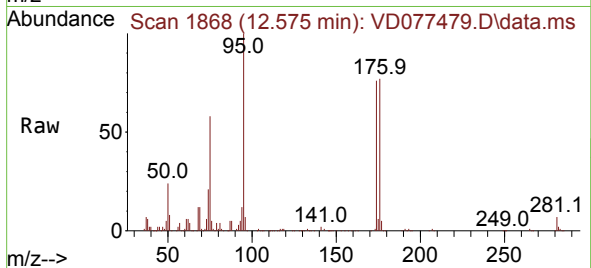




#62
4-Bromofluorobenzene
Concen: 51.391 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

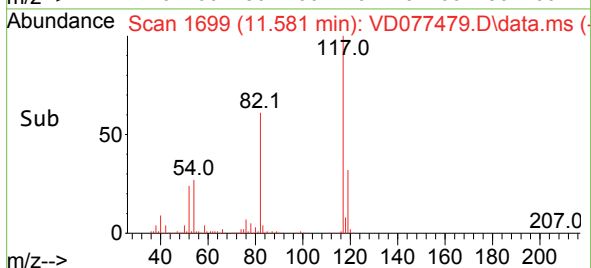
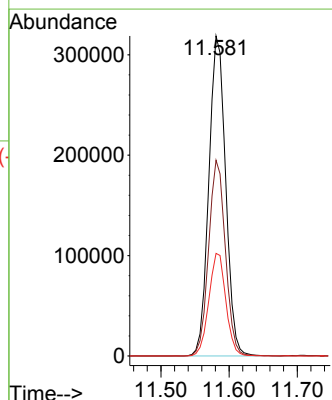
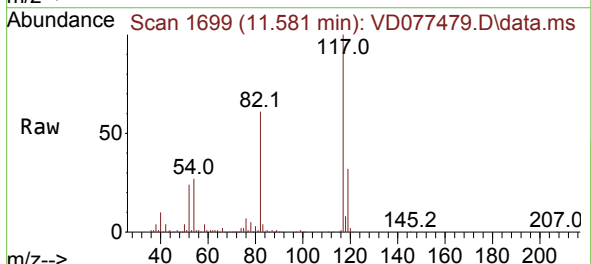
Instrument :
MSVOA_D
ClientSampleId :

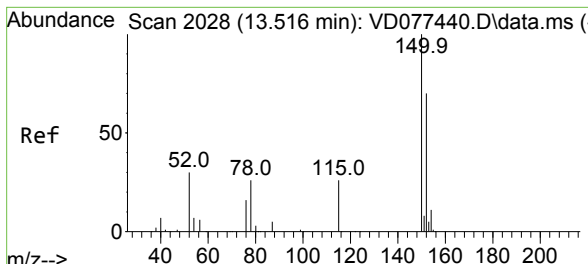
Tgt Ion: 95 Resp: 253708
Ion Ratio Lower Upper
95 100
174 77.3 0.0 201.8
176 75.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077479.D
Acq: 01 Nov 2023 14:33

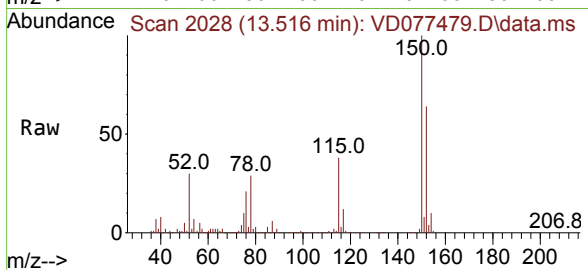
Tgt Ion: 117 Resp: 547552
Ion Ratio Lower Upper
117 100
82 61.2 38.3 57.5#
119 32.1 25.0 37.4



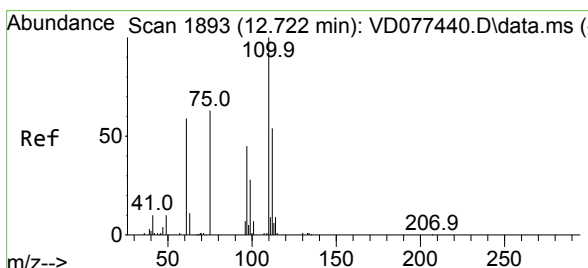
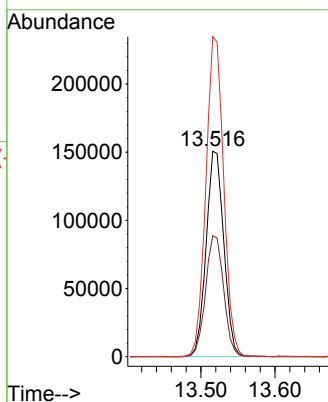
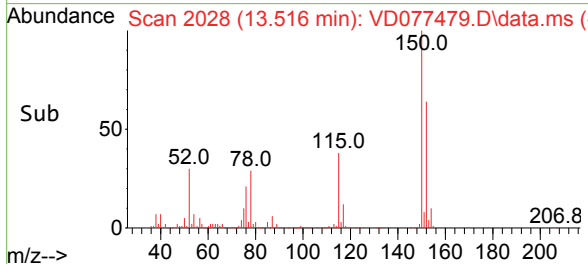


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077479.D
 Acq: 01 Nov 2023 14:33

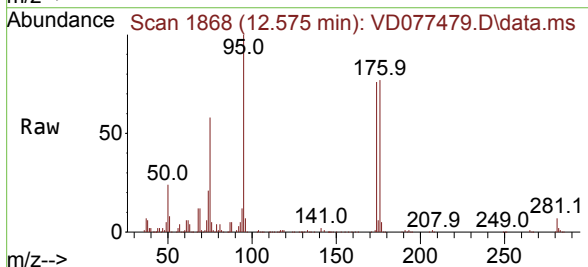
Instrument :
 MSVOA_D
 ClientSampleId :



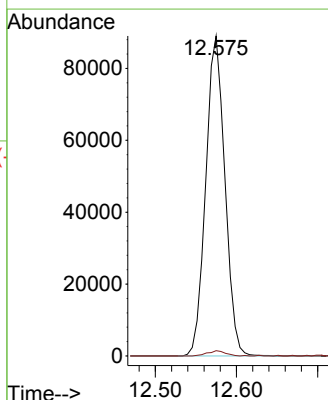
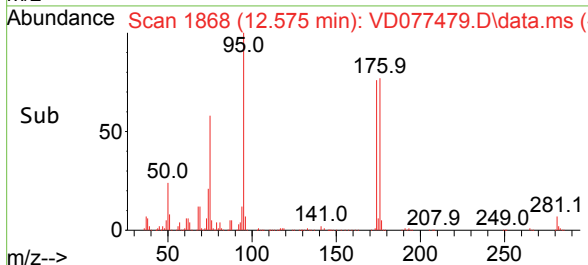
Tgt Ion:152 Resp: 249310
 Ion Ratio Lower Upper
 152 100
 115 60.6 27.1 81.3
 150 157.2 0.0 353.6

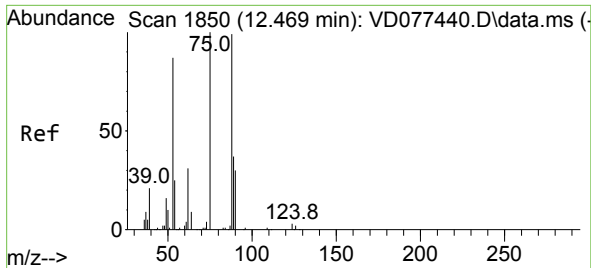


#76
 1,2,3-Trichloropropane
 Concen: 48.009 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077479.D
 Acq: 01 Nov 2023 14:33



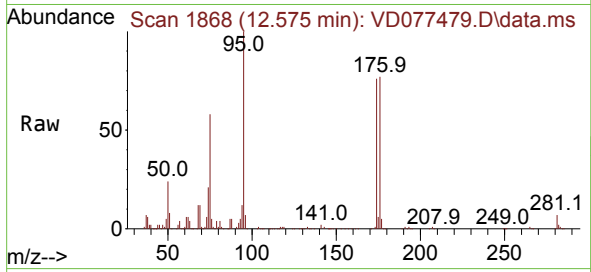
Tgt Ion: 75 Resp: 145674
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.735 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077479.D
 Acq: 01 Nov 2023 14:33

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 145674
 Ion Ratio Lower Upper
 75 100
 53 0.1 63.0 94.4#
 89 0.0 37.9 56.9#

