

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077477.D
 Acq On : 01 Nov 2023 13:38
 Operator : JC/SY
 Sample : 05198-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:54:58 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)

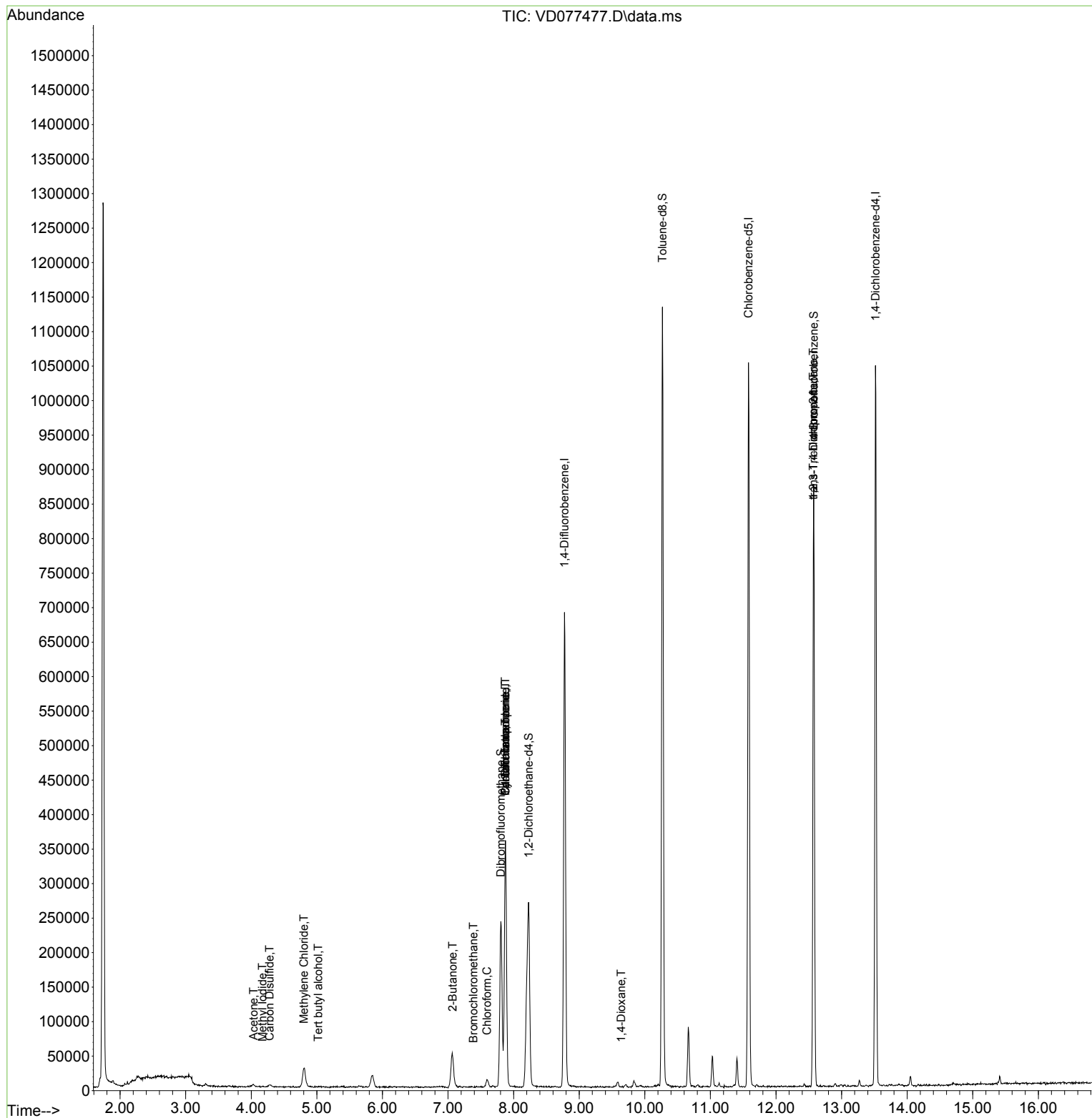
Internal Standards						
1) Pentafluorobenzene	7.875	168	261310	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	555753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	556303	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	253943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	181820	49.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.420%
35) Dibromofluoromethane	7.805	113	175808	45.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.540%
50) Toluene-d8	10.269	98	745689	49.979	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.575	95	261108	51.960	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.920%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	78	3.169	ug/l	# 17
11) Tert butyl alcohol	5.022	59	782	2.672	ug/l	# 68
16) Acetone	4.034	43	8059	8.242	ug/l	# 73
17) Carbon Disulfide	4.281	76	3181	4.122	ug/l	# 76
20) Methylene Chloride	4.805	84	17895	2.575	ug/l	# 65
25) 2-Butanone	7.069	43	3912	3.000	ug/l	# 37
28) Bromochloromethane	7.387	49	70	2.127	ug/l	# 1
30) Chloroform	7.593	83	10153	1.566	ug/l	100
31) Cyclohexane	7.875	56	7634	1.322	ug/l	# 45
36) 1,1-Dichloropropene	7.875	75	24919	4.376	ug/l	# 48
38) Carbon Tetrachloride	7.875	117	26475	4.933	ug/l	# 15
49) 1,4-Dioxane	9.640	88	71	2.872	ug/l	# 1
76) 1,2,3-Trichloropropane	12.569	75	148901	48.177	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	148901	93.060	ug/l	# 17

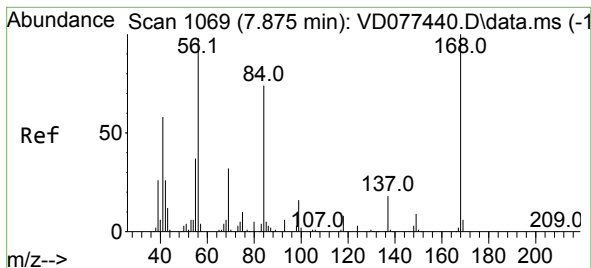
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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: VD077477.D

Acq: 01 Nov 2023 13:38

Instrument :

MSVOA_D

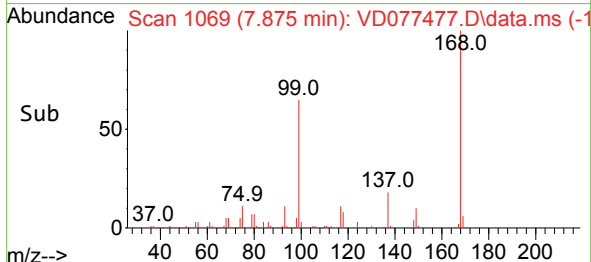
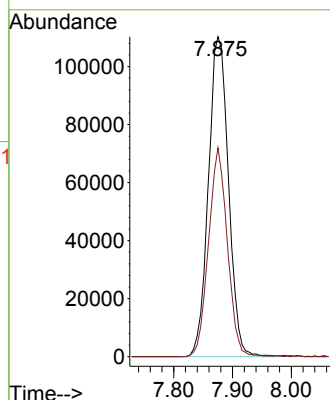
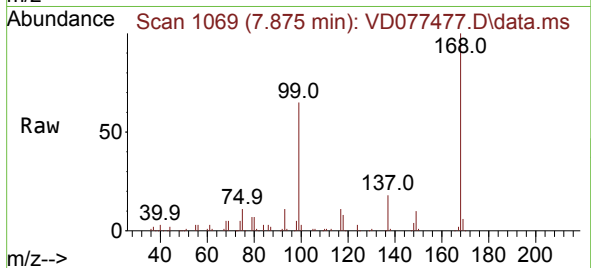
ClientSampleId :

Tgt Ion:168 Resp: 261310

Ion Ratio Lower Upper

168 100

99 65.3 36.7 55.1#



#10

Methyl Iodide

Concen: 3.169 ug/l

RT: 4.169 min Scan# 439

Delta R.T. 0.000 min

Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

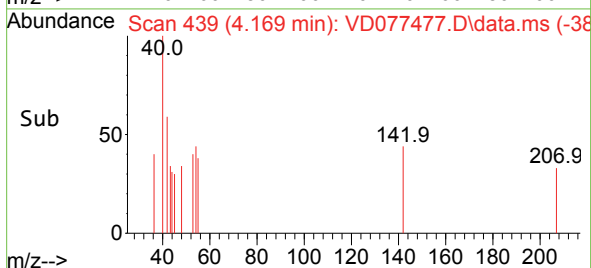
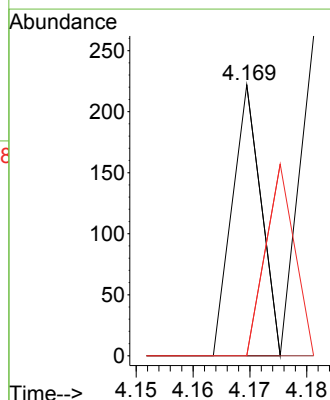
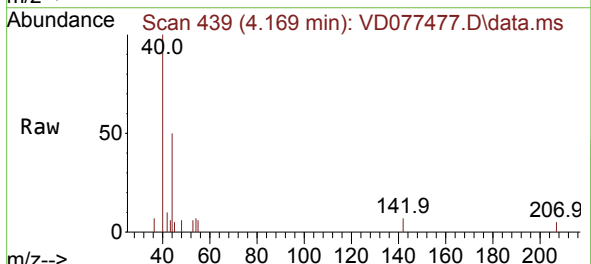
Tgt Ion:142 Resp: 78

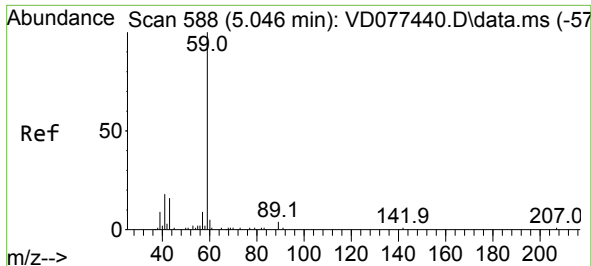
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 70.5 11.1 16.7#





#11

Tert butyl alcohol

Concen: 2.672 ug/l

RT: 5.022 min Scan# 51

Delta R.T. -0.023 min

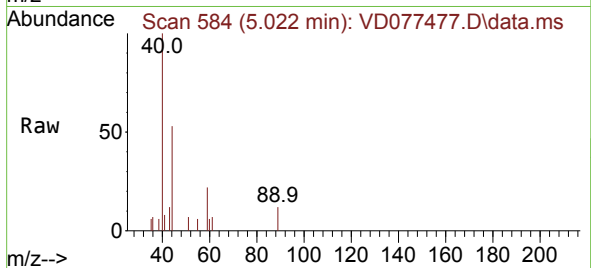
Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

Instrument :

MSVOA_D

ClientSampleId :

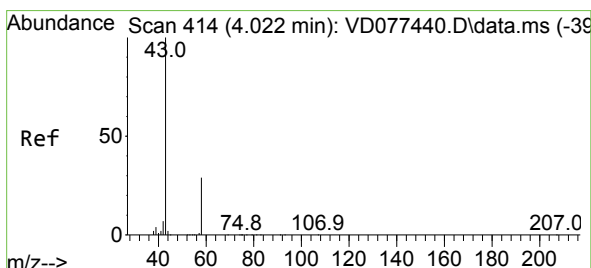
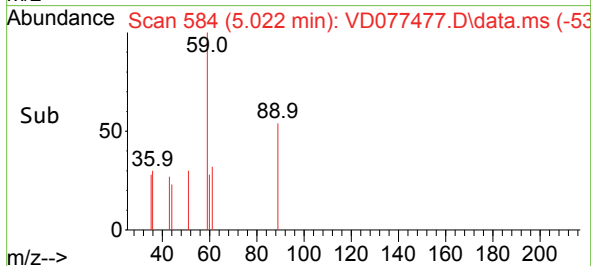
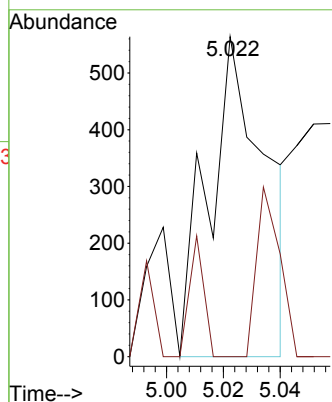


Tgt Ion: 59 Resp: 782

Ion Ratio Lower Upper

59 100

57 21.6 7.8 11.8#



#16

Acetone

Concen: 8.242 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD077477.D

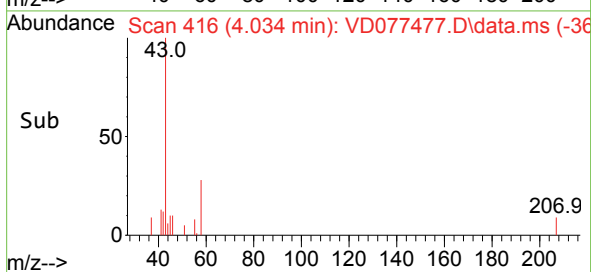
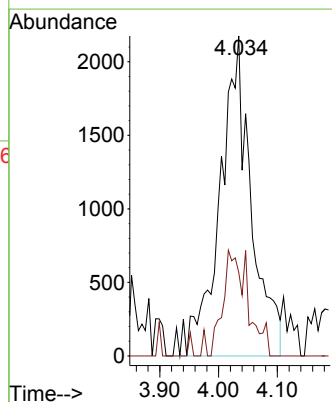
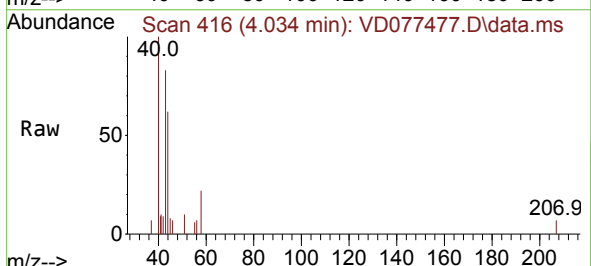
Acq: 01 Nov 2023 13:38

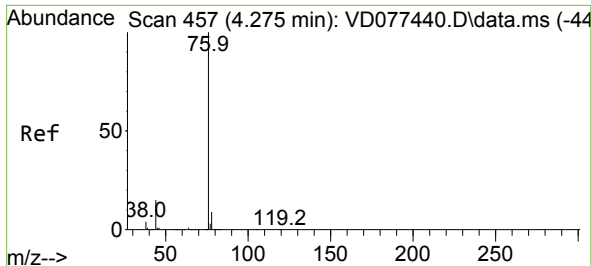
Tgt Ion: 43 Resp: 8059

Ion Ratio Lower Upper

43 100

58 26.1 34.7 52.1#

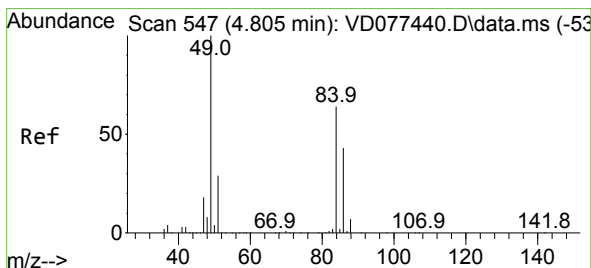
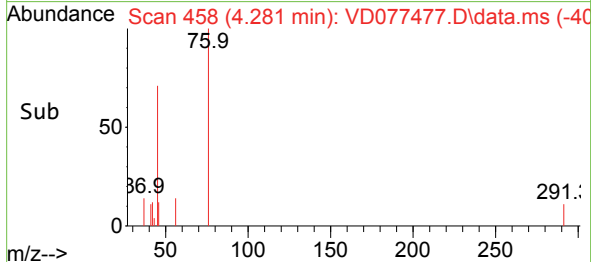
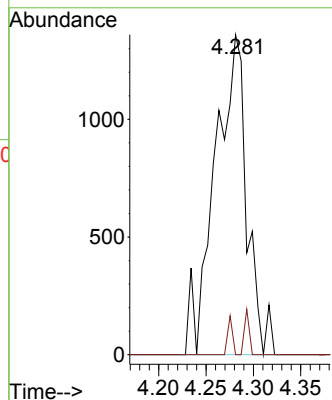
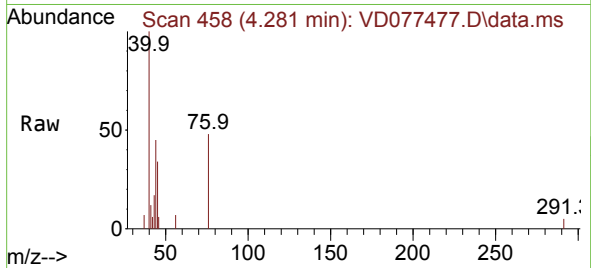




#17
Carbon Disulfide
Concen: 4.122 ug/l
RT: 4.281 min Scan# 458
Delta R.T. 0.006 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

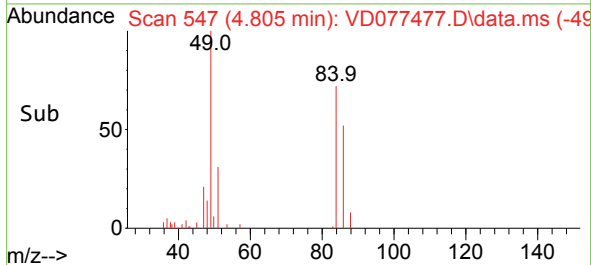
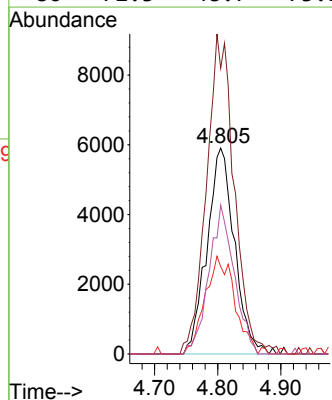
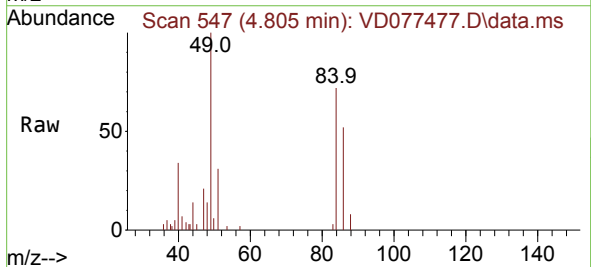
Instrument :
MSVOA_D
ClientSampleId :

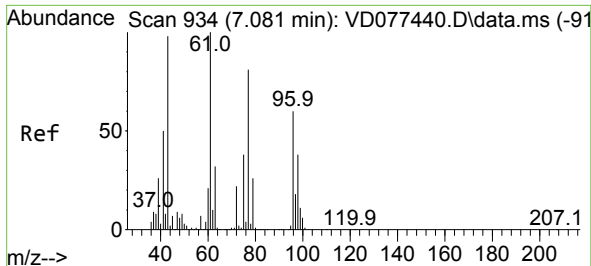
Tgt Ion: 76 Resp: 3181
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 2.575 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

Tgt Ion: 84 Resp: 17895
Ion Ratio Lower Upper
84 100
49 138.8 71.4 107.2#
51 42.5 24.5 36.7#
86 72.3 48.7 73.1

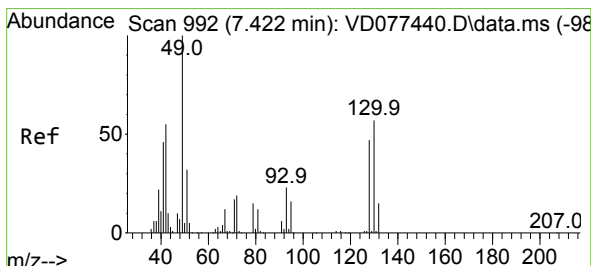
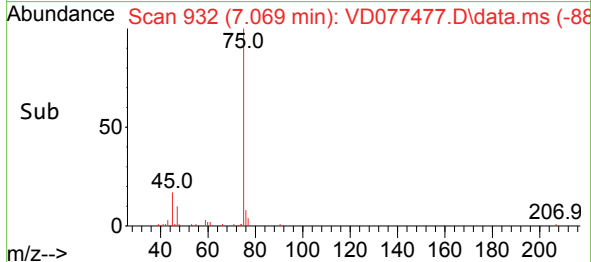
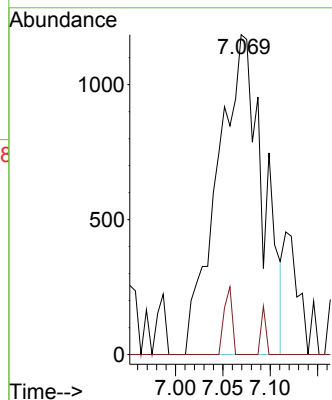
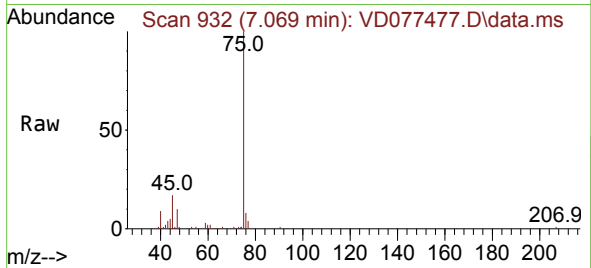




#25
2-Butanone
Concen: 3.000 ug/l
RT: 7.069 min Scan# 912
Delta R.T. -0.012 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

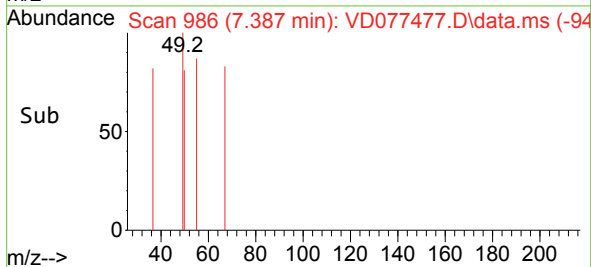
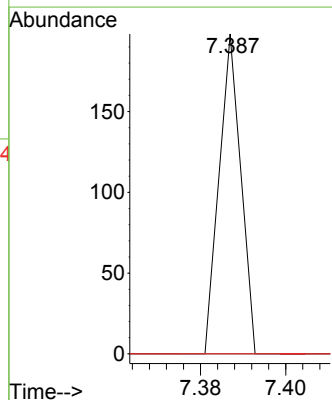
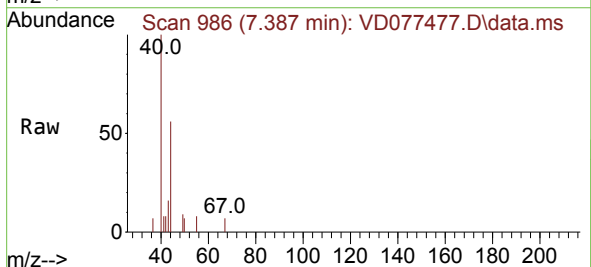
Instrument :
MSVOA_D
ClientSampleId :

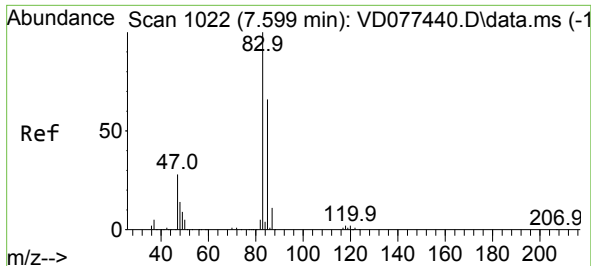
Tgt Ion: 43 Resp: 3912
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: 2.127 ug/l
RT: 7.387 min Scan# 986
Delta R.T. -0.035 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

Tgt Ion: 49 Resp: 70
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#30

Chloroform

Concen: 1.566 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

Instrument :

MSVOA_D

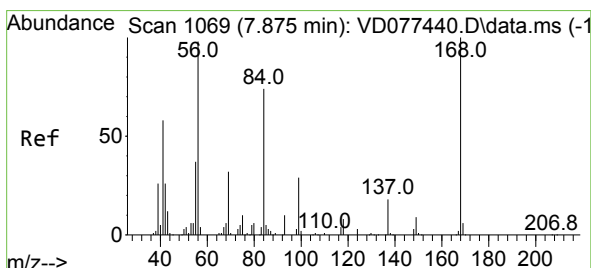
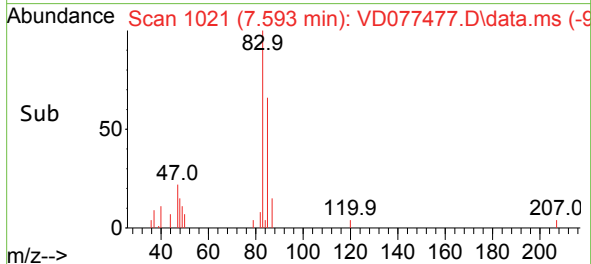
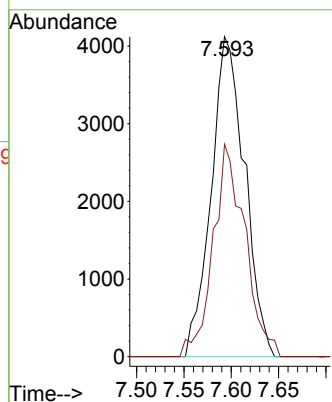
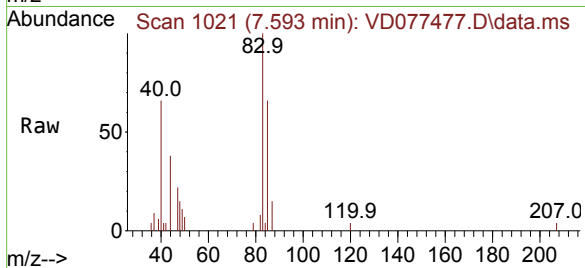
ClientSampleId :

Tgt Ion: 83 Resp: 10153

Ion Ratio Lower Upper

83 100

85 66.4 53.4 80.2



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

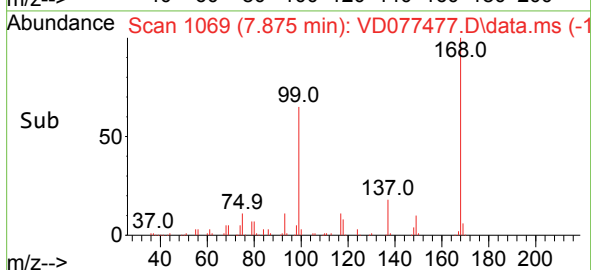
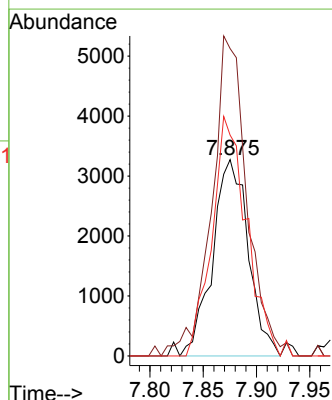
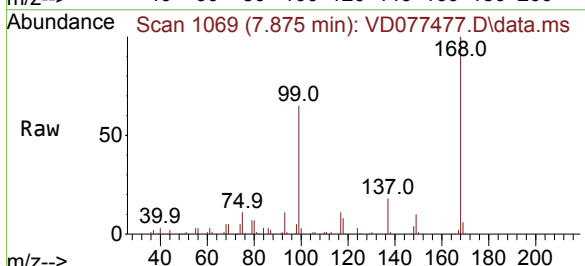
Tgt Ion: 56 Resp: 7634

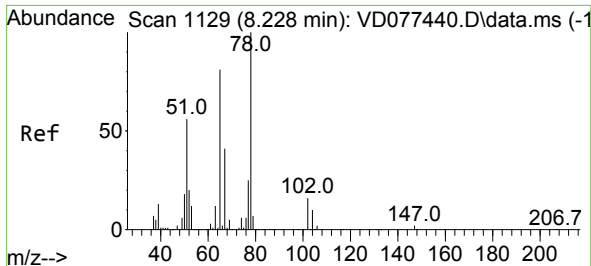
Ion Ratio Lower Upper

56 100

69 151.7 28.6 43.0#

84 112.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 49.206 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

Instrument :

MSVOA_D

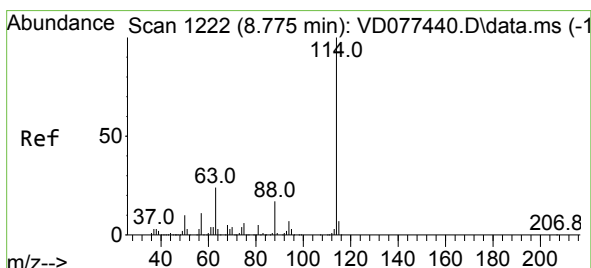
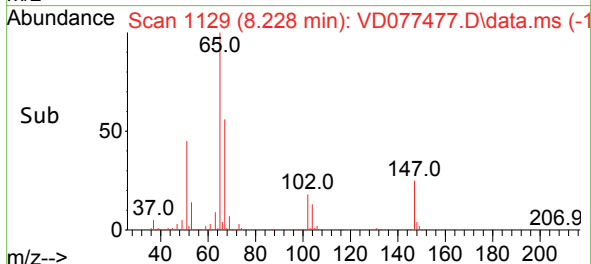
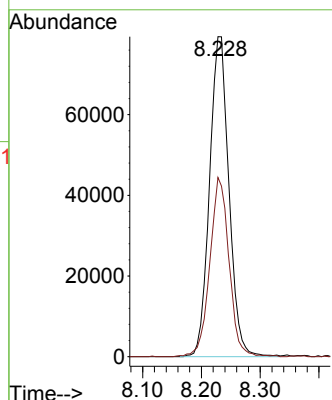
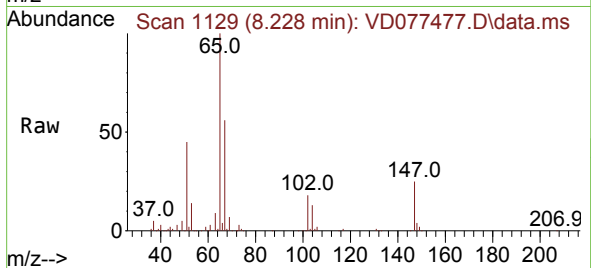
ClientSampleId :

Tgt Ion: 65 Resp: 181820

Ion Ratio Lower Upper

65 100

67 55.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

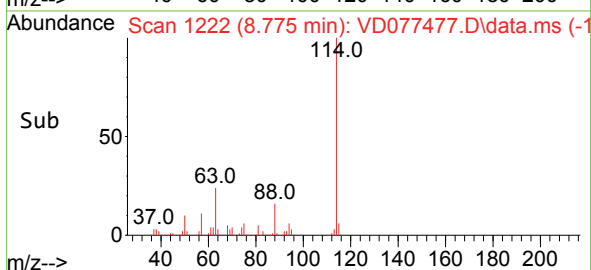
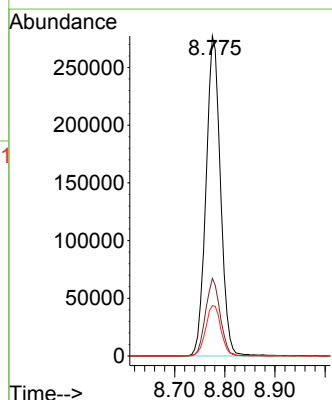
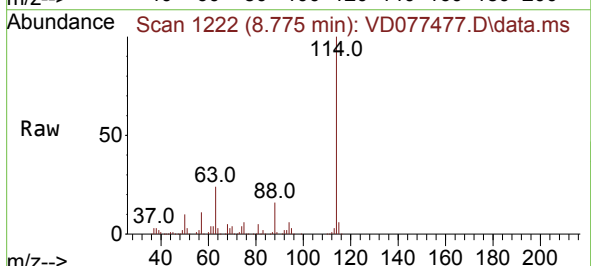
Tgt Ion: 114 Resp: 555753

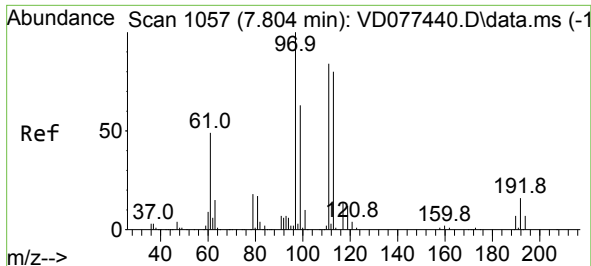
Ion Ratio Lower Upper

114 100

63 24.2 0.0 33.4

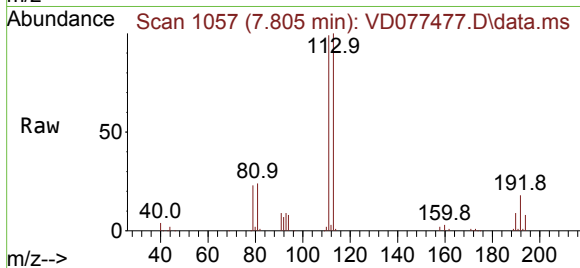
88 15.8 0.0 26.2



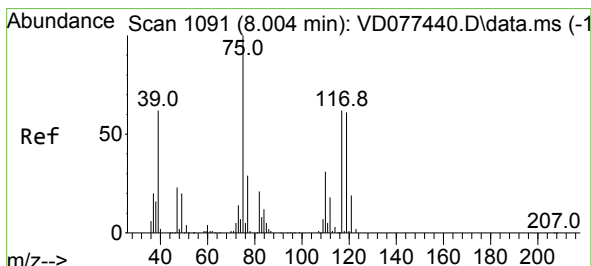
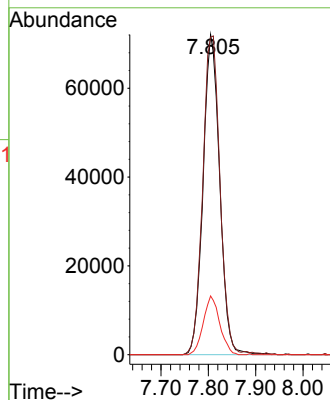
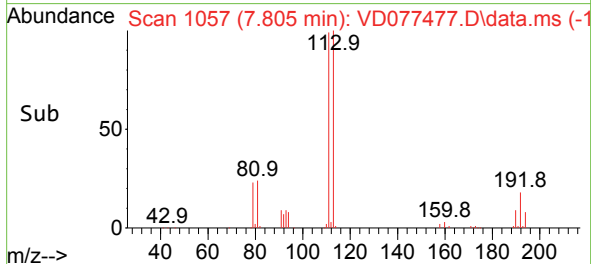


#35
Dibromofluoromethane
Concen: 45.770 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

Instrument :
MSVOA_D
ClientSampleId :

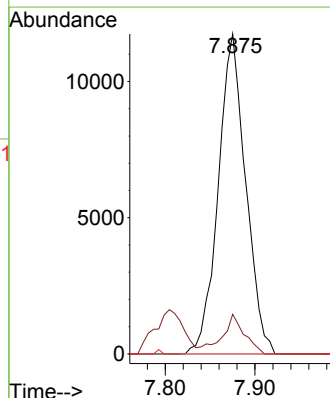
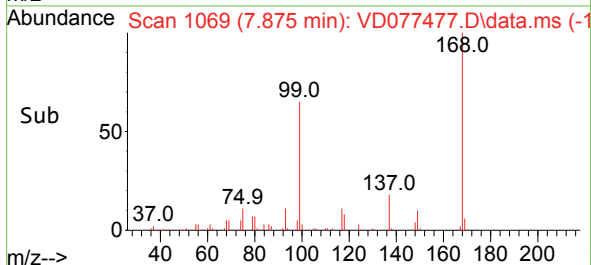
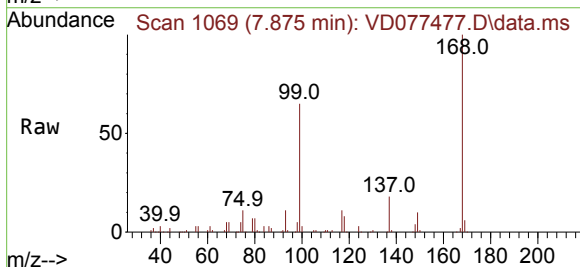


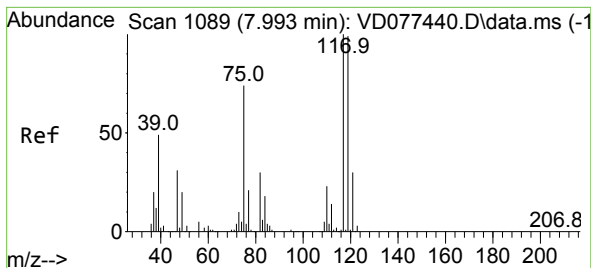
Tgt Ion:113 Resp: 175808
Ion Ratio Lower Upper
113 100
111 102.8 84.7 127.1
192 18.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.376 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

Tgt Ion: 75 Resp: 24919
Ion Ratio Lower Upper
75 100
110 10.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.933 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

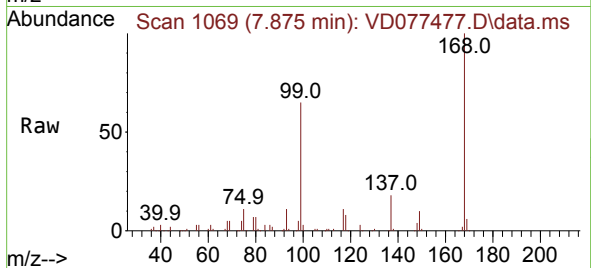
Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

Instrument :

MSVOA_D

ClientSampleId :



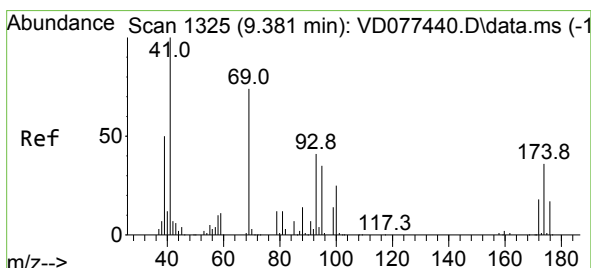
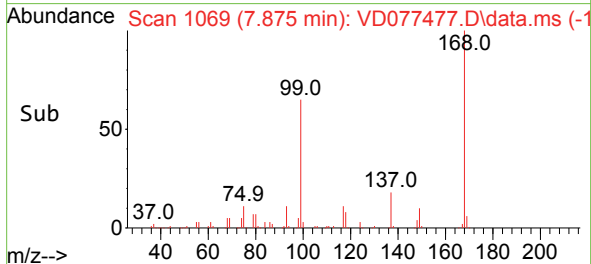
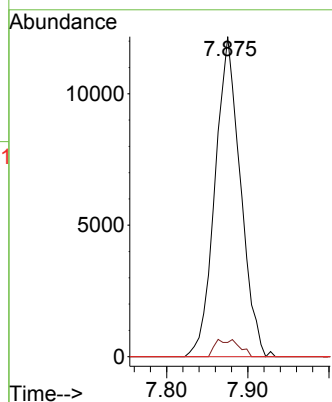
Tgt Ion:117 Resp: 26475

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 2.872 ug/l

RT: 9.640 min Scan# 1369

Delta R.T. 0.259 min

Lab File: VD077477.D

Acq: 01 Nov 2023 13:38

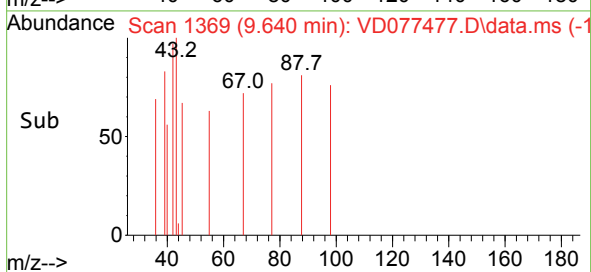
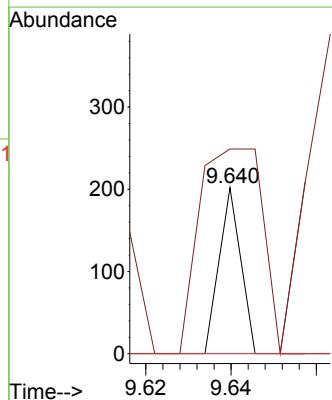
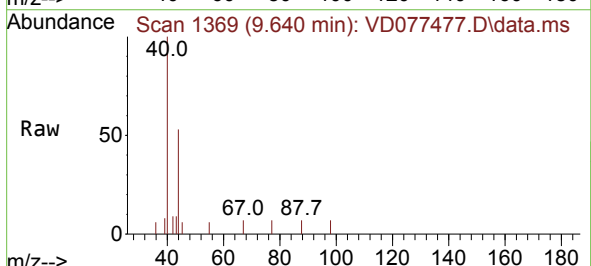
Tgt Ion: 88 Resp: 71

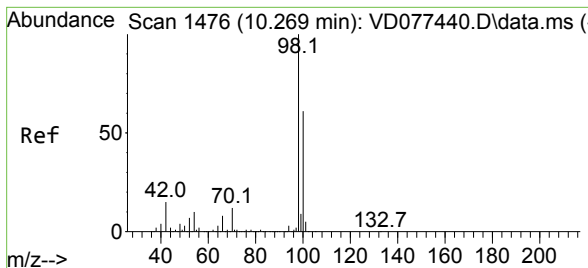
Ion Ratio Lower Upper

88 100

43 360.6 19.0 28.6#

58 0.0 43.5 65.3#

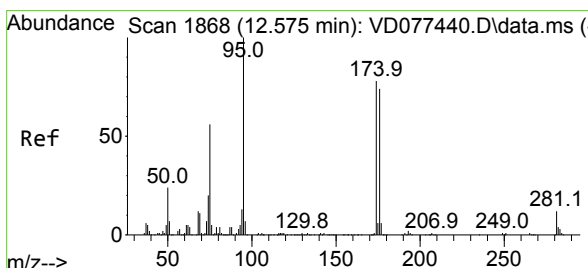
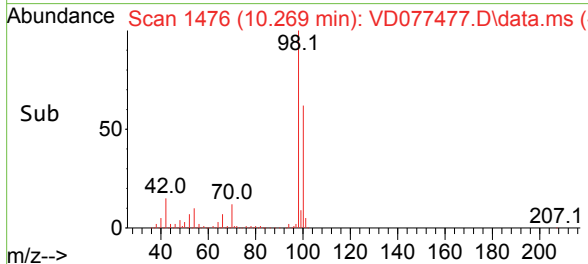
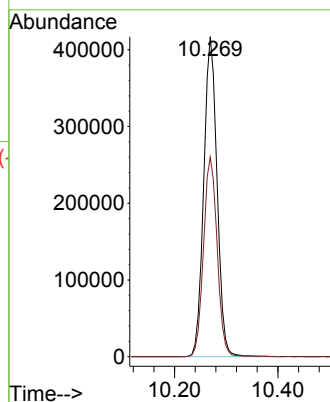
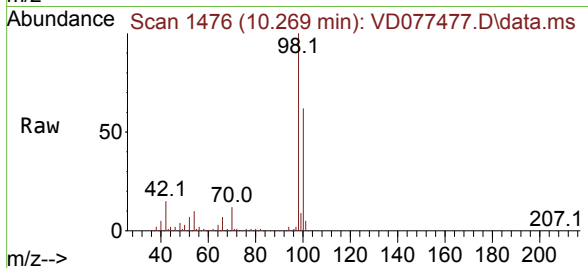




#50
Toluene-d8
Concen: 49.979 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

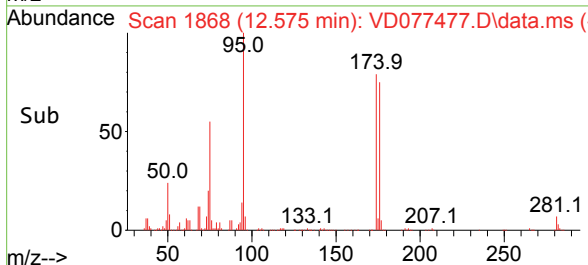
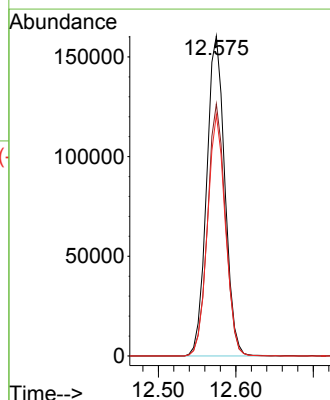
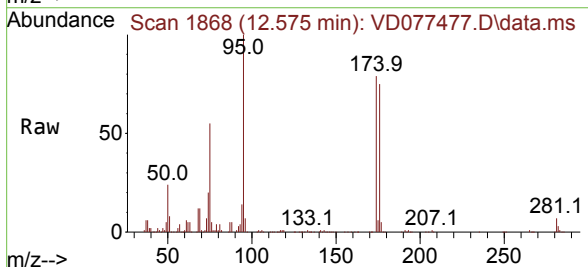
Instrument :
MSVOA_D
ClientSampleId :

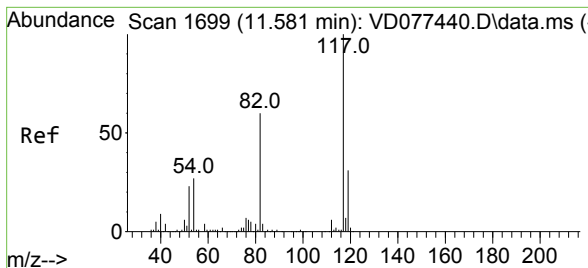
Tgt Ion: 98 Resp: 745689
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 51.960 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

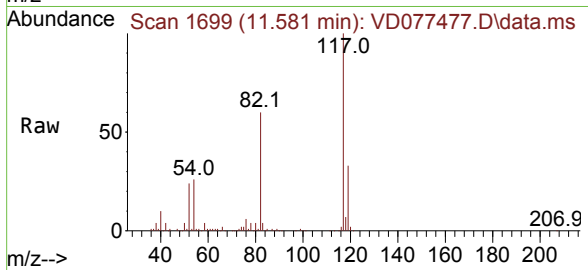
Tgt Ion: 95 Resp: 261108
Ion Ratio Lower Upper
95 100
174 77.2 0.0 201.8
176 74.3 0.0 191.8



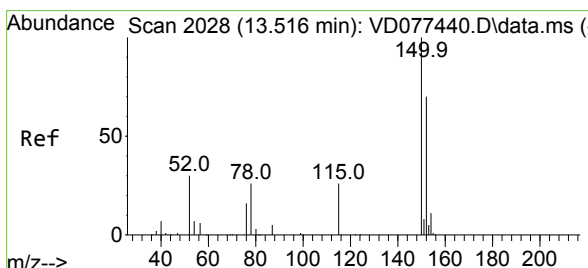
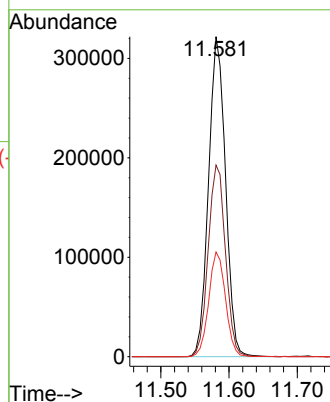
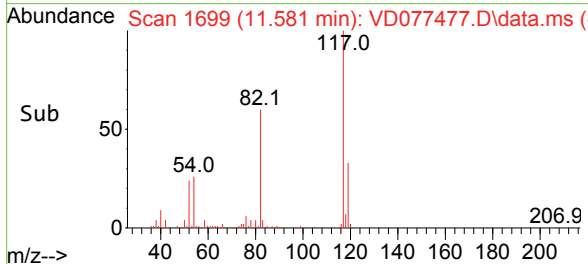


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

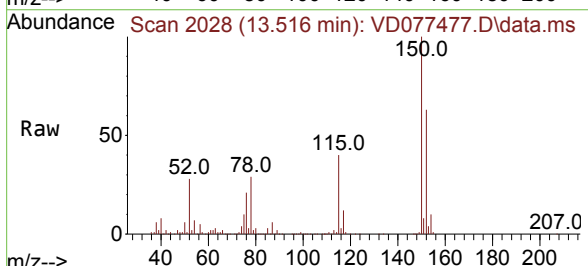
Instrument :
MSVOA_D
ClientSampleId :



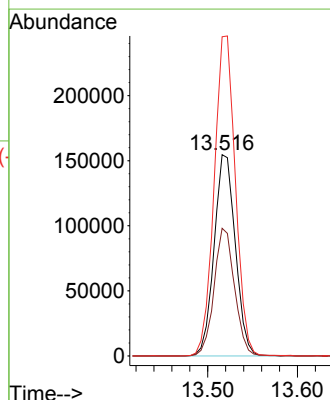
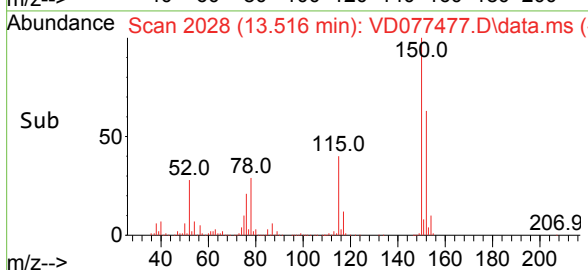
Tgt Ion:117 Resp: 556303
Ion Ratio Lower Upper
117 100
82 59.9 38.3 57.5#
119 32.7 25.0 37.4

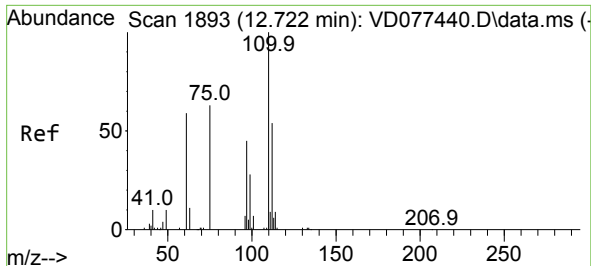


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38



Tgt Ion:152 Resp: 253943
Ion Ratio Lower Upper
152 100
115 61.2 27.1 81.3
150 159.1 0.0 353.6

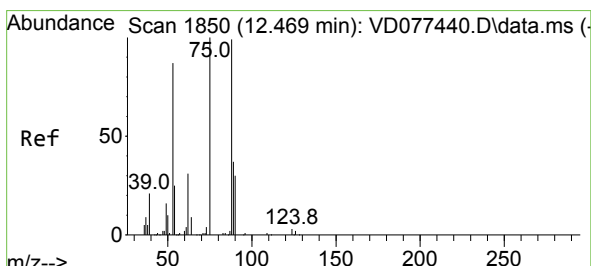
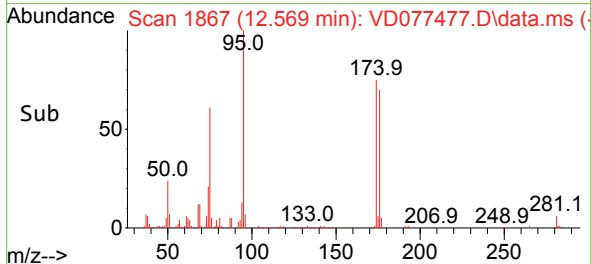
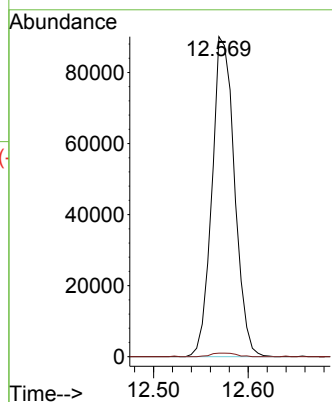
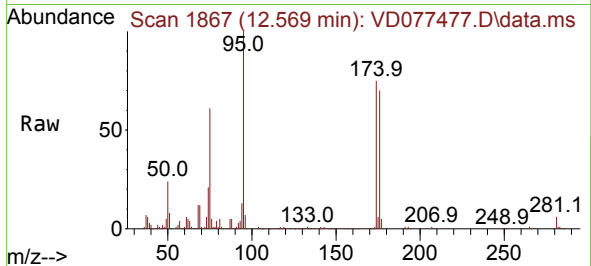




#76
1,2,3-Trichloropropane
Concen: 48.177 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 148901
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.060 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077477.D
Acq: 01 Nov 2023 13:38

Tgt Ion: 75 Resp: 148901
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

