

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078933.D
 Acq On : 15 May 2024 16:46
 Operator : RP/MD
 Sample : P2486-07
 Misc : 4.69G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WCS-TPL-VOC

Quant Time: May 16 01:26:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

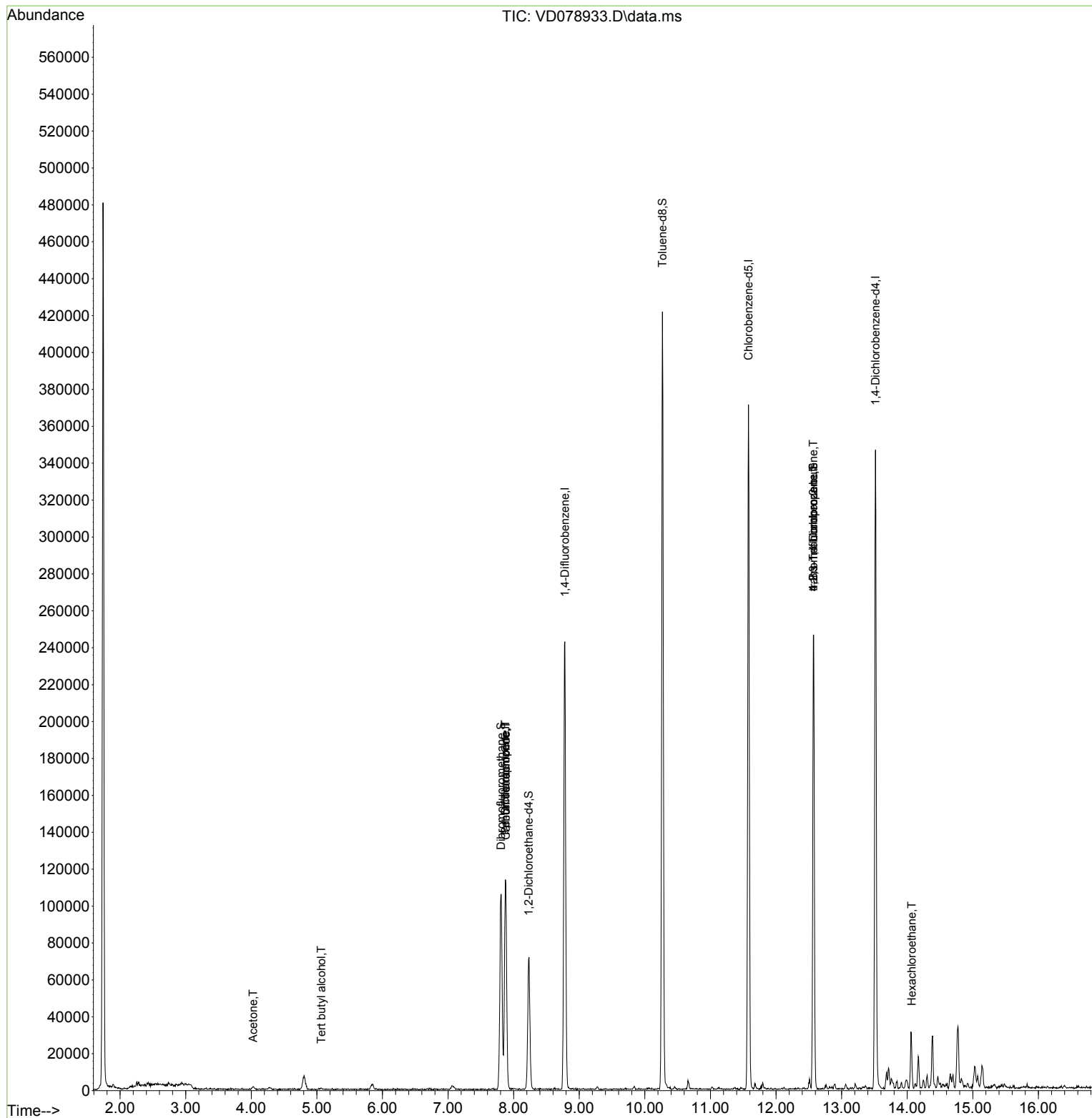
Internal Standards						
1) Pentafluorobenzene	7.875	168	92120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	230935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	97823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55888	64.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.360%	
35) Dibromofluoromethane	7.810	113	80290	52.229	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.460%	
50) Toluene-d8	10.269	98	301136	52.254	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.569	95	76669	47.357	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.720%	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	54	Below Cal	#	1
5) Bromomethane	2.699	94	64	Below Cal	#	1
11) Tert butyl alcohol	5.069	59	472	7.753	ug/l #	86
16) Acetone	4.028	43	2291	16.629	ug/l #	72
17) Carbon Disulfide	4.269	76	2066	Below Cal	#	76
36) 1,1-Dichloropropene	7.875	75	7381	3.858	ug/l #	45
38) Carbon Tetrachloride	7.881	117	9389	4.194	ug/l #	17
76) 1,2,3-Trichloropropane	12.569	75	38522	55.936	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	38522	110.923	ug/l #	19
90) Hexachloroethane	14.069	117	2011	1.710	ug/l #	13

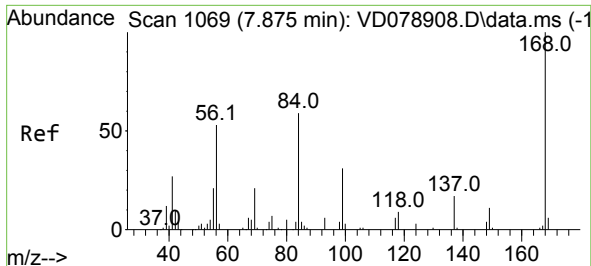
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

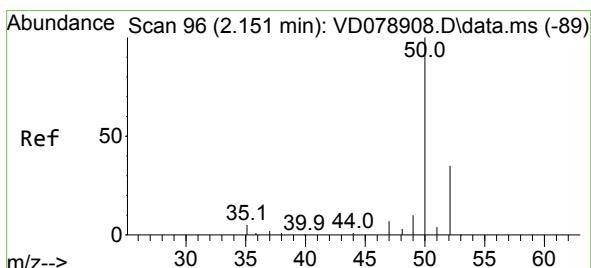
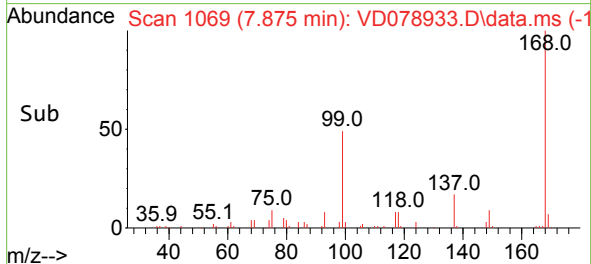
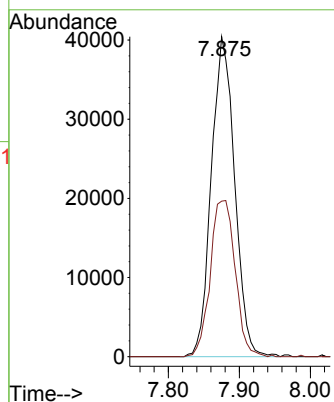
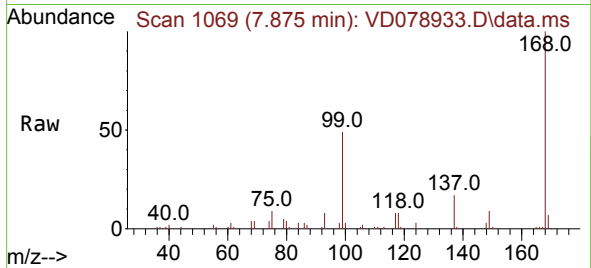




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

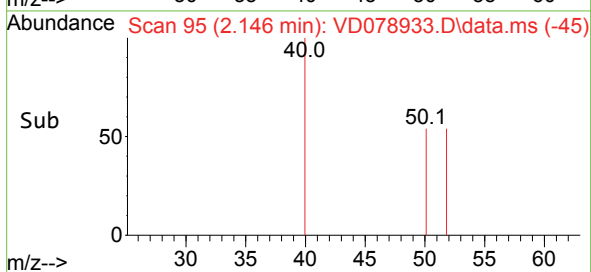
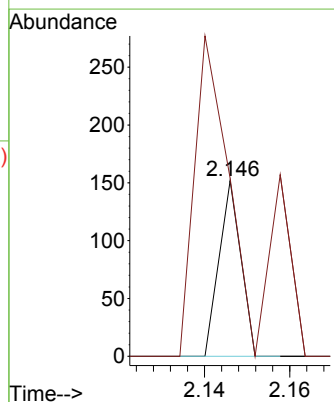
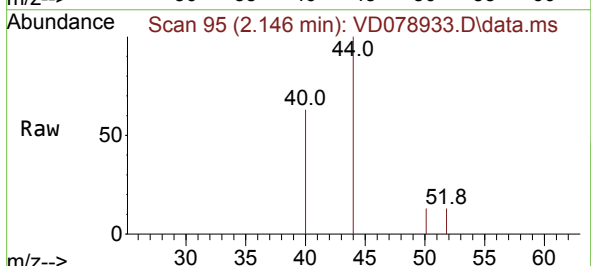
Instrument :
MSVOA_D
ClientSampleId :
WCS-TPL-VOC

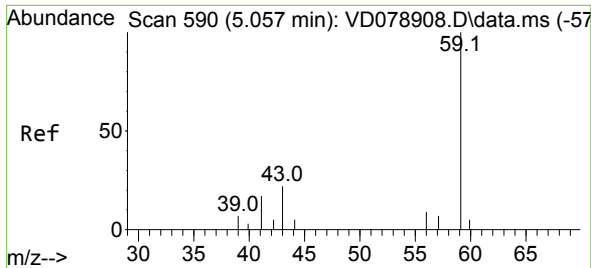
Tgt Ion:168 Resp: 92120
Ion Ratio Lower Upper
168 100
99 48.6 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.005 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

Tgt Ion: 50 Resp: 54
Ion Ratio Lower Upper
50 100
52 101.3 28.2 42.2#

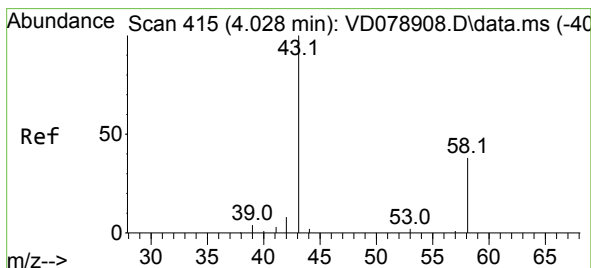
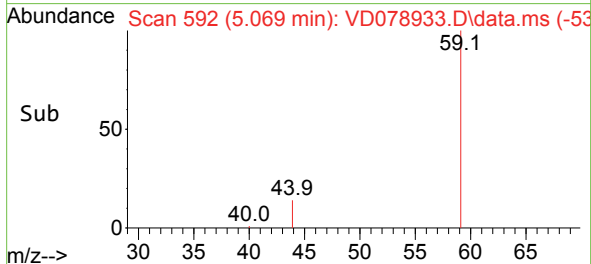
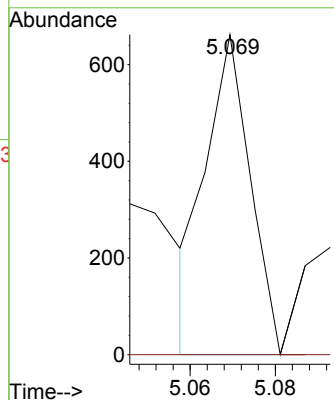
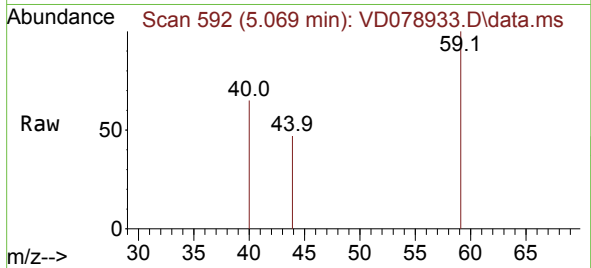




#11
Tert butyl alcohol
Concen: 7.753 ug/l
RT: 5.069 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

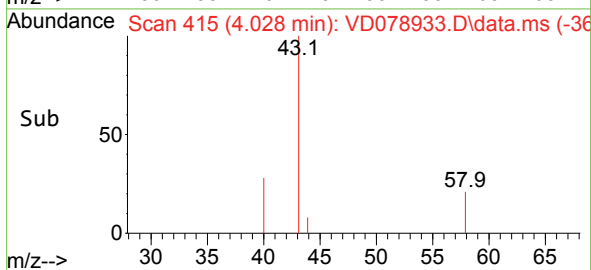
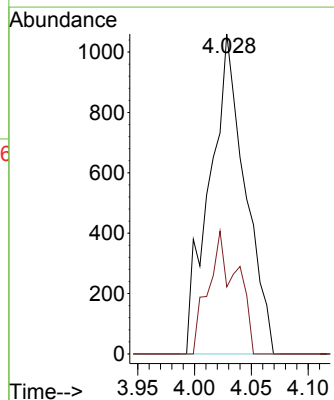
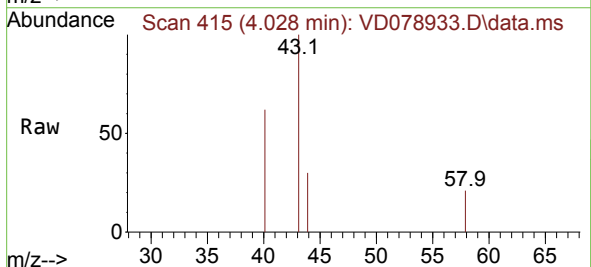
Instrument :
MSVOA_D
ClientSampleId :
WCS-TPL-VOC

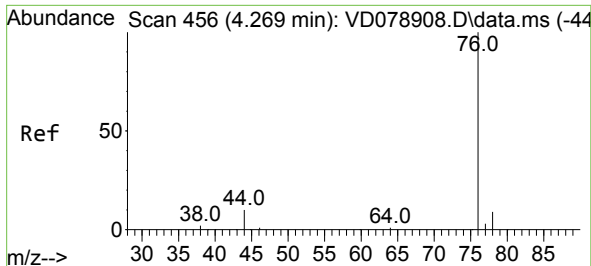
Tgt Ion: 59 Resp: 472
Ion Ratio Lower Upper
59 100
57 0.0 3.6 5.4#



#16
Acetone
Concen: 16.629 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
58 20.9 30.4 45.6#

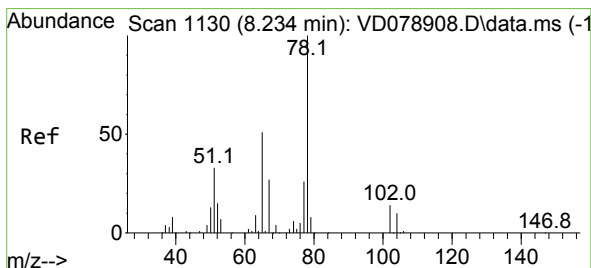
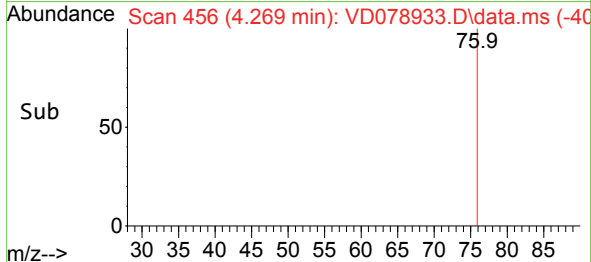
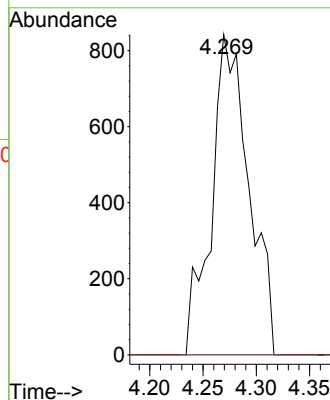
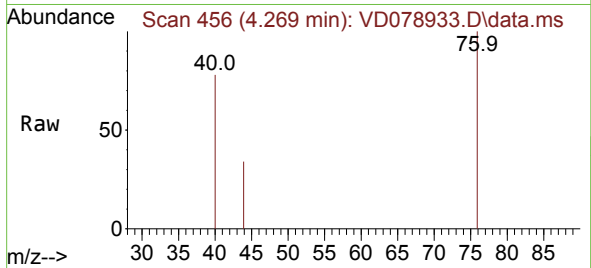




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 417
Delta R.T. 0.000 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

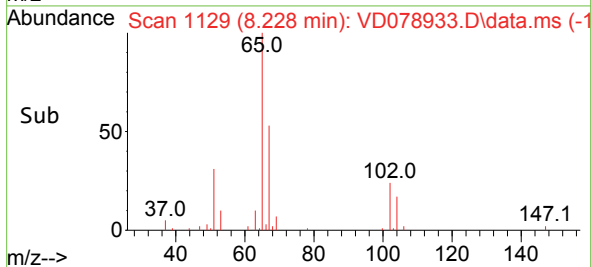
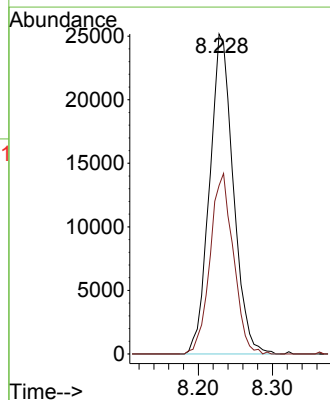
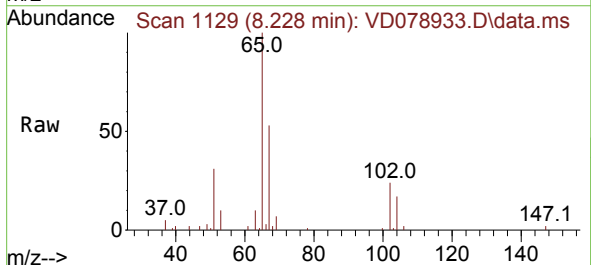
Instrument :
MSVOA_D
ClientSampleId :
WCS-TPL-VOC

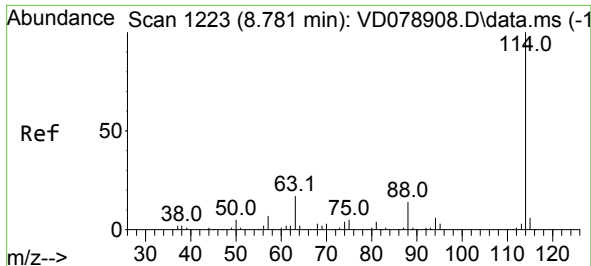
Tgt Ion: 76 Resp: 2066
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#33
1,2-Dichloroethane-d4
Concen: 64.679 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

Tgt Ion: 65 Resp: 55888
Ion Ratio Lower Upper
65 100
67 55.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078933.D

Acq: 15 May 2024 16:46

Instrument :

MSVOA_D

ClientSampleId :

WCS-TPL-VOC

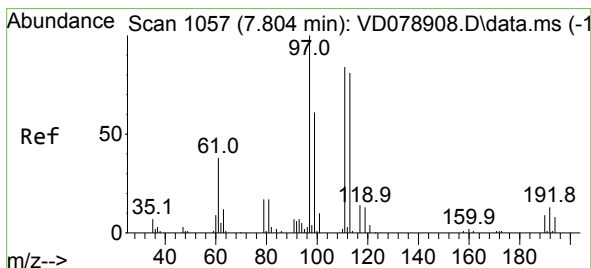
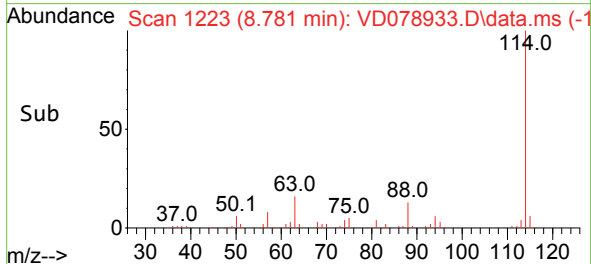
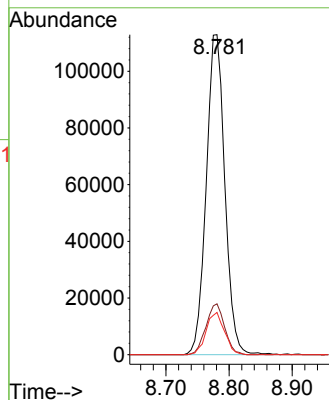
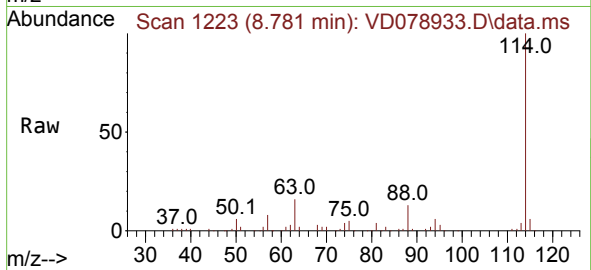
Tgt Ion:114 Resp: 230935

Ion Ratio Lower Upper

114 100

63 15.9 0.0 34.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.229 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078933.D

Acq: 15 May 2024 16:46

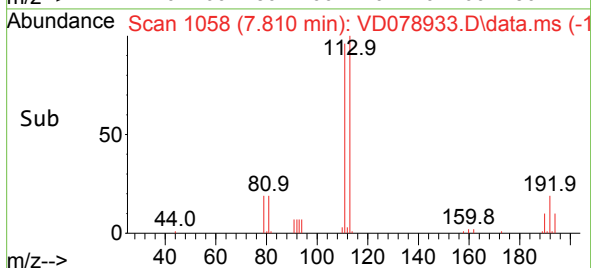
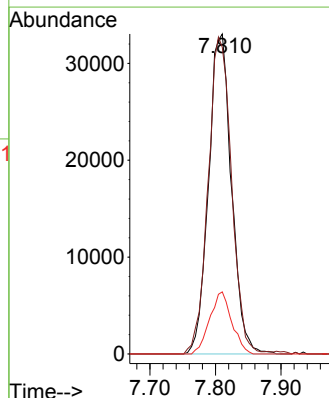
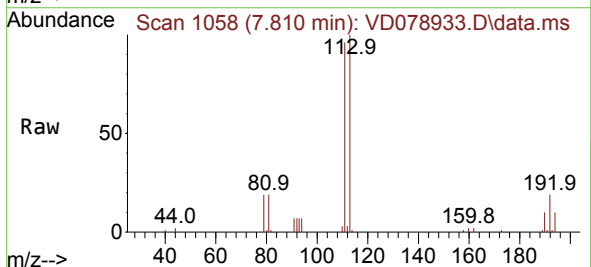
Tgt Ion:113 Resp: 80290

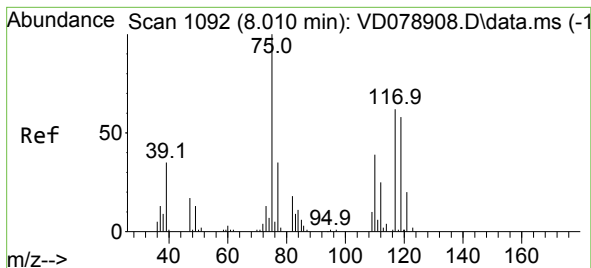
Ion Ratio Lower Upper

113 100

111 100.9 84.0 126.0

192 18.6 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.858 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078933.D

Acq: 15 May 2024 16:46

Instrument :

MSVOA_D

ClientSampleId :

WCS-TPL-VOC

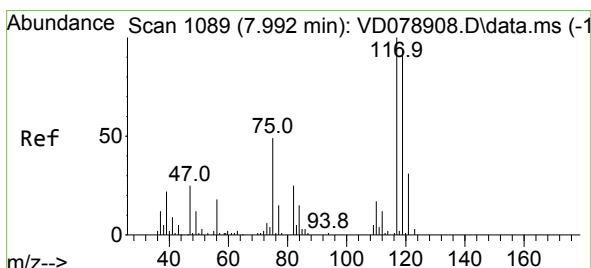
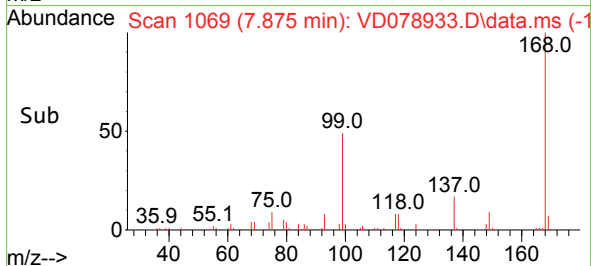
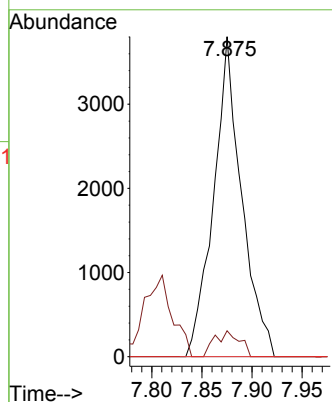
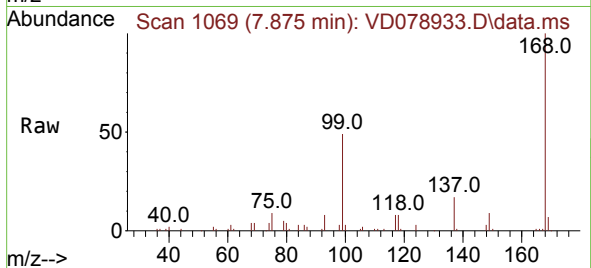
Tgt Ion: 75 Resp: 7381

Ion Ratio Lower Upper

75 100

110 7.2 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.194 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.111 min

Lab File: VD078933.D

Acq: 15 May 2024 16:46

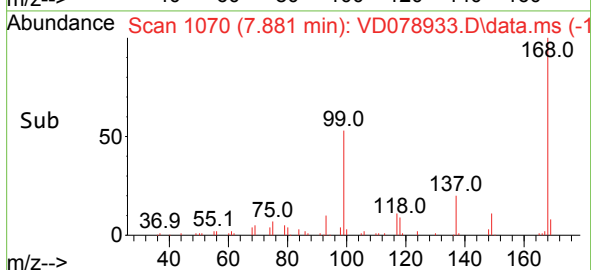
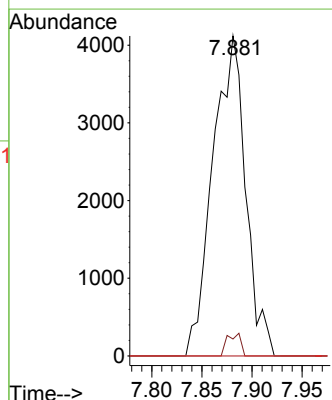
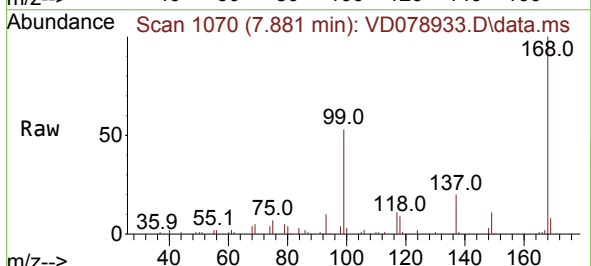
Tgt Ion: 117 Resp: 9389

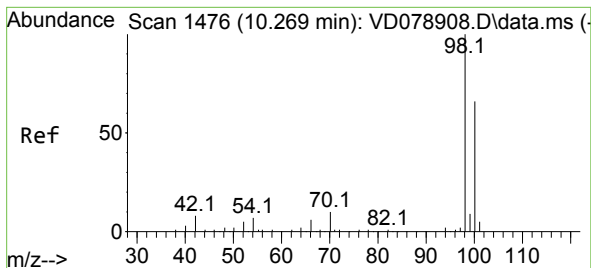
Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 52.254 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078933.D

Acq: 15 May 2024 16:46

Instrument :

MSVOA_D

ClientSampleId :

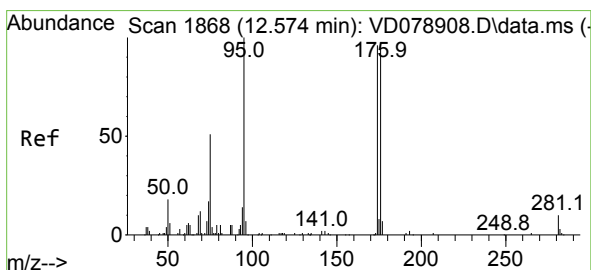
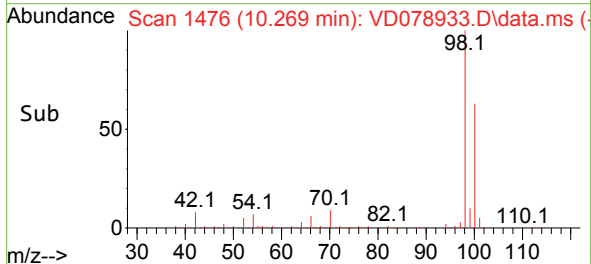
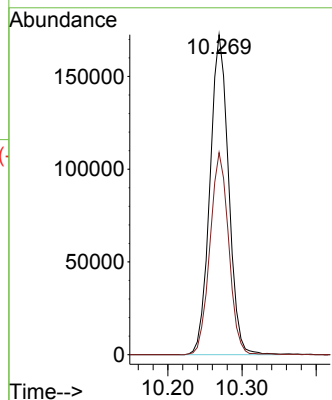
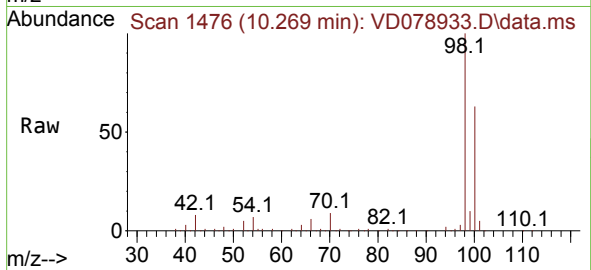
WCS-TPL-VOC

Tgt Ion: 98 Resp: 301136

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.357 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.005 min

Lab File: VD078933.D

Acq: 15 May 2024 16:46

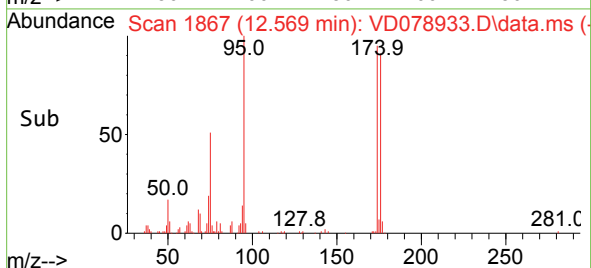
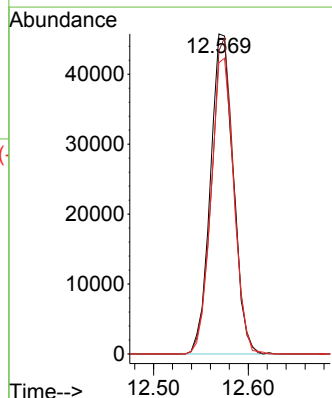
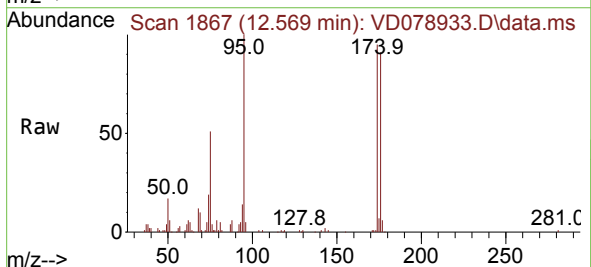
Tgt Ion: 95 Resp: 76669

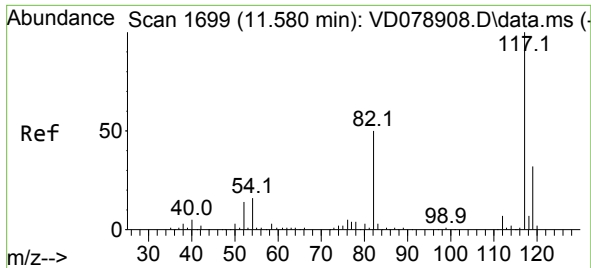
Ion Ratio Lower Upper

95 100

174 95.8 0.0 195.4

176 92.0 0.0 192.6

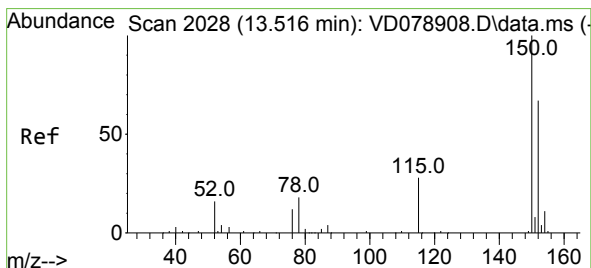
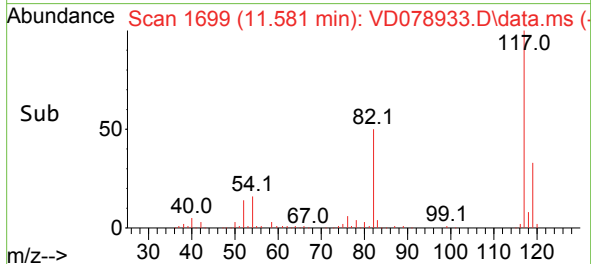
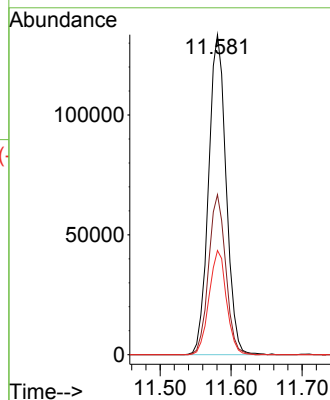
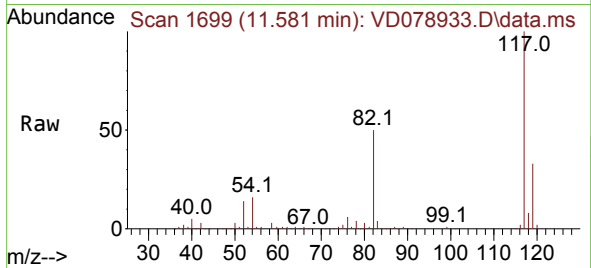




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

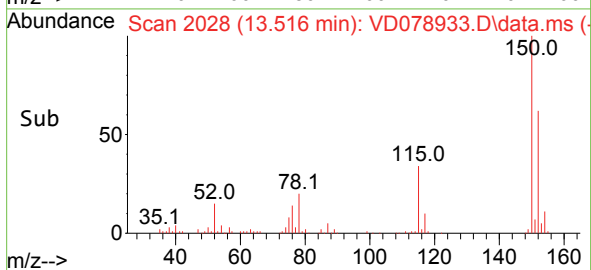
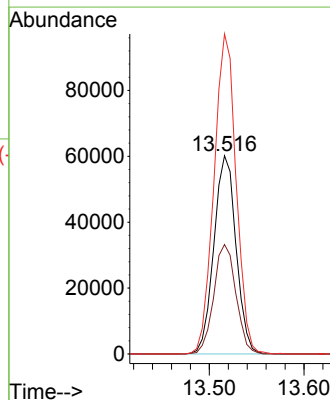
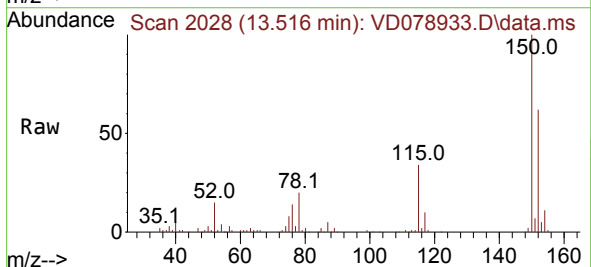
Instrument :
MSVOA_D
ClientSampleId :
WCS-TPL-VOC

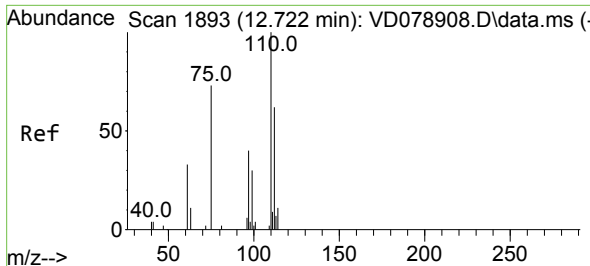
Tgt Ion:117 Resp: 229810
Ion Ratio Lower Upper
117 100
82 50.0 39.8 59.6
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

Tgt Ion:152 Resp: 97823
Ion Ratio Lower Upper
152 100
115 55.3 26.5 79.5
150 161.2 0.0 341.6

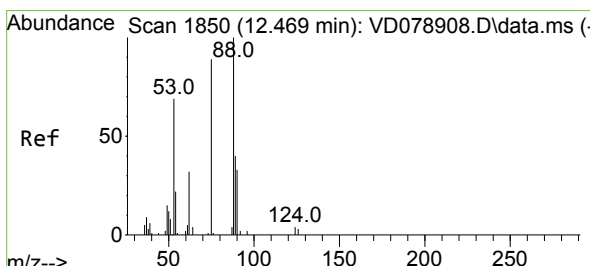
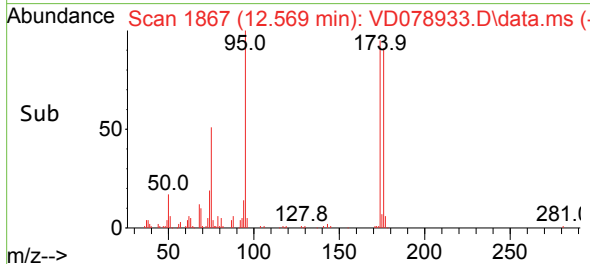
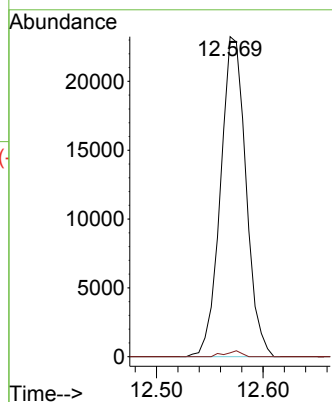
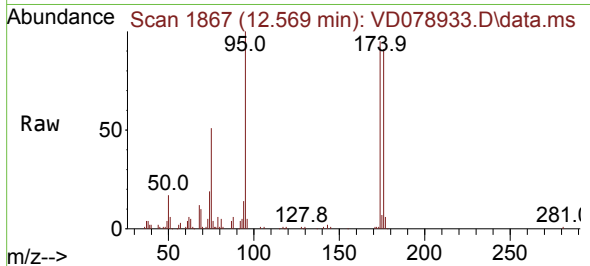




#76
1,2,3-Trichloropropane
Concen: 55.936 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

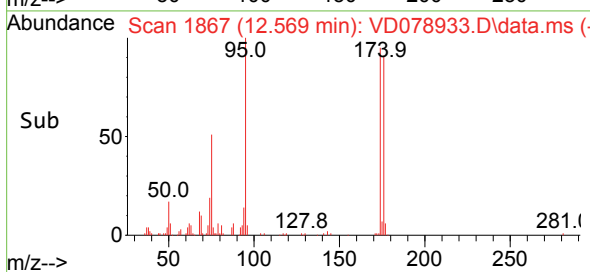
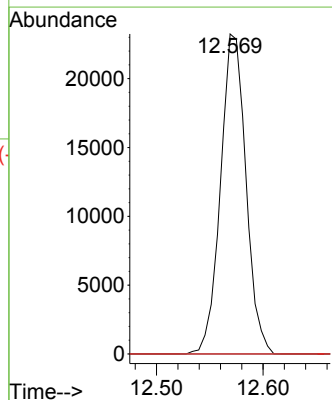
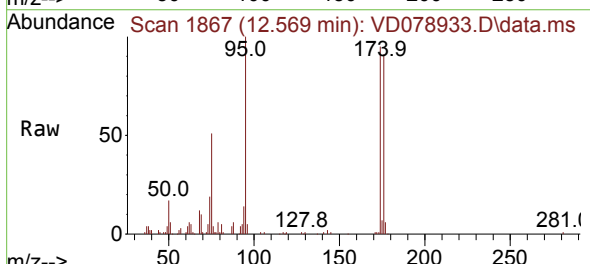
Instrument :
MSVOA_D
ClientSampleId :
WCS-TPL-VOC

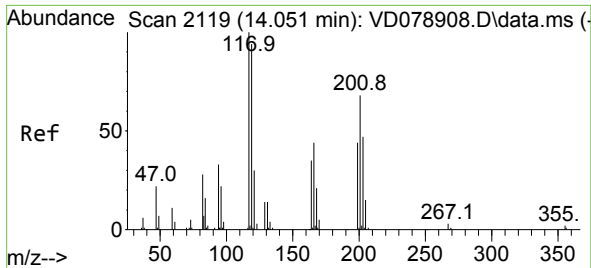
Tgt Ion: 75 Resp: 38522
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.923 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

Tgt Ion: 75 Resp: 38522
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#90
Hexachloroethane
Concen: 1.710 ug/l
RT: 14.069 min Scan# 211
Delta R.T. 0.018 min
Lab File: VD078933.D
Acq: 15 May 2024 16:46

Instrument :
MSVOA_D
ClientSampleId :
WCS-TPL-VOC

Tgt Ion:117 Resp: 2011
Ion Ratio Lower Upper
117 100
201 0.0 36.3 108.9#

