

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076570.D
 Acq On : 23 Jun 2023 21:03
 Operator : KP/SY
 Sample : 03361-24
 Misc : 13.97G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-22-GRAB-5

Quant Time: Jun 24 01:01:00 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)

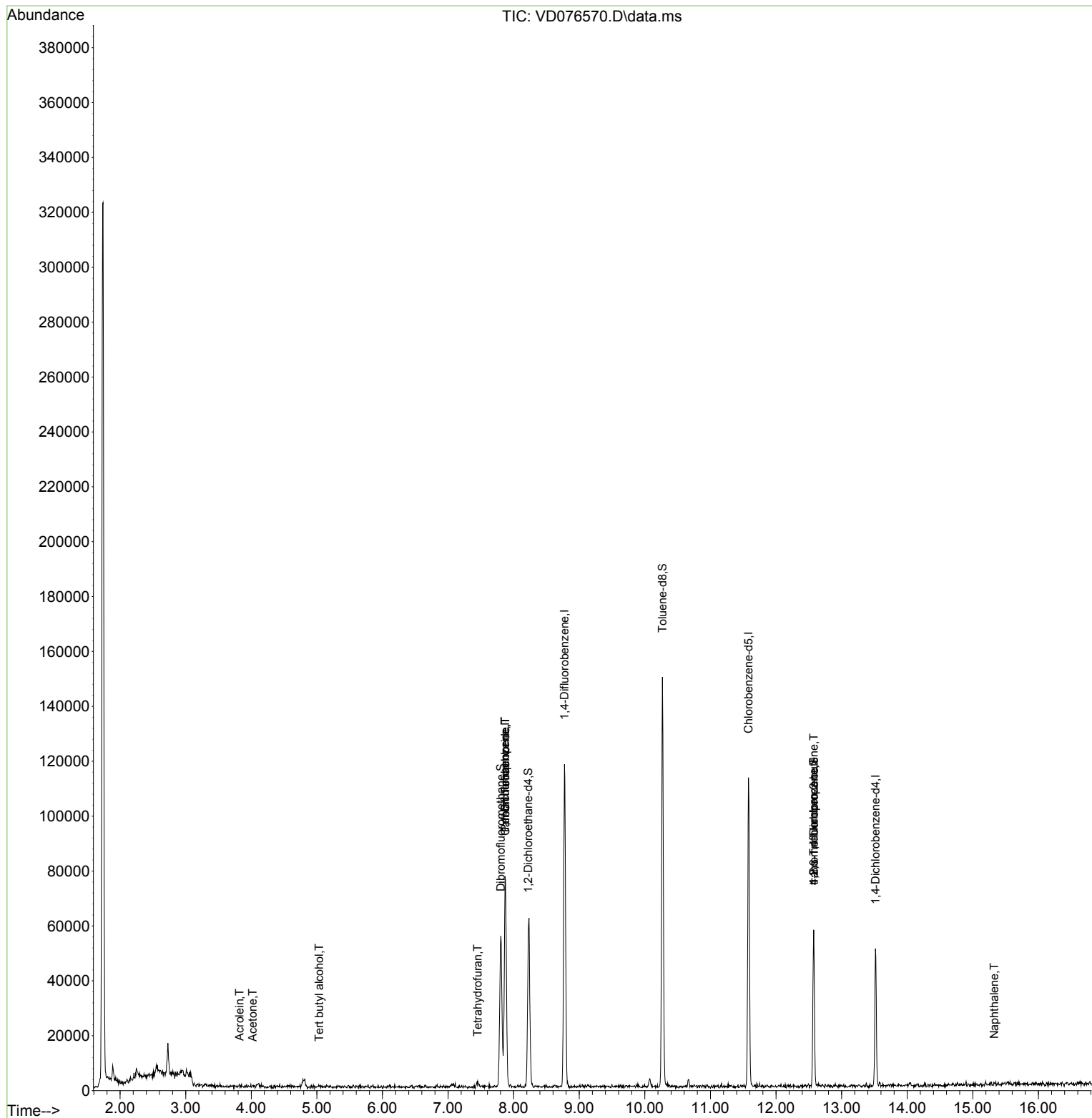
Internal Standards						
1) Pentafluorobenzene	7.869	168	57528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	101202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	62982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	13004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	44884	77.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.740%	
35) Dibromofluoromethane	7.804	113	39232	65.255	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.520%	
50) Toluene-d8	10.269	98	95926	42.072	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 84.140%	
62) 4-Bromofluorobenzene	12.575	95	15866	21.441	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 42.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	64	1.286	ug/l #	73
13) Acrolein	3.822	56	115	2.145	ug/l #	15
16) Acetone	4.022	43	292	2.129	ug/l #	32
20) Methylene Chloride	4.787	84	1765	Below Cal	#	76
28) Bromochloromethane	7.452	49	54	Below Cal	#	1
29) Tetrahydrofuran	7.452	42	1202	8.817	ug/l #	71
36) 1,1-Dichloropropene	7.869	75	4878	5.794	ug/l #	47
38) Carbon Tetrachloride	7.875	117	5818	7.732	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	9259	71.741	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	9259	157.201	ug/l #	17
95) Naphthalene	15.328	128	762	1.542	ug/l #	69

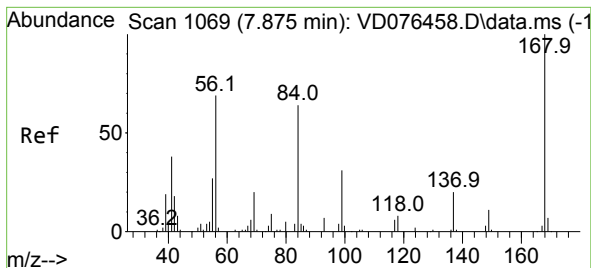
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD076570.D

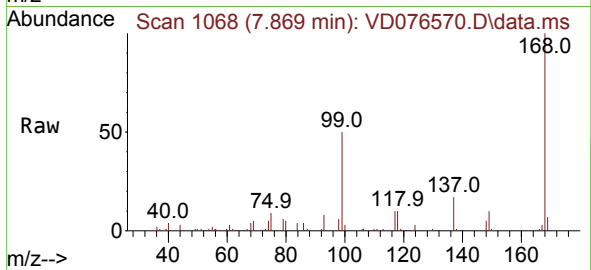
Acq: 23 Jun 2023 21:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-22-GRAB-5

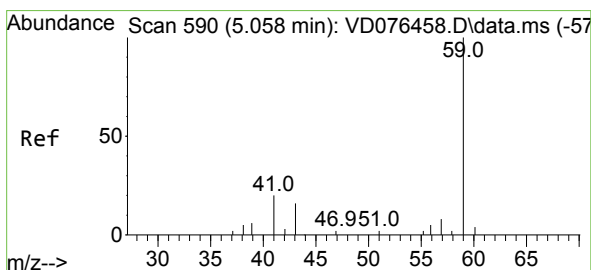
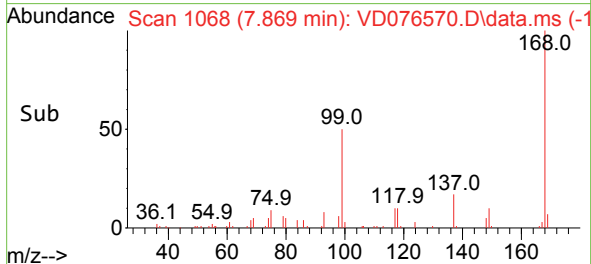
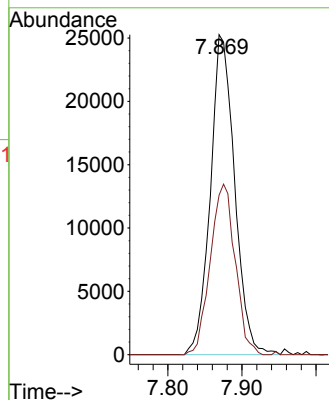


Tgt Ion:168 Resp: 57528

Ion Ratio Lower Upper

168 100

99 49.9 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.286 ug/l

RT: 5.034 min Scan# 586

Delta R.T. -0.024 min

Lab File: VD076570.D

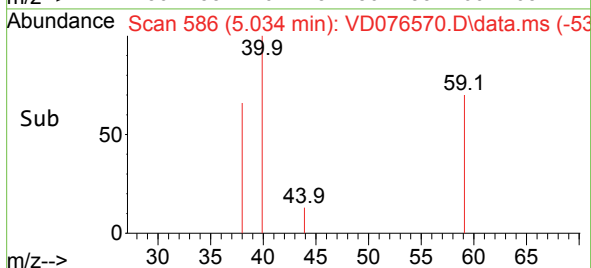
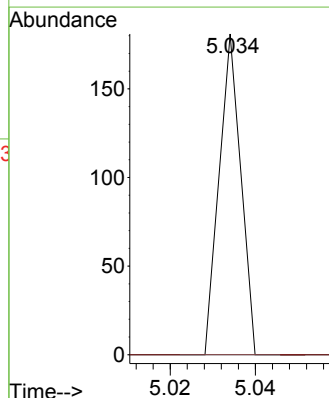
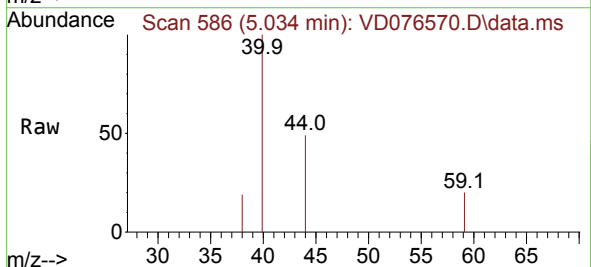
Acq: 23 Jun 2023 21:03

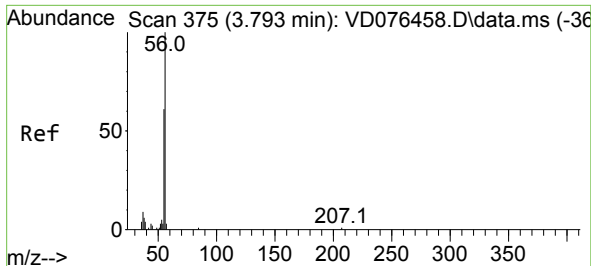
Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

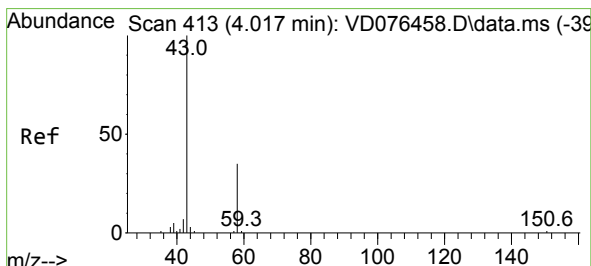
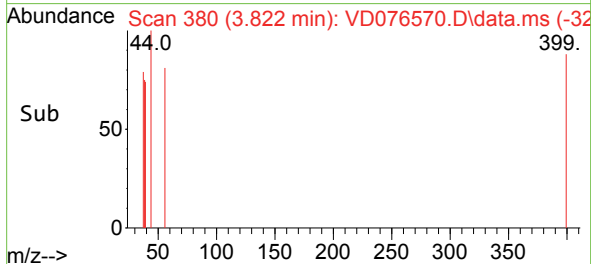
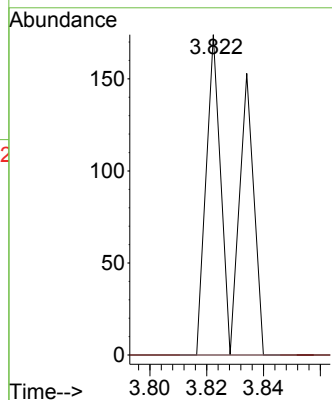
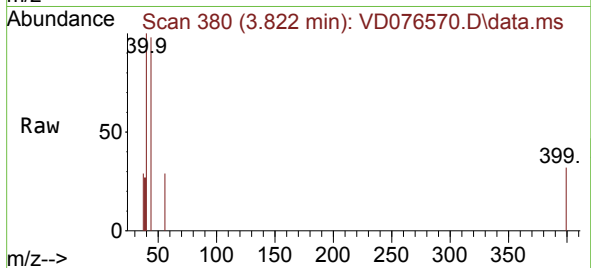




#13
Acrolein
Concen: 2.145 ug/l
RT: 3.822 min Scan# 311
Delta R.T. 0.029 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

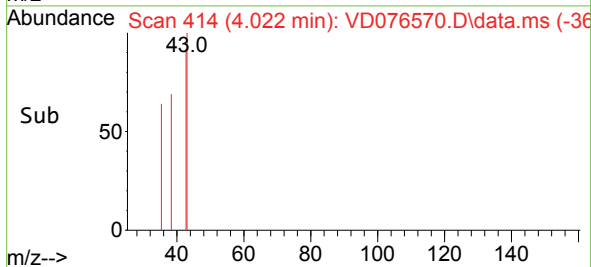
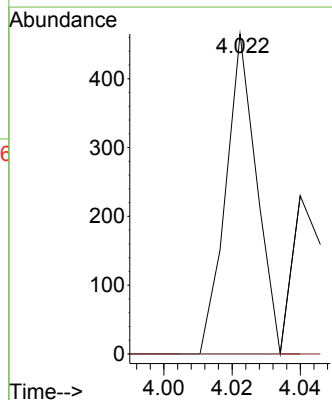
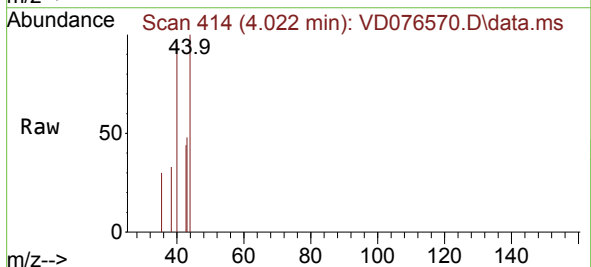
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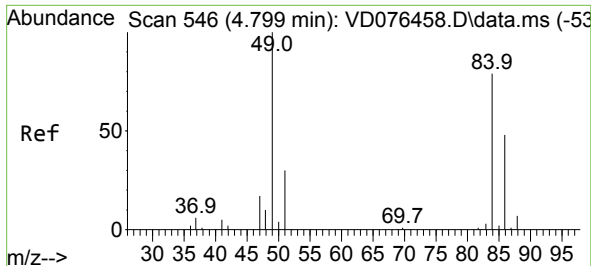
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 2.129 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

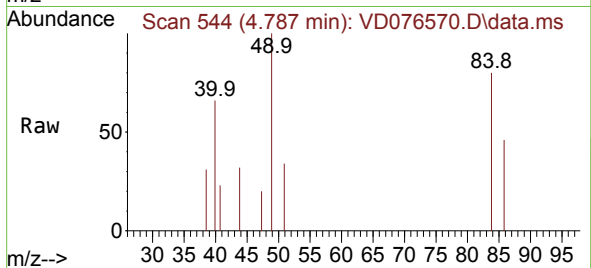
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



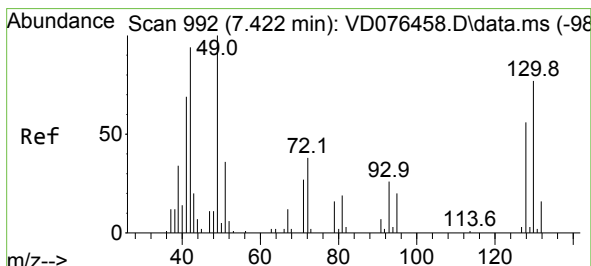
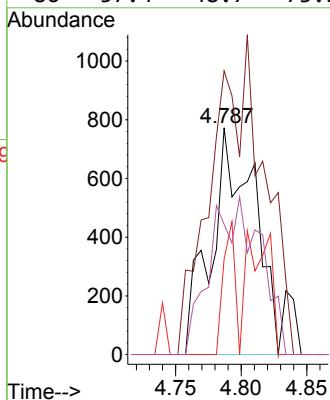
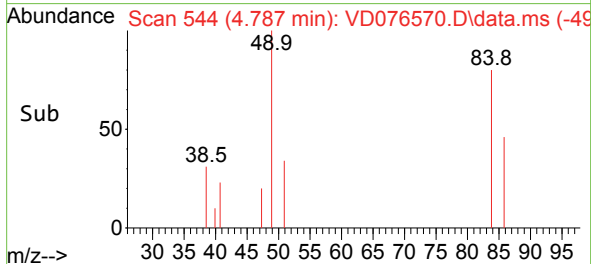


#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

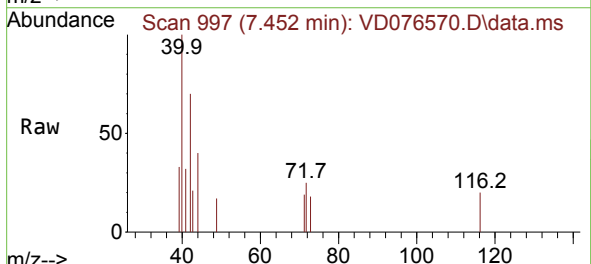
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-22-GRAB-5



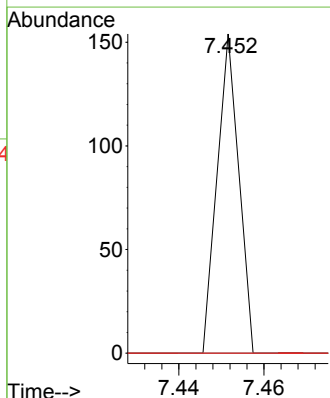
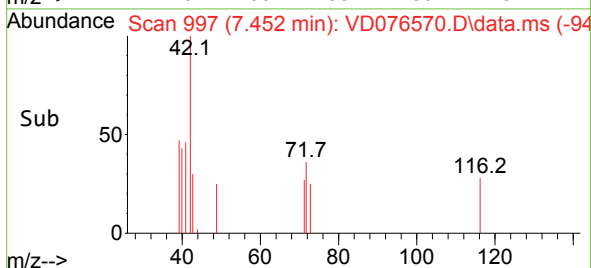
Tgt Ion:	84	Resp:	1765
Ion	Ratio	Lower	Upper
84	100		
49	125.0	71.4	107.2#
51	42.2	24.5	36.7#
86	57.4	48.7	73.1

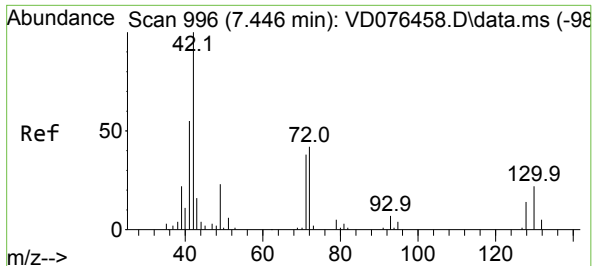


#28
Bromochloromethane
Concen: Below Cal
RT: 7.452 min Scan# 997
Delta R.T. 0.030 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03



Tgt Ion:	49	Resp:	54
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.0
130	0.0	83.2	124.8#





#29

Tetrahydrofuran

Concen: 8.817 ug/l

RT: 7.452 min Scan# 997

Delta R.T. 0.006 min

Lab File: VD076570.D

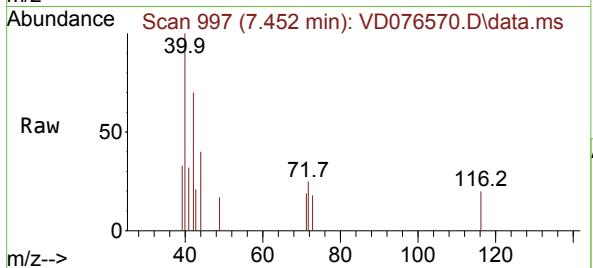
Acq: 23 Jun 2023 21:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-22-GRAB-5



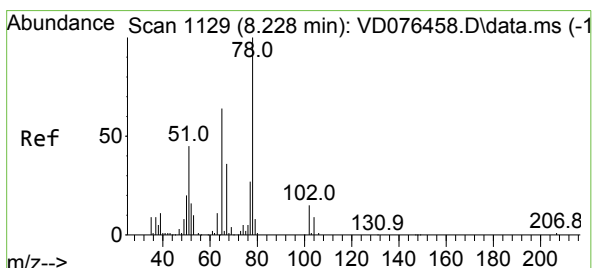
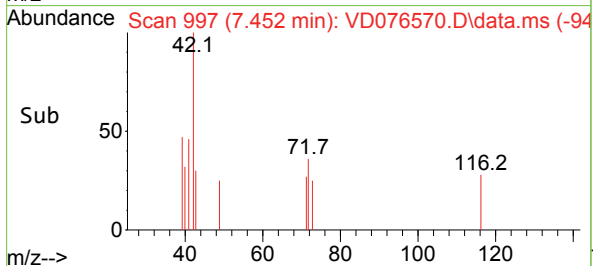
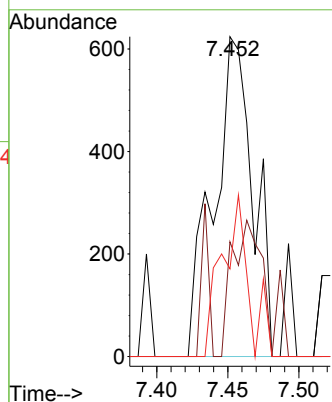
Tgt Ion: 42 Resp: 1202

Ion Ratio Lower Upper

42 100

72 36.7 46.5 69.7#

71 34.4 44.5 66.7#



#33

1,2-Dichloroethane-d4

Concen: 77.872 ug/l

RT: 8.222 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VD076570.D

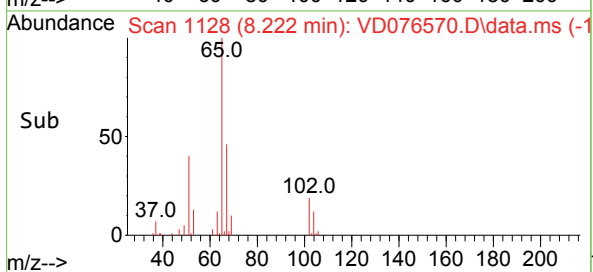
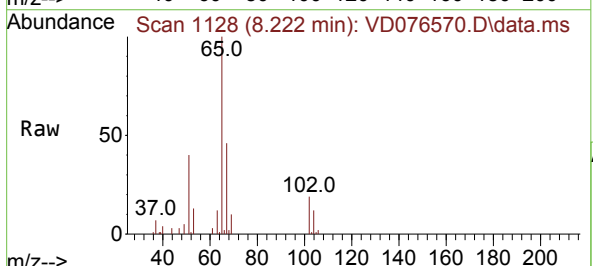
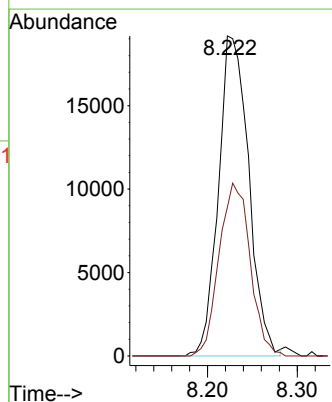
Acq: 23 Jun 2023 21:03

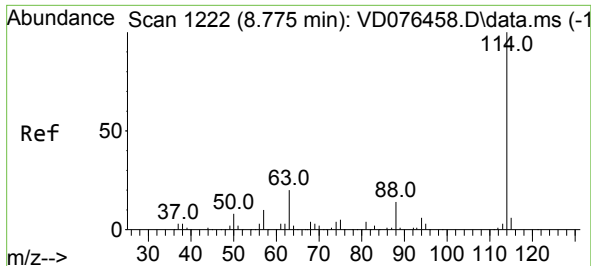
Tgt Ion: 65 Resp: 44884

Ion Ratio Lower Upper

65 100

67 55.4 0.0 115.0

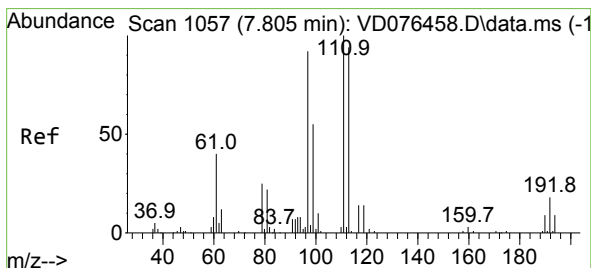
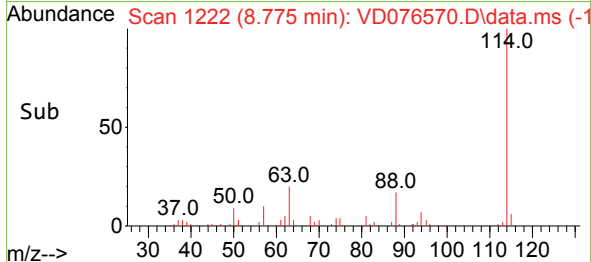
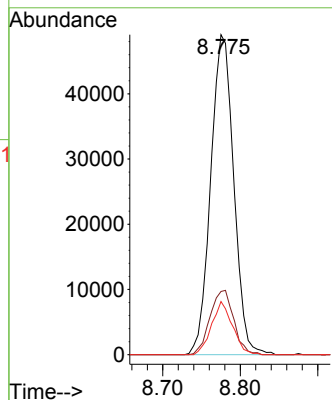
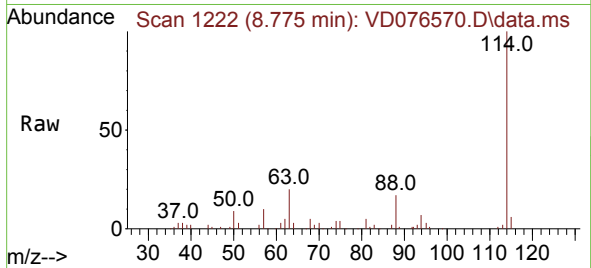




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

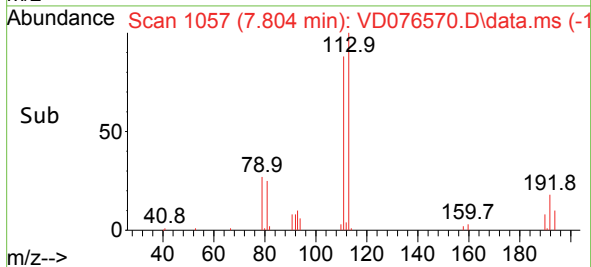
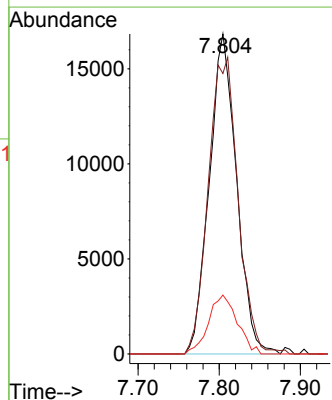
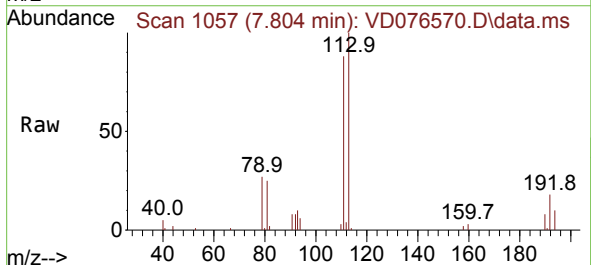
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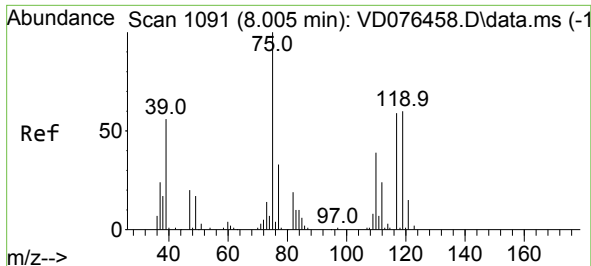
Tgt Ion:114 Resp: 101202
Ion Ratio Lower Upper
114 100
63 19.7 0.0 33.4
88 16.6 0.0 26.2



#35
Dibromofluoromethane
Concen: 65.255 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

Tgt Ion:113 Resp: 39232
Ion Ratio Lower Upper
113 100
111 101.4 84.7 127.1
192 19.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.794 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076570.D

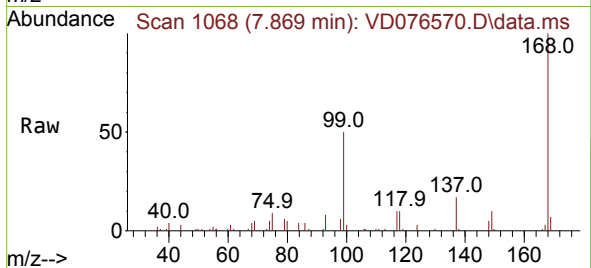
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Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-22-GRAB-5



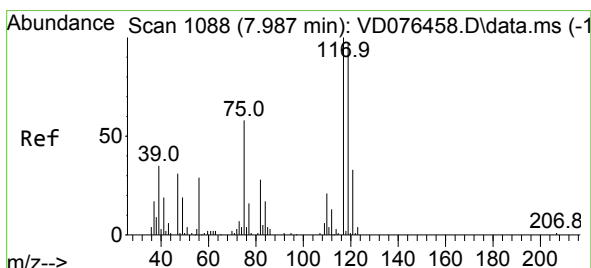
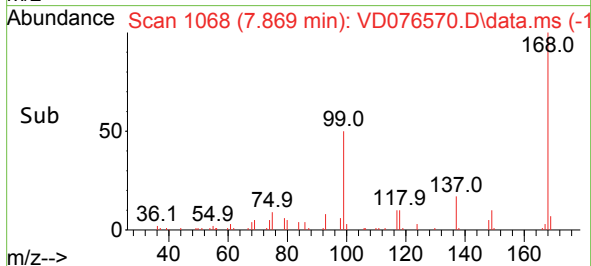
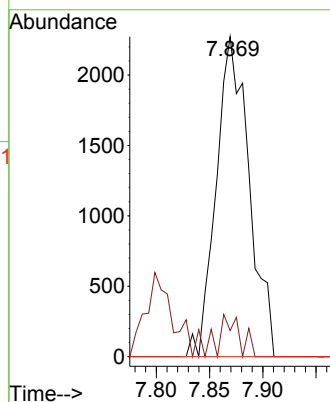
Tgt Ion: 75 Resp: 4878

Ion Ratio Lower Upper

75 100

110 8.4 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.732 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076570.D

Acq: 23 Jun 2023 21:03

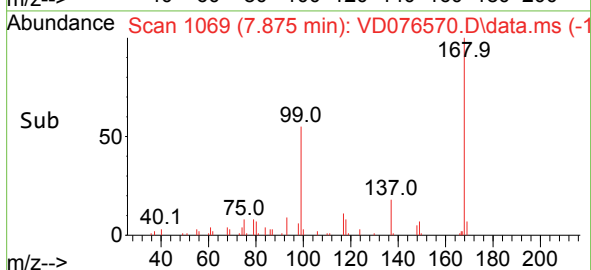
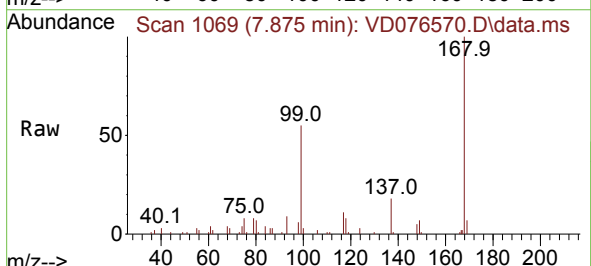
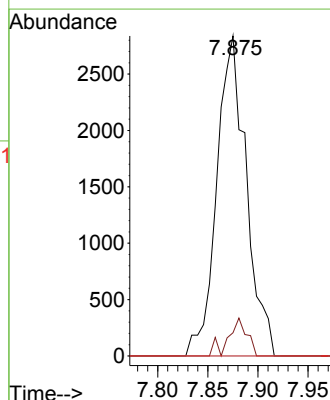
Tgt Ion: 117 Resp: 5818

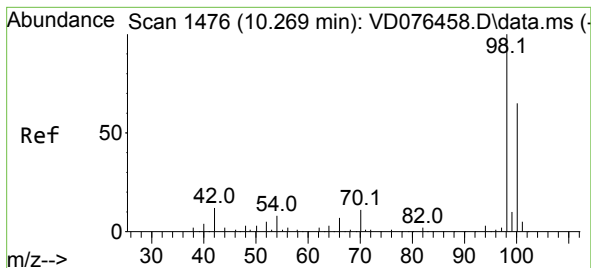
Ion Ratio Lower Upper

117 100

119 7.3 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 42.072 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076570.D

Acq: 23 Jun 2023 21:03

Instrument :

MSVOA_D

ClientSampleId :

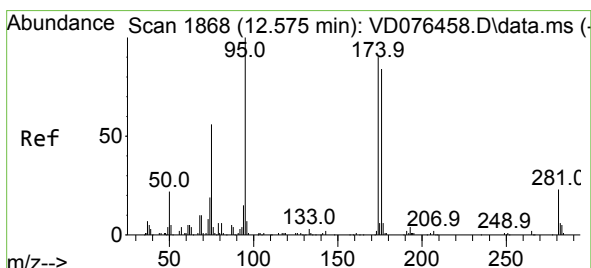
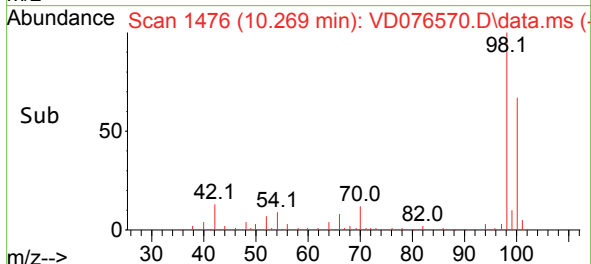
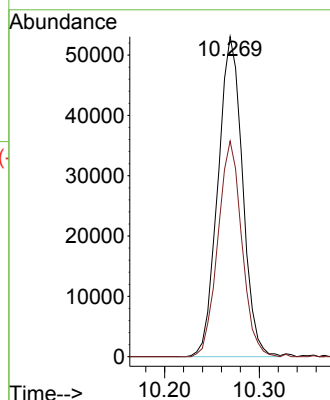
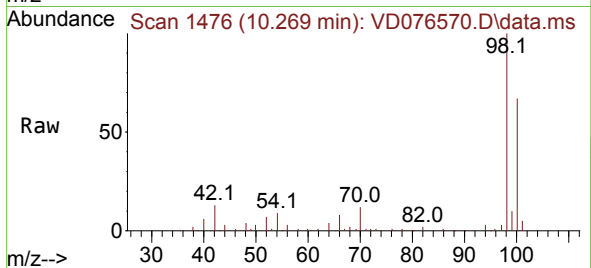
TOTAL-VOC-SB-22-GRAB-5

Tgt Ion: 98 Resp: 95926

Ion Ratio Lower Upper

98 100

100 65.4 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 21.441 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076570.D

Acq: 23 Jun 2023 21:03

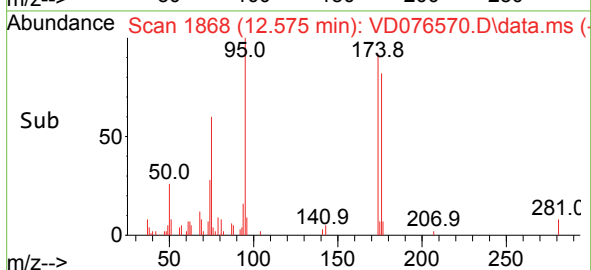
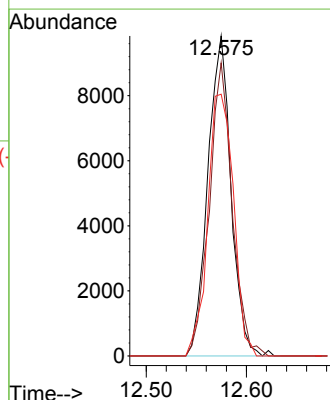
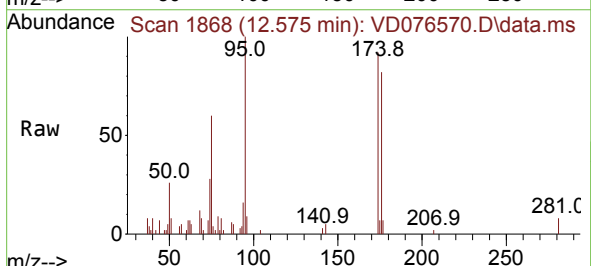
Tgt Ion: 95 Resp: 15866

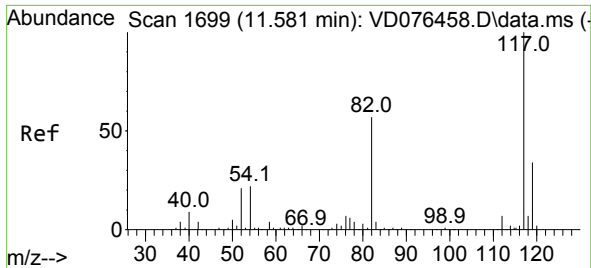
Ion Ratio Lower Upper

95 100

174 90.4 0.0 201.8

176 90.6 0.0 191.8

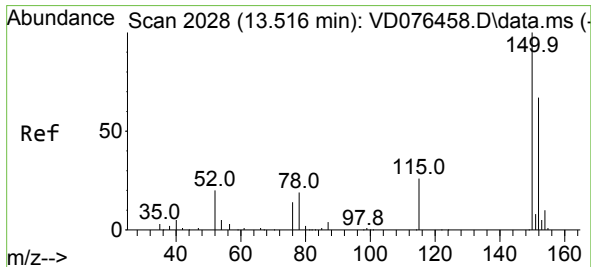
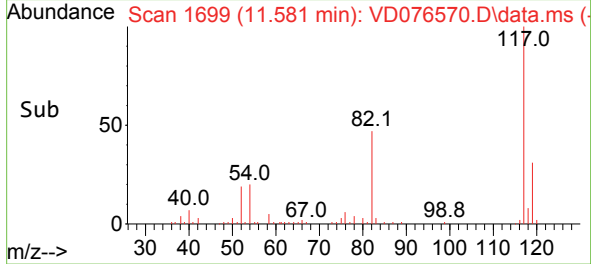
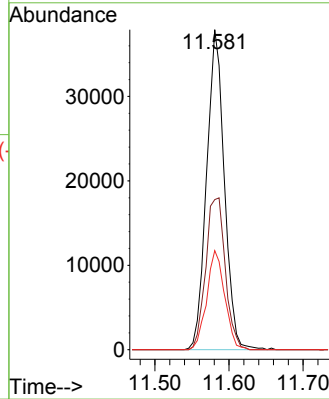
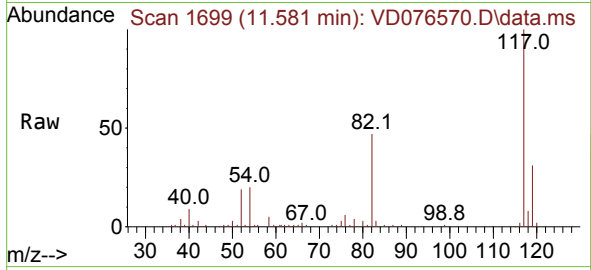




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

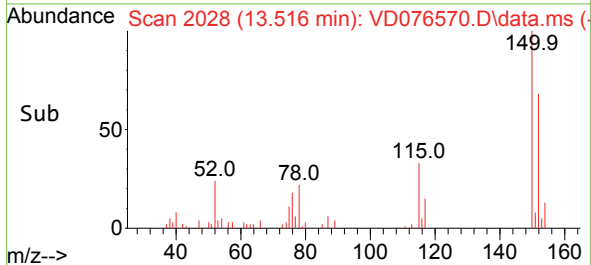
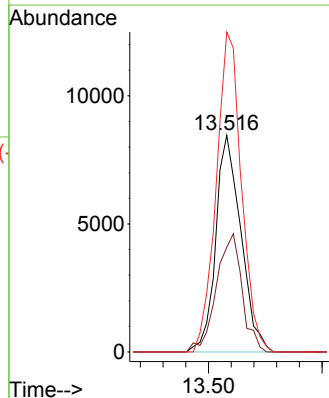
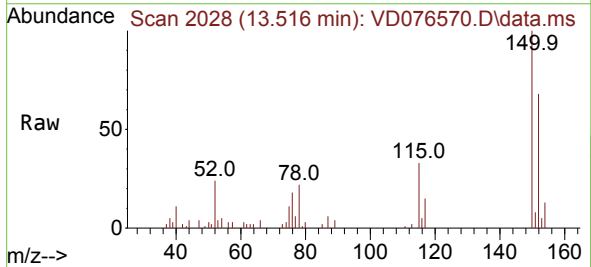
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-22-GRAB-5

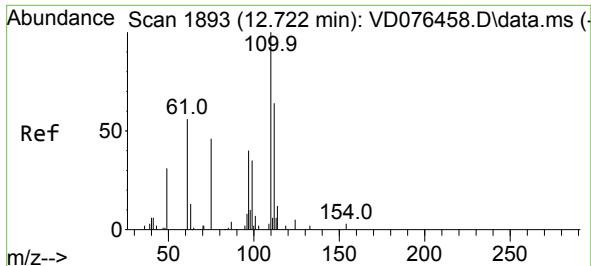
Tgt Ion:117	Resp:	62982
Ion Ratio	Lower	Upper
117	100	
82	46.9	38.3 57.5
119	30.9	25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

Tgt Ion:152	Resp:	13004
Ion Ratio	Lower	Upper
152	100	
115	55.7	27.1 81.3
150	148.0	0.0 353.6

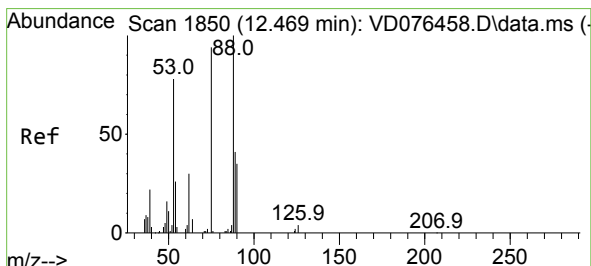
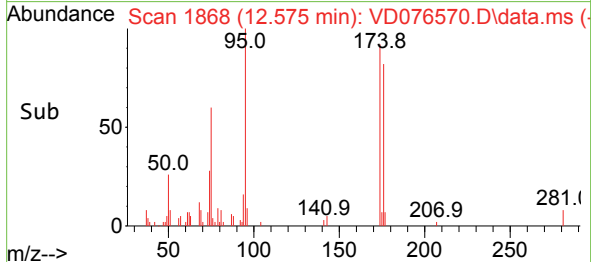
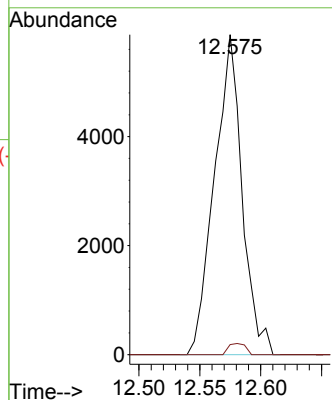
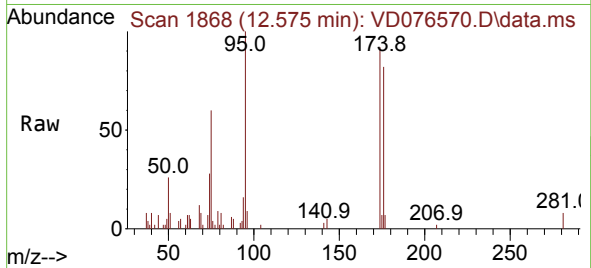




#76
1,2,3-Trichloropropane
Concen: 71.741 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

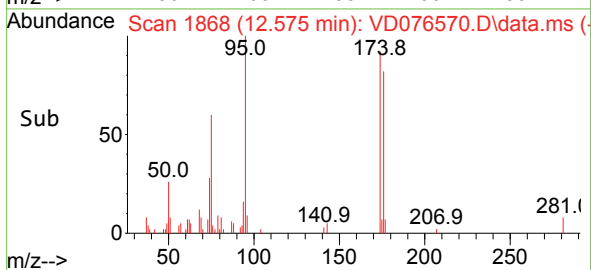
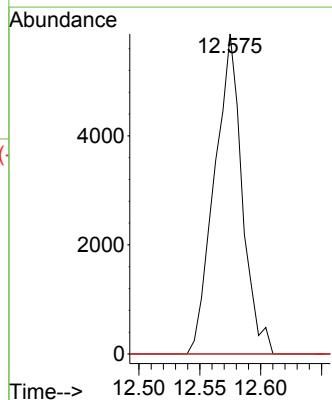
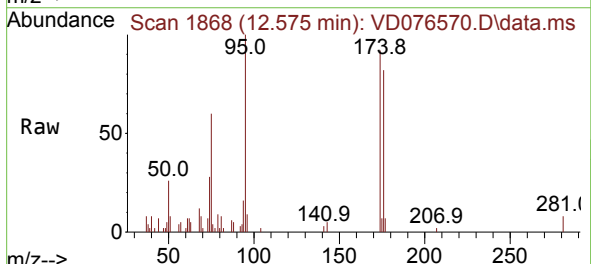
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-22-GRAB-5

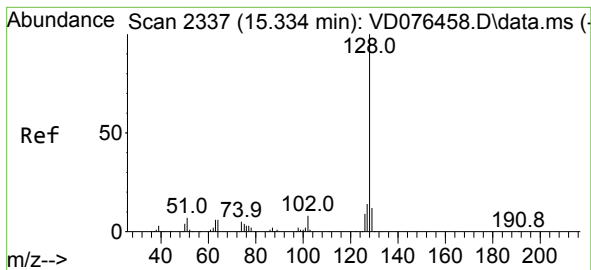
Tgt Ion: 75 Resp: 9259
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 157.201 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076570.D
Acq: 23 Jun 2023 21:03

Tgt Ion: 75 Resp: 9259
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95

Naphthalene

Concen: 1.542 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD076570.D

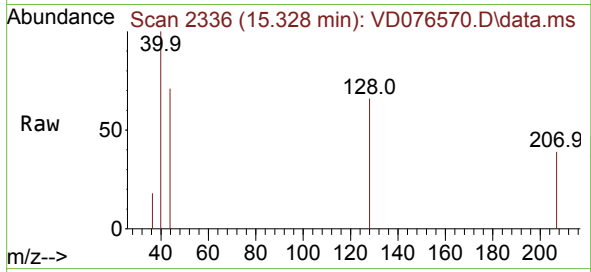
Acq: 23 Jun 2023 21:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-22-GRAB-5



Tgt Ion:128 Resp: 762

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

