

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062623\
 Data File : VD076580.D
 Acq On : 26 Jun 2023 14:57
 Operator : KP/SY
 Sample : 03361-06RE
 Misc : 12.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-29-GRAB-5RE

Quant Time: Jun 27 04:27:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

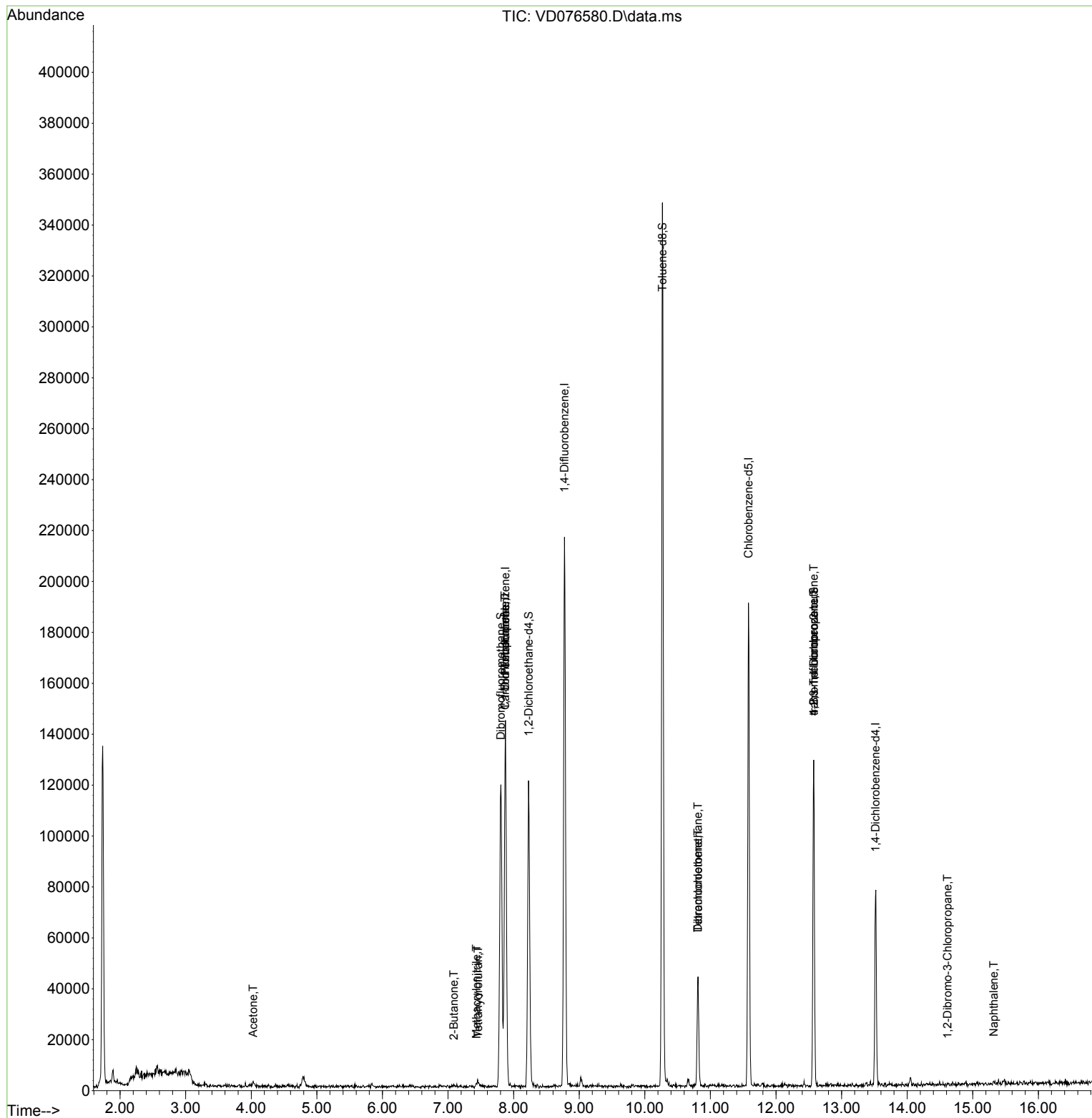
Internal Standards						
1) Pentafluorobenzene	7.875	168	108201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	187209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	105033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	20430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85709	79.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.120%	
35) Dibromofluoromethane	7.805	113	86270	77.571	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.140%#	
50) Toluene-d8	10.269	98	228577	54.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.380%	
62) 4-Bromofluorobenzene	12.575	95	37243	27.208	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 54.420%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	2198	8.520	ug/l	92
20) Methylene Chloride	4.787	84	2654	Below Cal	#	18
25) 2-Butanone	7.087	43	565	1.416	ug/l #	37
28) Bromochloromethane	7.487	49	77	Below Cal	#	1
29) Tetrahydrofuran	7.458	42	2288	8.923	ug/l #	54
36) 1,1-Dichloropropene	7.869	75	8707	5.591	ug/l #	47
38) Carbon Tetrachloride	7.869	117	10110	7.263	ug/l #	14
41) Methacrylonitrile	7.434	41	952	1.868	ug/l #	32
60) Dibromochloromethane	10.810	129	7930	7.062	ug/l #	12
64) Tetrachloroethene	10.810	164	9555	15.155	ug/l	88
76) 1,2,3-Trichloropropane	12.575	75	18977	93.592	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	18977	205.082	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.616	75	56	1.311	ug/l #	1
95) Naphthalene	15.322	128	919	1.184	ug/l #	69

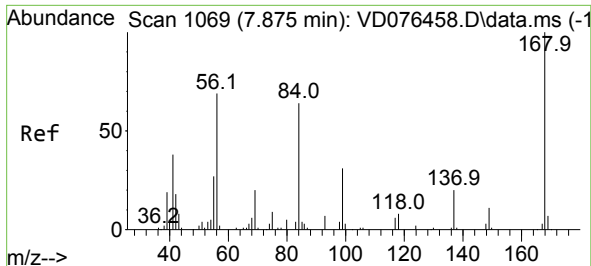
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TOTAL-VOC-SB-29-GRAB-5RE

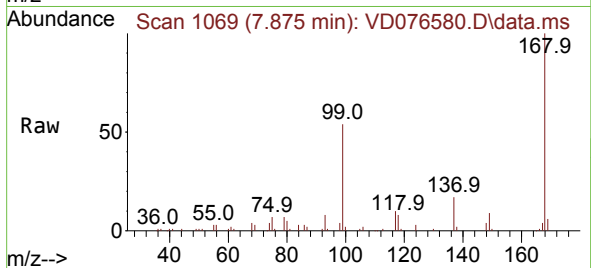
Quant Time: Jun 27 04:27:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
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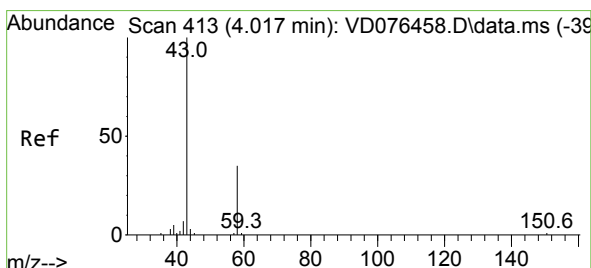
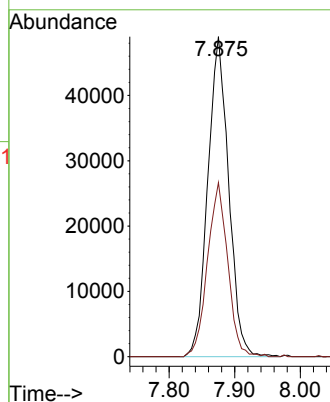
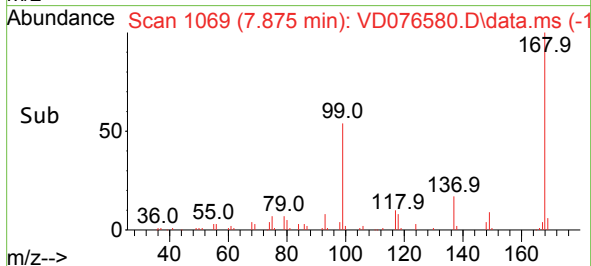


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5RE

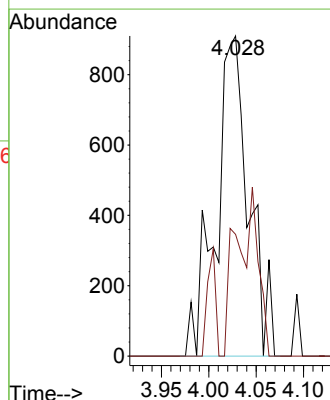
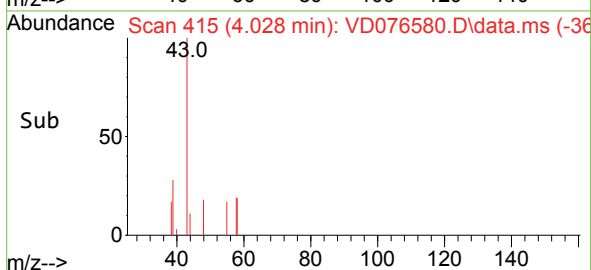
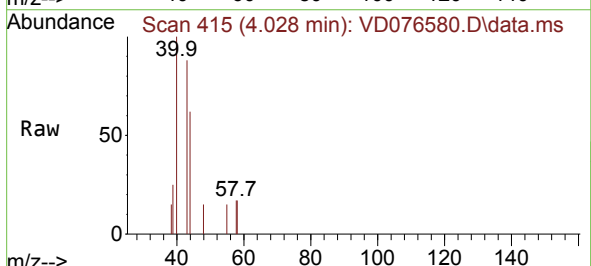


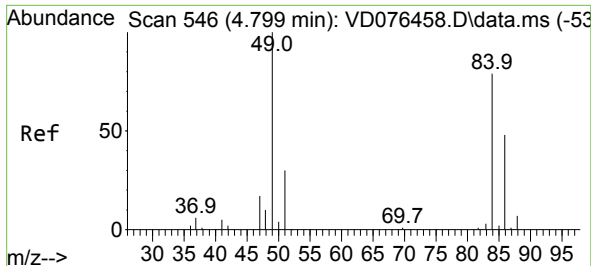
Tgt Ion:168 Resp: 108201
Ion Ratio Lower Upper
168 100
99 54.4 36.7 55.1



#16
Acetone
Concen: 8.520 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

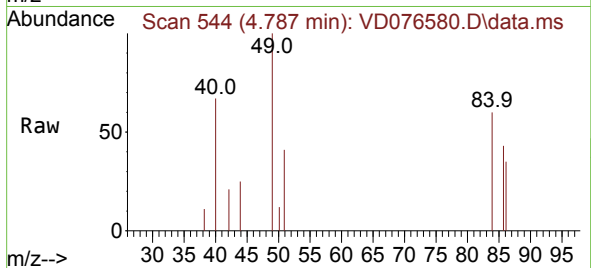
Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
58 38.0 34.7 52.1





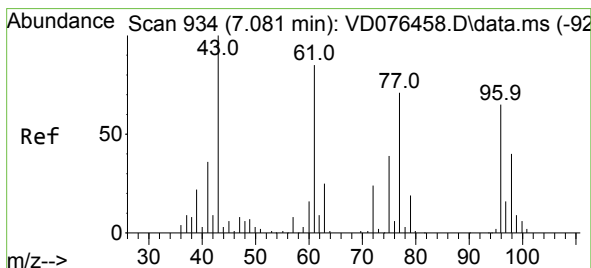
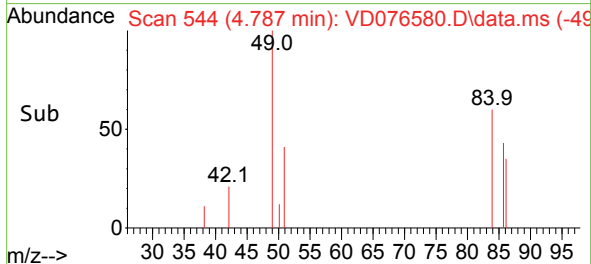
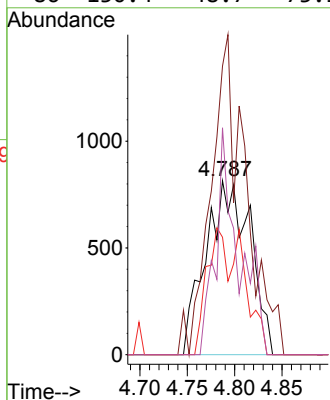
#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 546
Delta R.T. -0.012 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-29-GRAB-5RE



Tgt Ion: 84 Resp: 2654

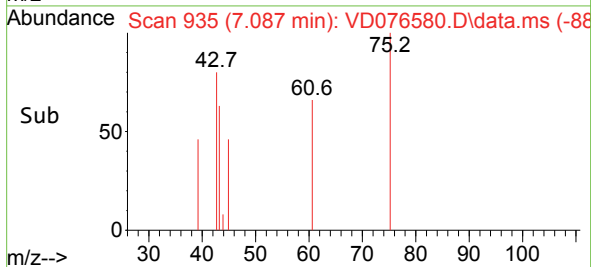
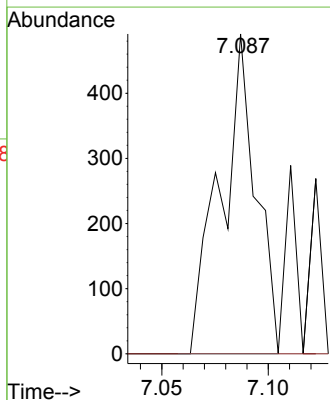
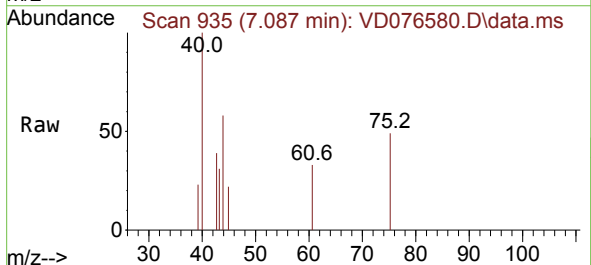
Ion	Ratio	Lower	Upper
84	100		
49	165.9	71.4	107.2#
51	67.5	24.5	36.7#
86	130.4	48.7	73.1#

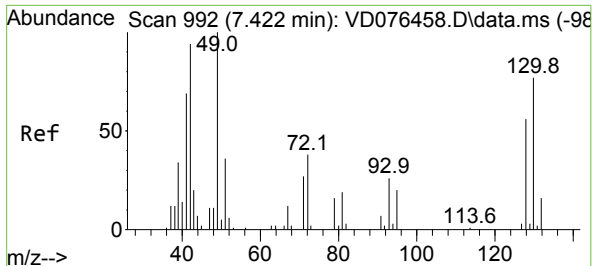


#25
2-Butanone
Concen: 1.416 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Tgt Ion: 43 Resp: 565

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 7.487 min Scan# 1003

Delta R.T. 0.065 min

Lab File: VD076580.D

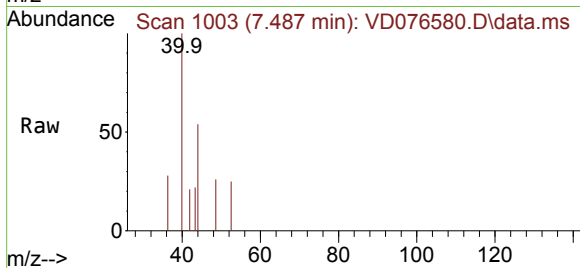
Acq: 26 Jun 2023 14:57

Instrument :

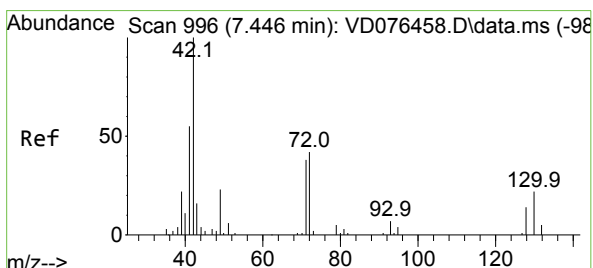
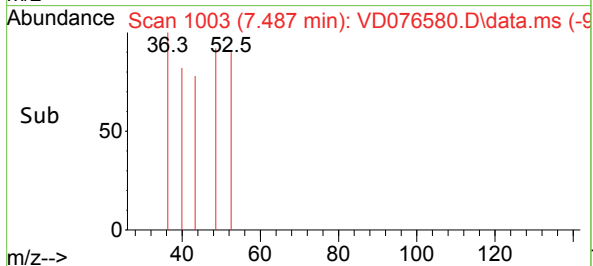
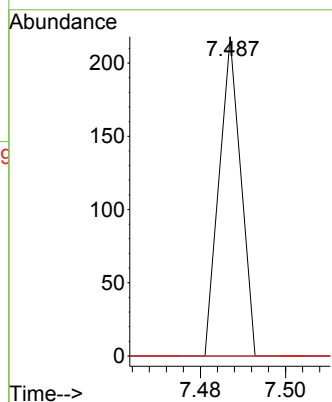
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5RE



Tgt Ion:	49	Resp:	77
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.0
130	0.0	83.2	124.8#



#29

Tetrahydrofuran

Concen: 8.923 ug/l

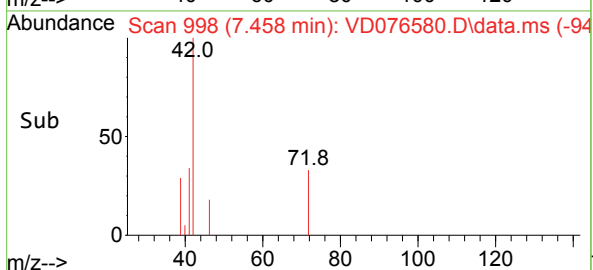
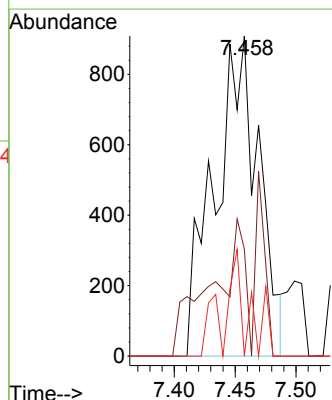
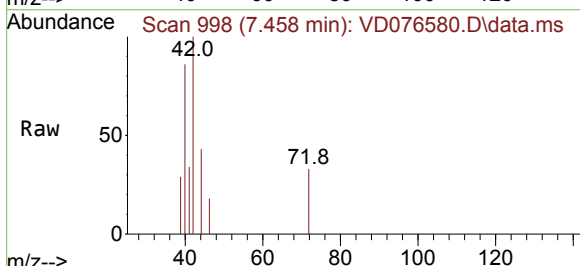
RT: 7.458 min Scan# 998

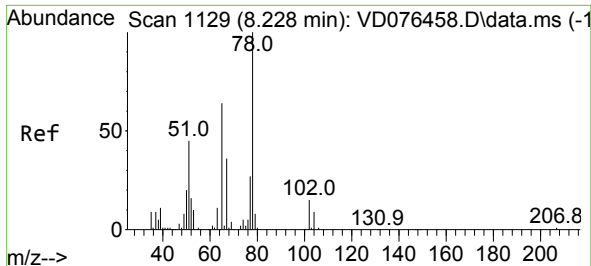
Delta R.T. 0.012 min

Lab File: VD076580.D

Acq: 26 Jun 2023 14:57

Tgt Ion:	42	Resp:	2288
Ion	Ratio	Lower	Upper
42	100		
72	32.6	46.5	69.7#
71	13.4	44.5	66.7#





#33

1,2-Dichloroethane-d4

Concen: 79.061 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076580.D

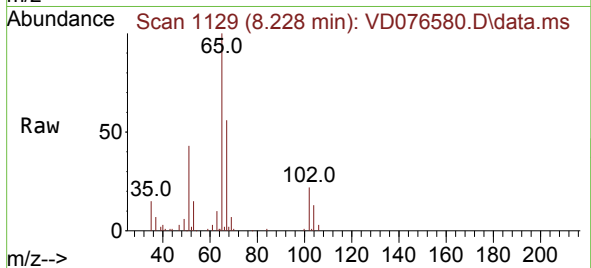
Acq: 26 Jun 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5RE

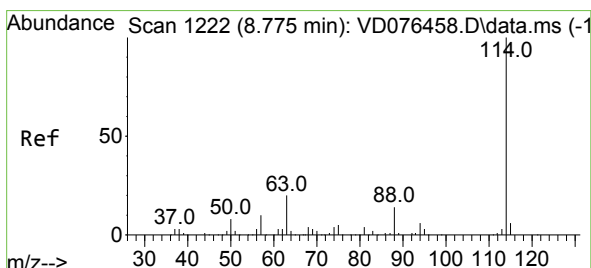
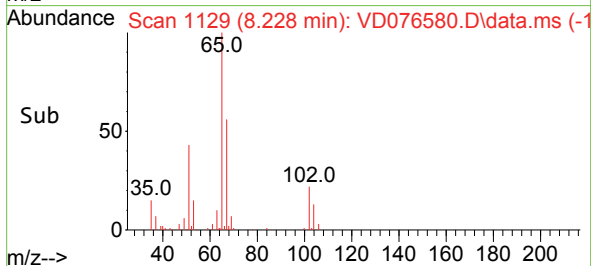
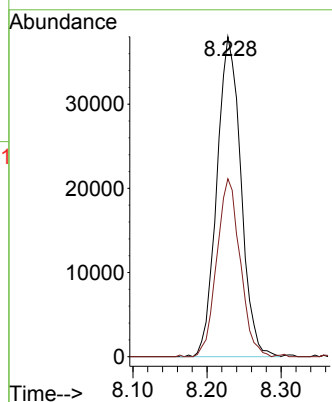


Tgt Ion: 65 Resp: 85709

Ion Ratio Lower Upper

65 100

67 54.0 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: VD076580.D

Acq: 26 Jun 2023 14:57

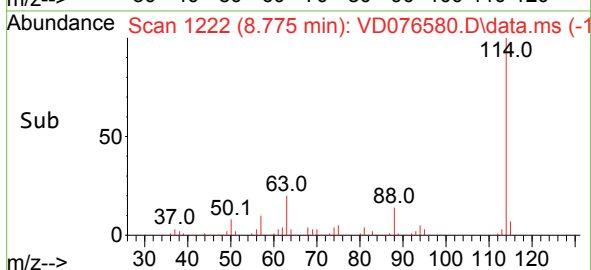
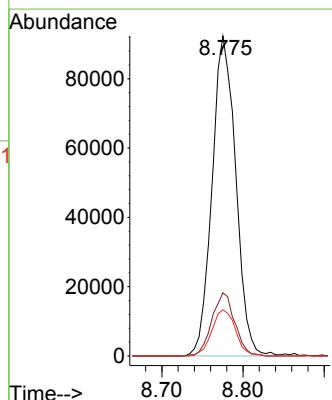
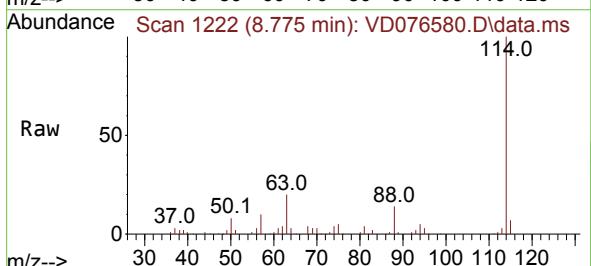
Tgt Ion: 114 Resp: 187209

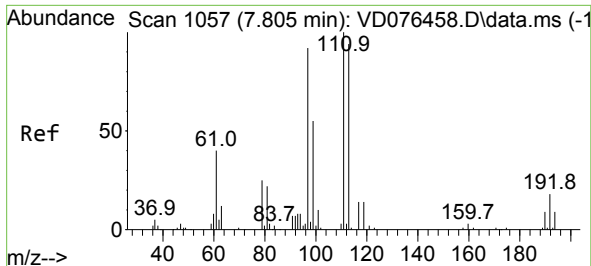
Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 14.4 0.0 26.2

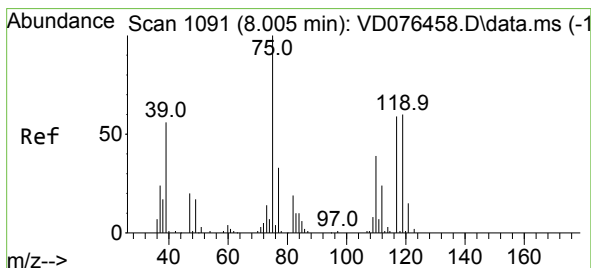
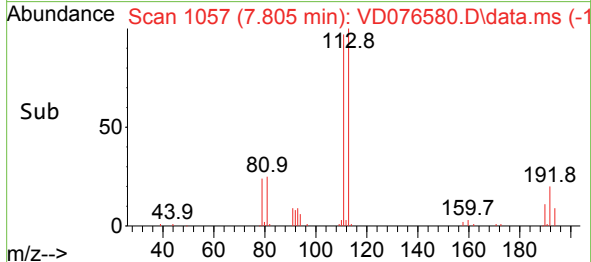
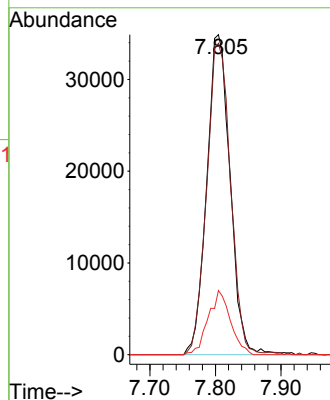
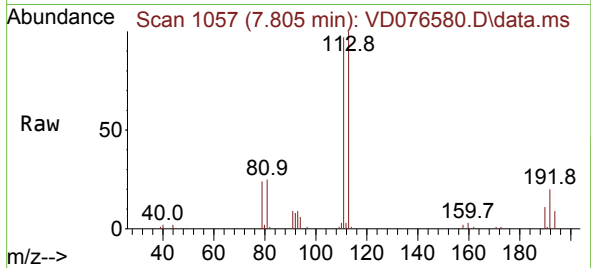




#35
Dibromofluoromethane
Concen: 77.571 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

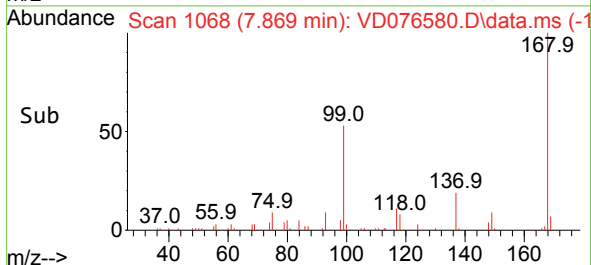
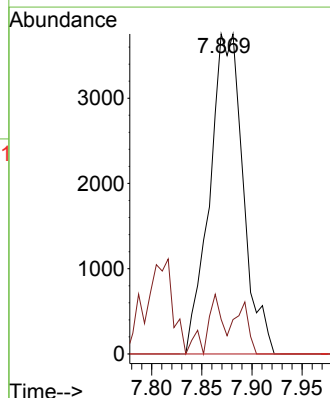
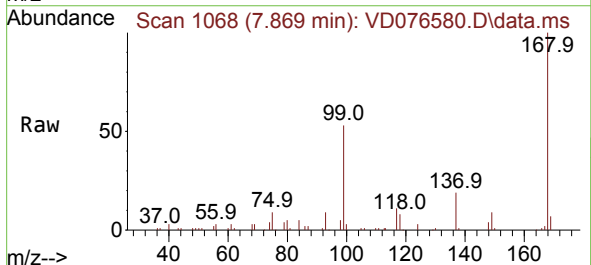
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5RE

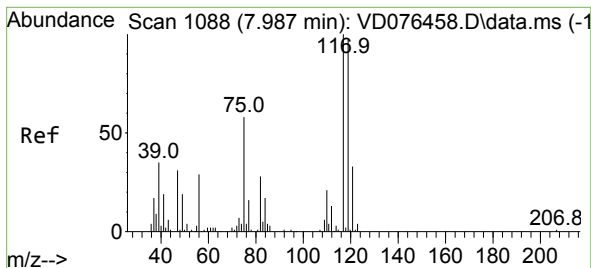
Tgt Ion:113 Resp: 86270
Ion Ratio Lower Upper
113 100
111 99.0 84.7 127.1
192 19.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.591 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Tgt Ion: 75 Resp: 8707
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.263 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076580.D

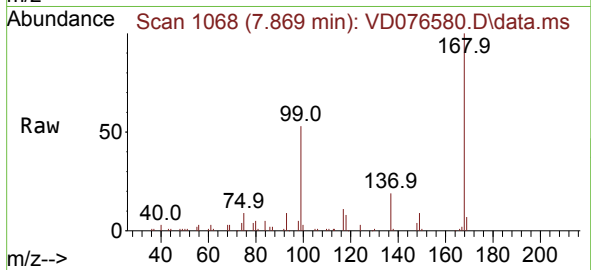
Acq: 26 Jun 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5RE



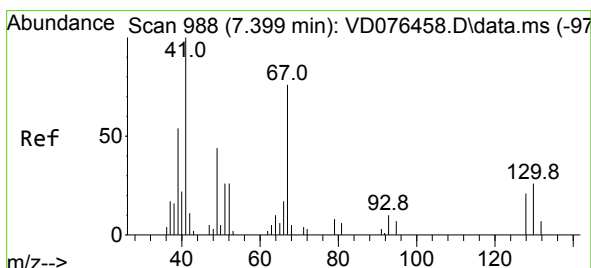
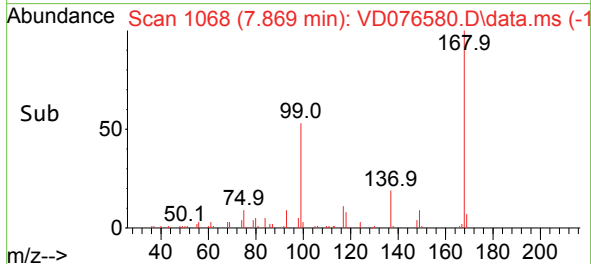
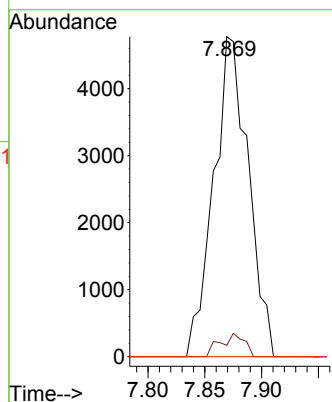
Tgt Ion:117 Resp: 10110

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

121 0.0 24.2 36.2#



#41

Methacrylonitrile

Concen: 1.868 ug/l

RT: 7.434 min Scan# 994

Delta R.T. 0.035 min

Lab File: VD076580.D

Acq: 26 Jun 2023 14:57

Tgt Ion: 41 Resp: 952

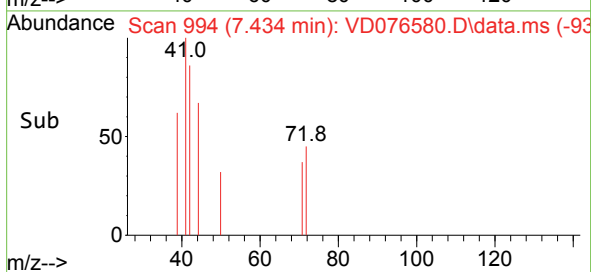
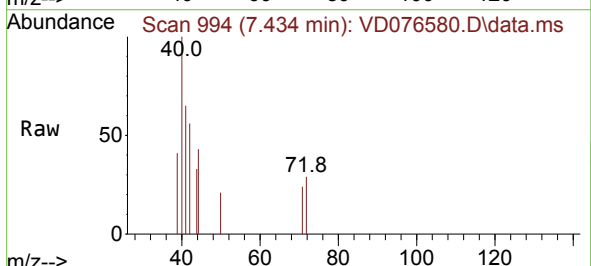
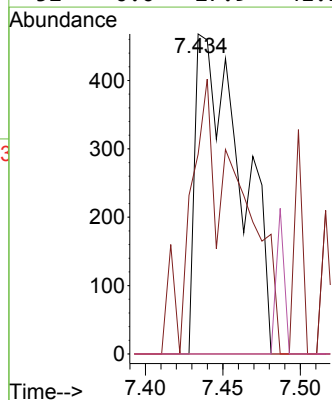
Ion Ratio Lower Upper

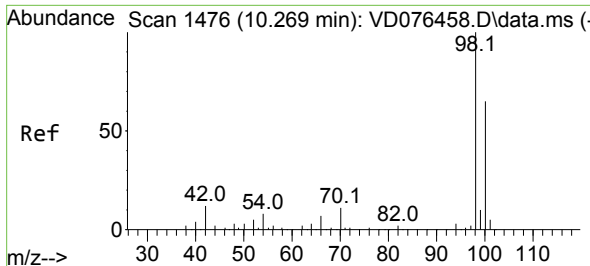
41 100

39 46.0 34.0 51.0

67 0.0 77.0 115.4#

52 0.0 27.9 41.9#

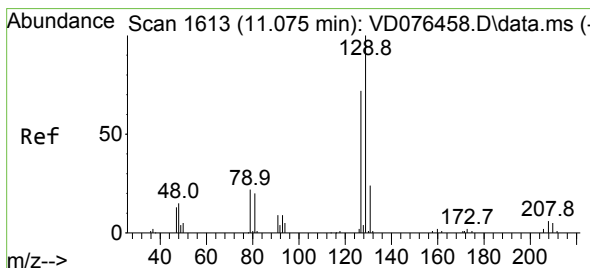
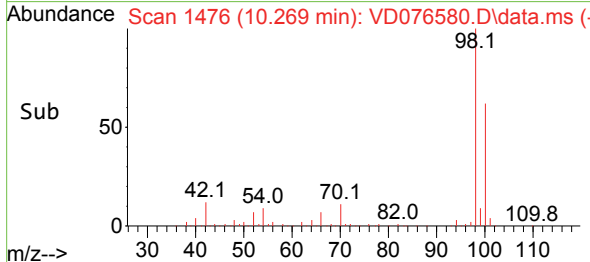
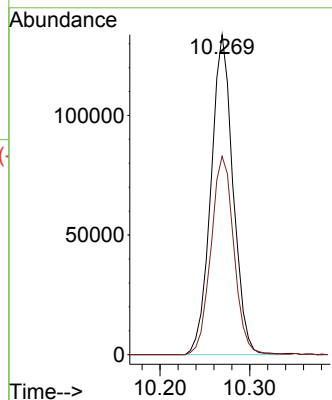
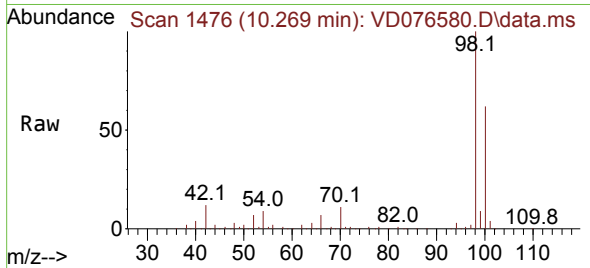




#50
Toluene-d8
Concen: 54.194 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

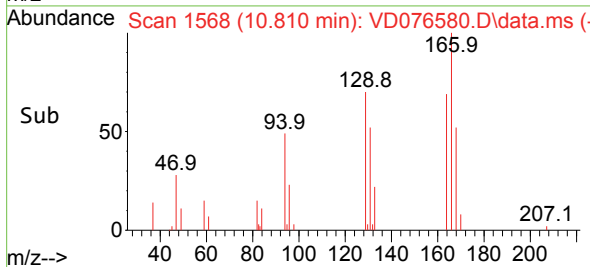
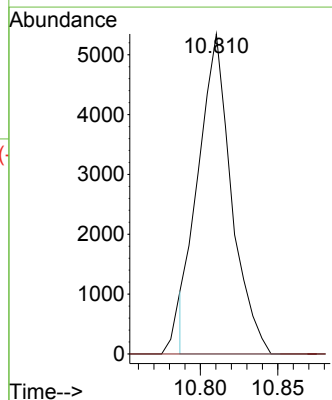
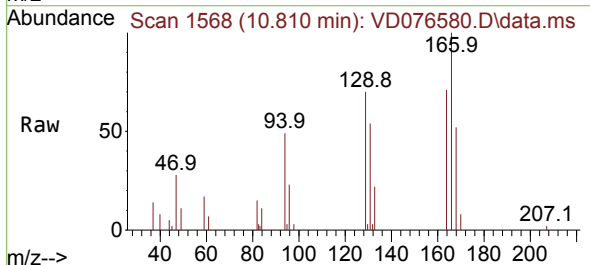
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TOTAL-VOC-SB-29-GRAB-5RE

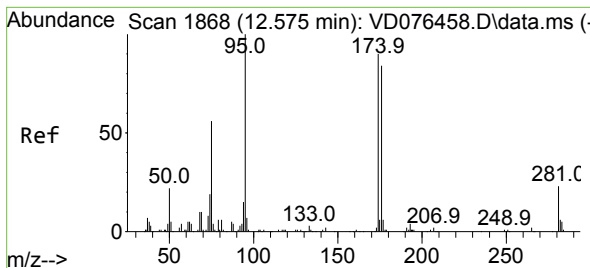
Tgt Ion: 98 Resp: 228577
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#60
Dibromochloromethane
Concen: 7.062 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.265 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Tgt Ion:129 Resp: 7930
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#

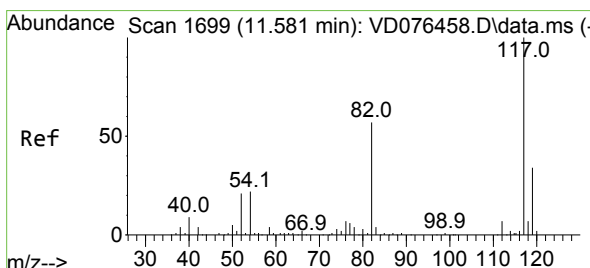
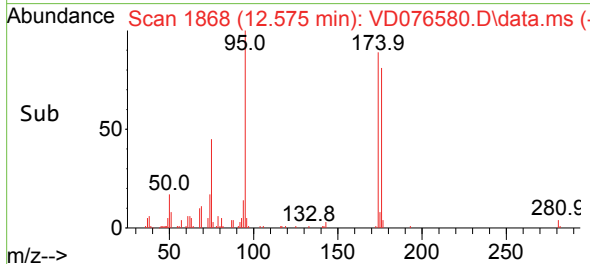
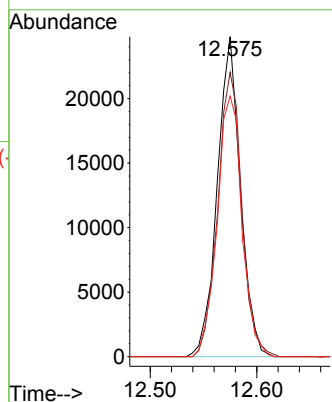
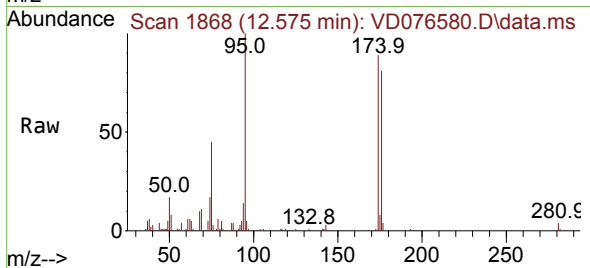




#62
4-Bromofluorobenzene
Concen: 27.208 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

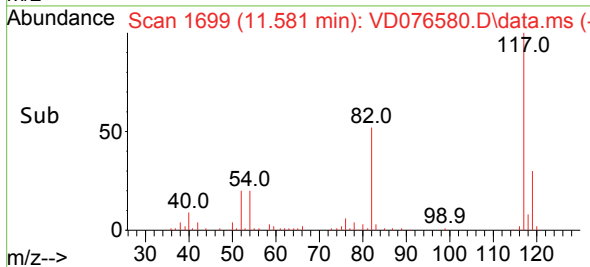
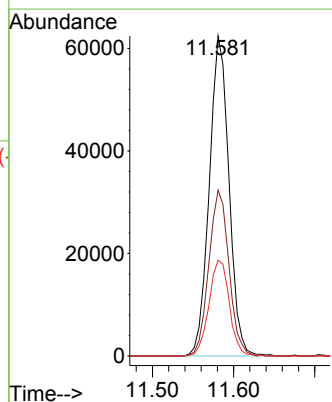
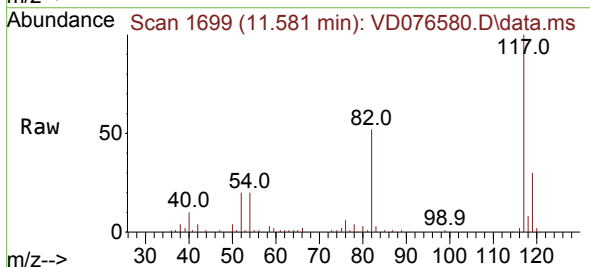
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5RE

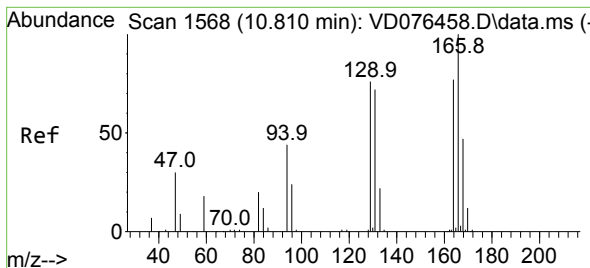
Tgt Ion: 95 Resp: 37243
Ion Ratio Lower Upper
95 100
174 93.1 0.0 201.8
176 87.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Tgt Ion: 117 Resp: 105033
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 29.9 25.0 37.4





#64

Tetrachloroethene

Concen: 15.155 ug/l

RT: 10.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076580.D

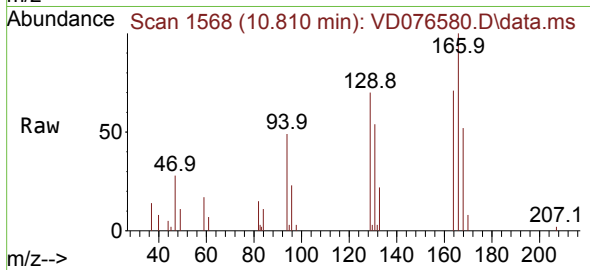
Acq: 26 Jun 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5RE



Tgt Ion:164 Resp: 9555

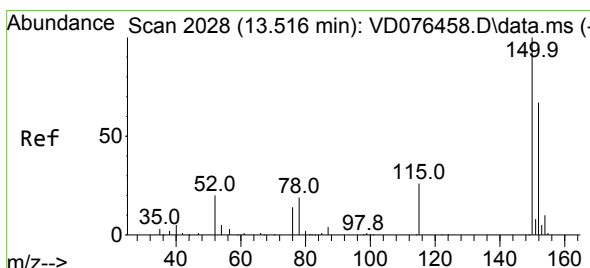
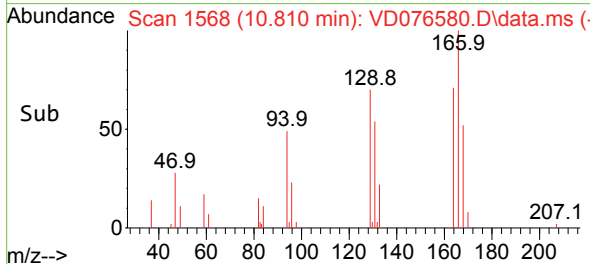
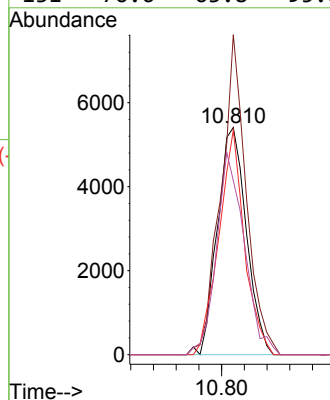
Ion Ratio Lower Upper

164 100

166 140.9 99.2 148.8

129 98.9 68.4 102.6

131 76.6 63.8 95.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD076580.D

Acq: 26 Jun 2023 14:57

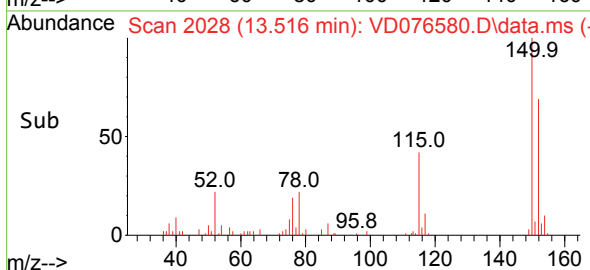
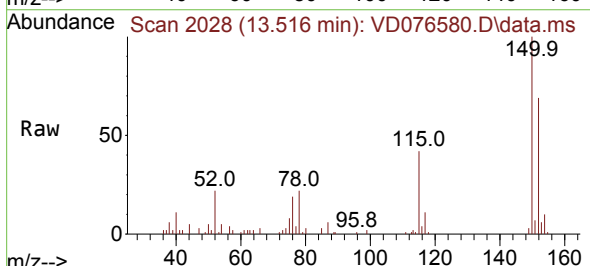
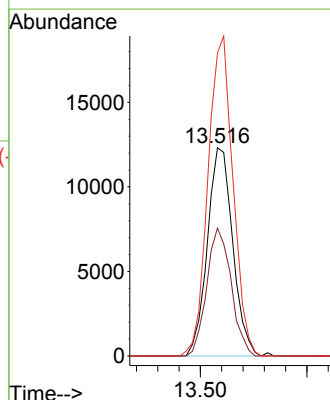
Tgt Ion:152 Resp: 20430

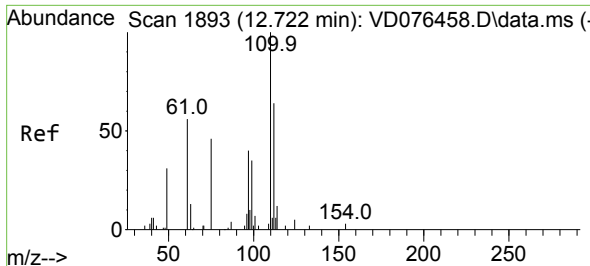
Ion Ratio Lower Upper

152 100

115 58.9 27.1 81.3

150 150.6 0.0 353.6

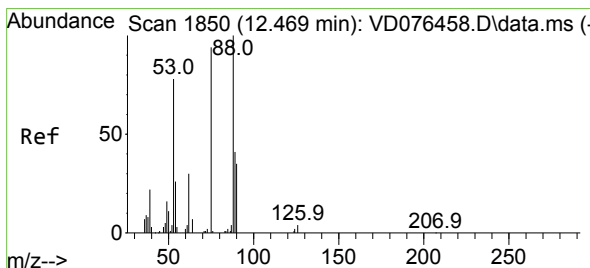
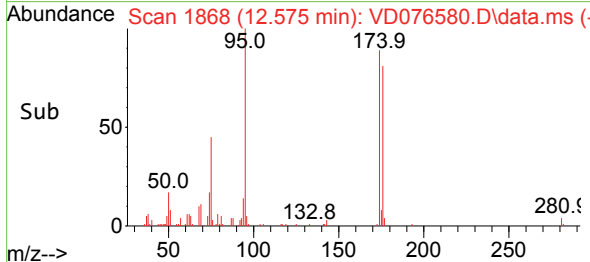
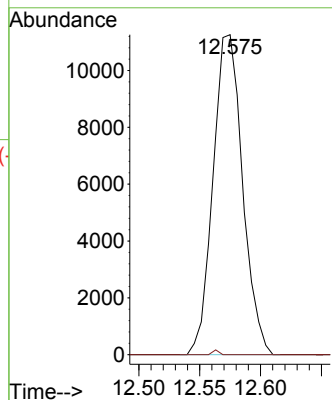
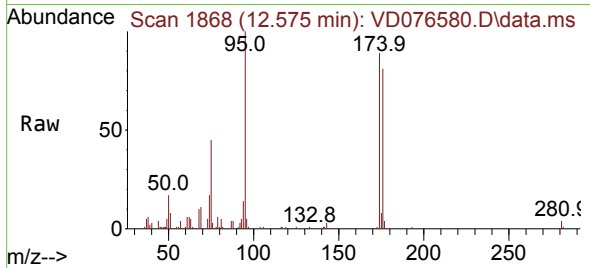




#76
1,2,3-Trichloropropane
Concen: 93.592 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

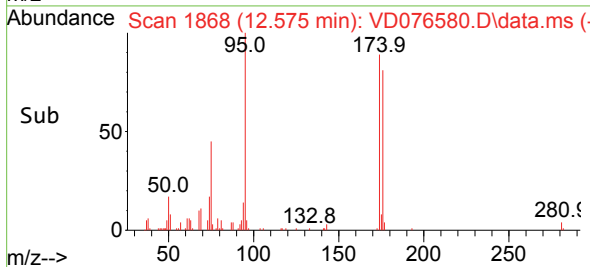
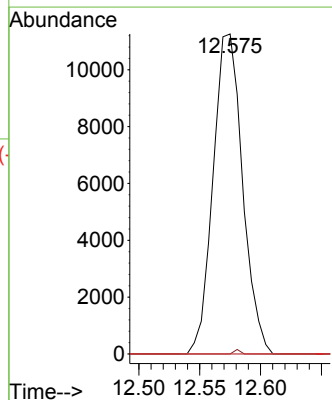
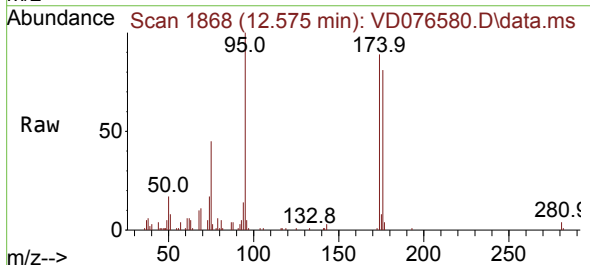
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5RE

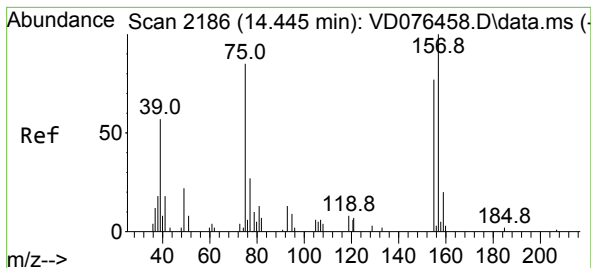
Tgt Ion: 75 Resp: 18977
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 205.082 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Tgt Ion: 75 Resp: 18977
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.0 37.9 56.9#

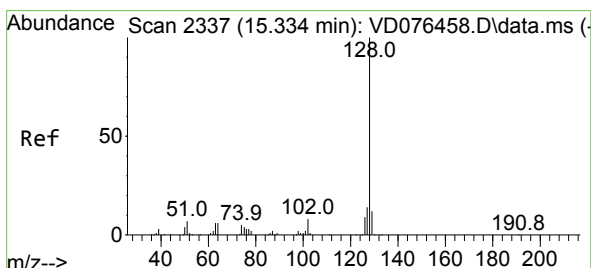
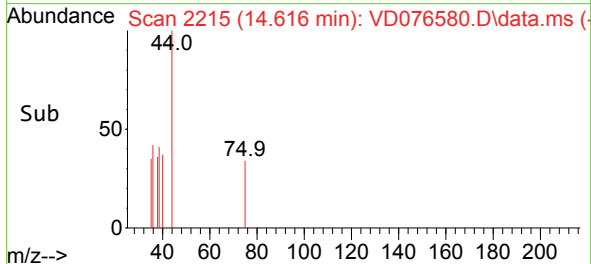
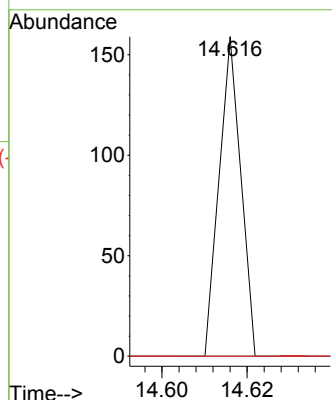
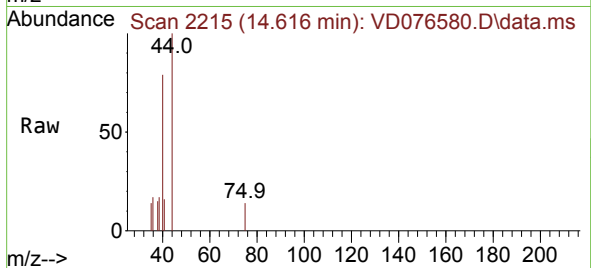




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.311 ug/l
RT: 14.616 min Scan# 2186
Delta R.T. 0.171 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5RE

Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 1.184 ug/l
RT: 15.322 min Scan# 2335
Delta R.T. -0.012 min
Lab File: VD076580.D
Acq: 26 Jun 2023 14:57

Tgt Ion: 128 Resp: 919
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

