

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076565.D
 Acq On : 23 Jun 2023 18:33
 Operator : KP/SY
 Sample : 03361-06
 Misc : 12.84G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 24 00:58:45 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)

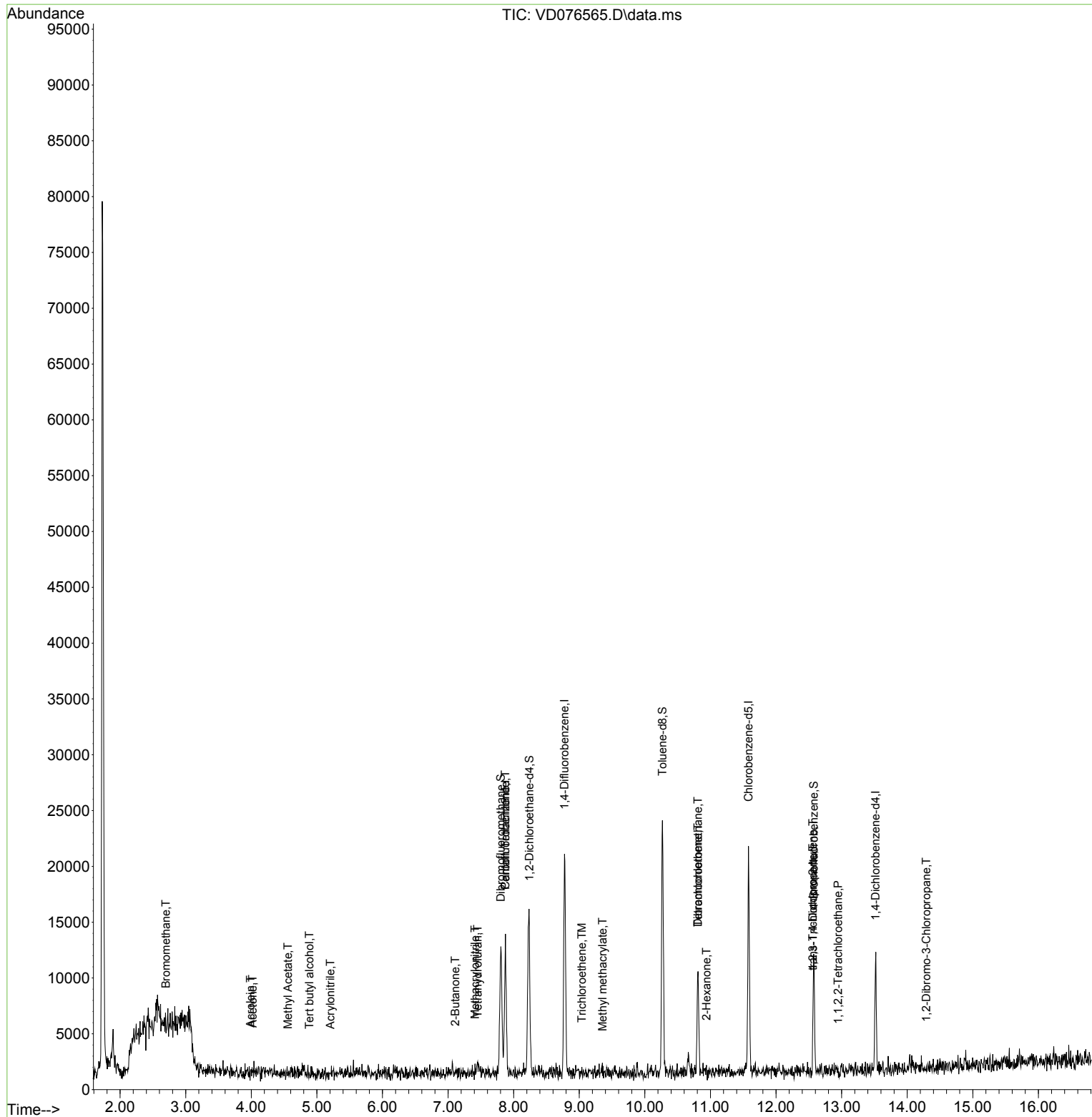
Internal Standards						
1) Pentafluorobenzene	7.875	168	8766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	16253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	10848	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	2812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	11543	131.428	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 262.860%#			
35) Dibromofluoromethane	7.804	113	8083	83.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 167.420%#			
50) Toluene-d8	10.269	98	15946	43.547	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.100%			
62) 4-Bromofluorobenzene	12.575	95	3075	25.875	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 51.760%			
Target Compounds					Qvalue	
5) Bromomethane	2.699	94	207	2.060	ug/l #	71
11) Tert butyl alcohol	4.887	59	61	8.044	ug/l #	73
13) Acrolein	3.987	56	57	6.979	ug/l #	15
15) Acrylonitrile	5.204	53	65	2.641	ug/l #	18
16) Acetone	4.022	43	203	9.713	ug/l #	32
18) Methyl Acetate	4.557	43	213	2.211	ug/l #	42
20) Methylene Chloride	4.799	84	523	Below Cal	#	49
25) 2-Butanone	7.110	43	168	5.197	ug/l #	37
28) Bromochloromethane	7.369	49	54	Below Cal	#	1
29) Tetrahydrofuran	7.451	42	175	8.424	ug/l #	1
38) Carbon Tetrachloride	7.875	117	767	6.347	ug/l #	11
41) Methacrylonitrile	7.410	41	61	1.379	ug/l #	2
44) Trichloroethene	9.039	130	124	1.115	ug/l	5
48) Methyl methacrylate	9.357	41	72	1.059	ug/l #	1
59) 2-Hexanone	10.939	43	141	2.673	ug/l #	16
60) Dibromochloromethane	10.810	129	1708	17.519	ug/l #	12
64) Tetrachloroethene	10.810	164	2120	32.557	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.945	83	69	1.766	ug/l #	25
76) 1,2,3-Trichloropropane	12.563	75	1835	65.751	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	1835	144.075	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.292	75	61	10.373	ug/l #	1

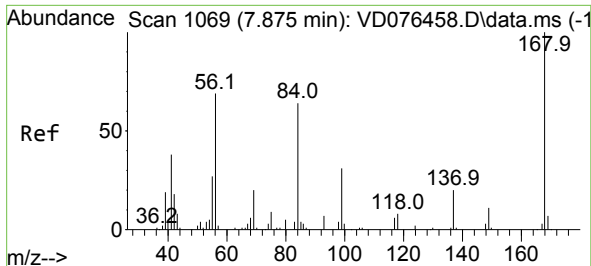
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD076565.D
Acq On : 23 Jun 2023 18:33
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TOTAL-VOC-SB-29-GRAB-5

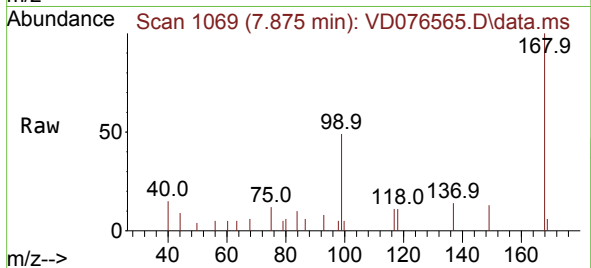
Quant Time: Jun 24 00:58:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
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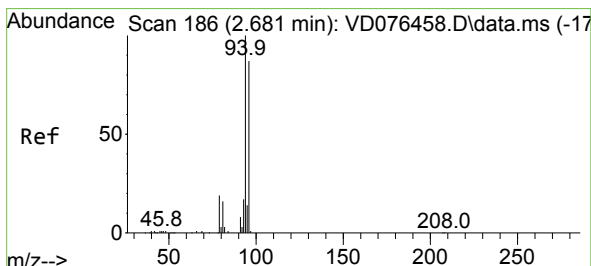
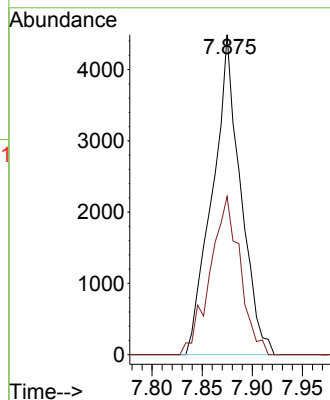
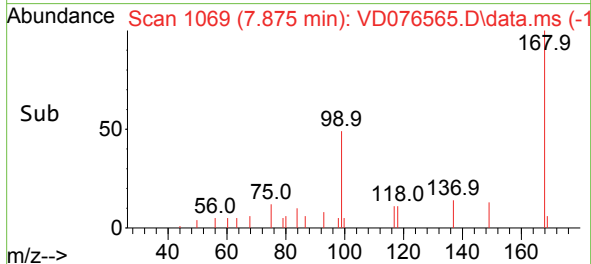


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

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

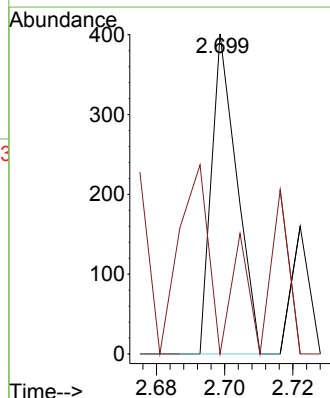
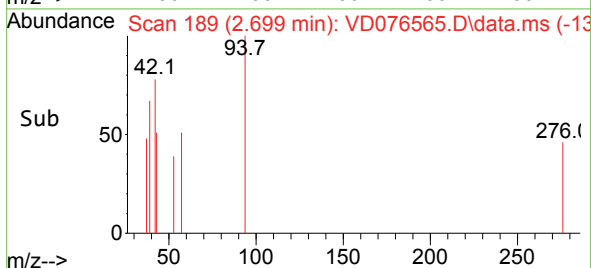
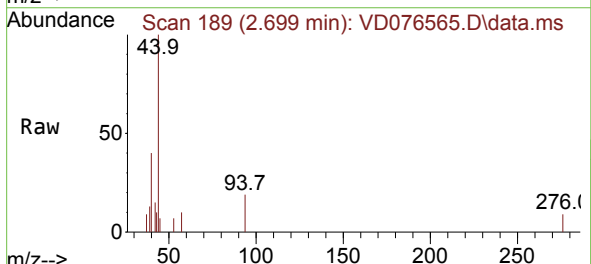


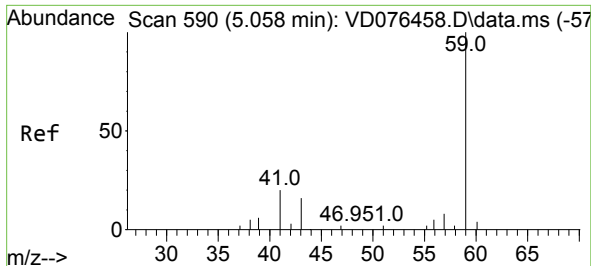
Tgt Ion:168 Resp: 8766
Ion Ratio Lower Upper
168 100
99 49.4 36.7 55.1



#5
Bromomethane
Concen: 2.060 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.017 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 67.1 75.8 113.8#

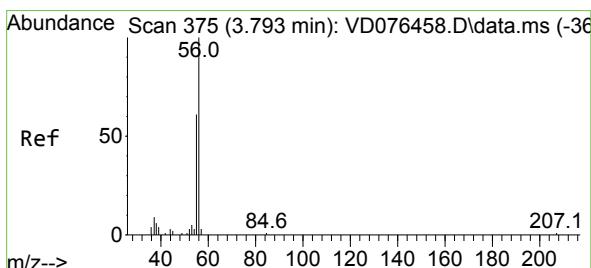
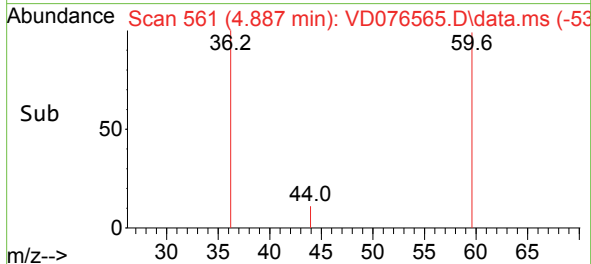
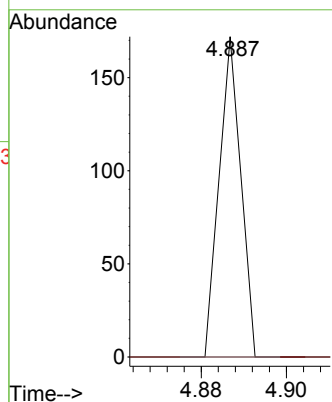
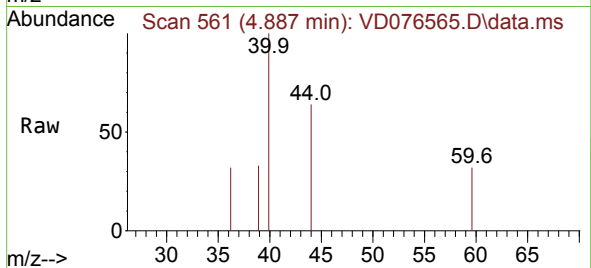




#11
Tert butyl alcohol
Concen: 8.044 ug/l
RT: 4.887 min Scan# 509
Delta R.T. -0.171 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

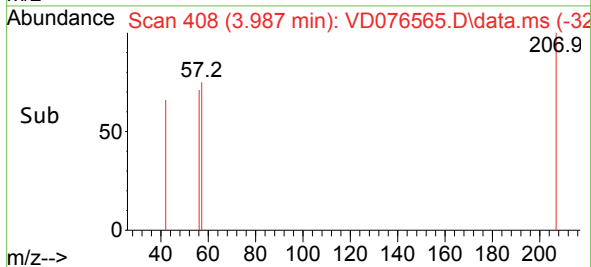
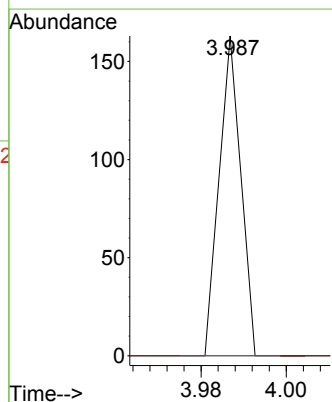
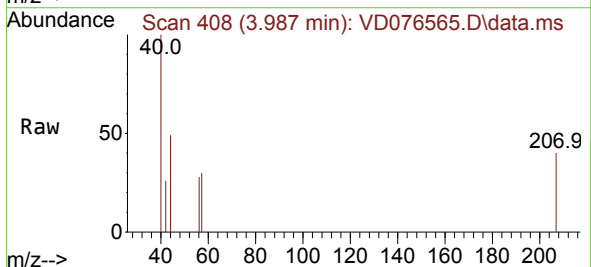
Instrument :
MSVOA_D
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TOTAL-VOC-SB-29-GRAB-5

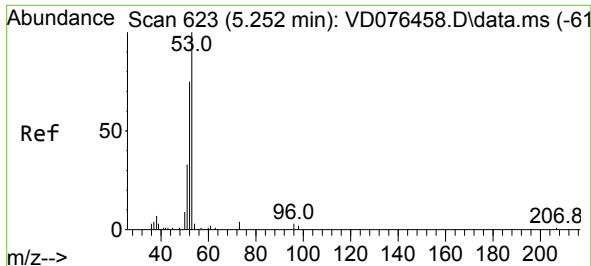
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 6.979 ug/l
RT: 3.987 min Scan# 408
Delta R.T. 0.194 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

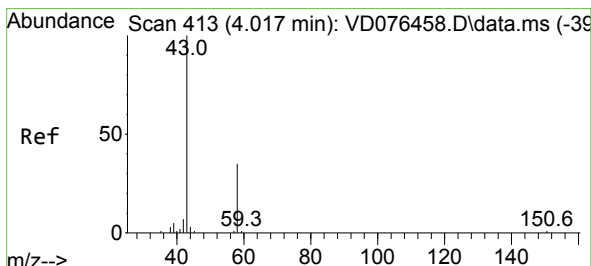
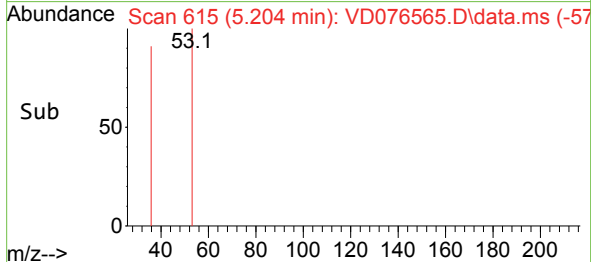
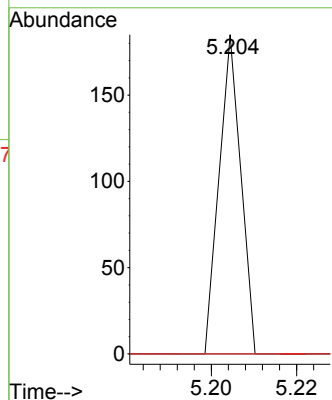
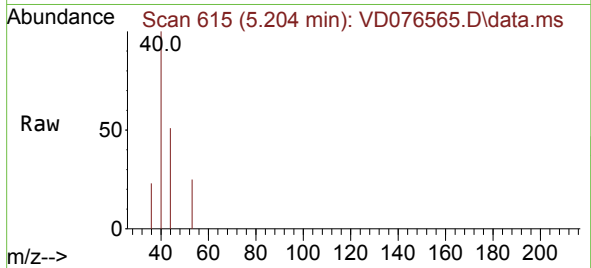




#15
Acrylonitrile
Concen: 2.641 ug/l
RT: 5.204 min Scan# 615
Delta R.T. -0.047 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

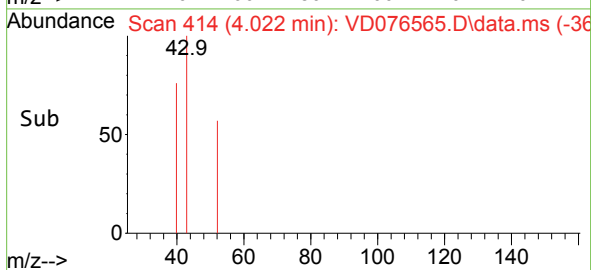
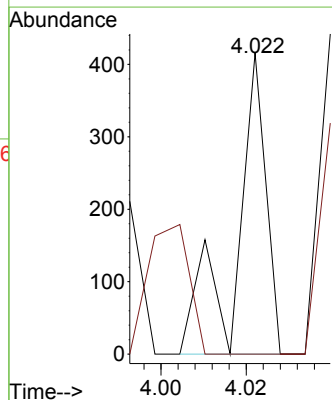
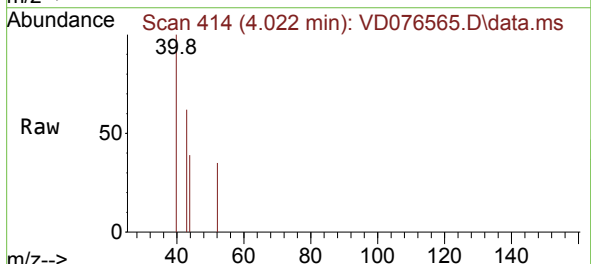
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5

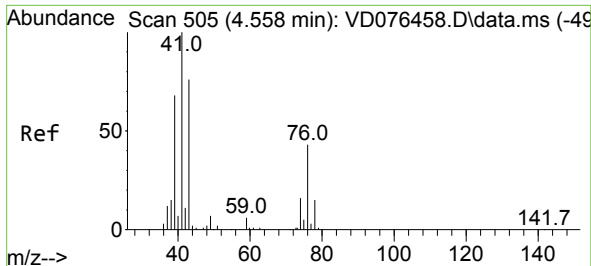
Tgt Ion: 53 Resp: 65
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 9.713 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

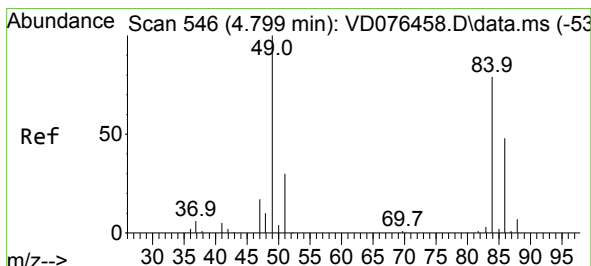
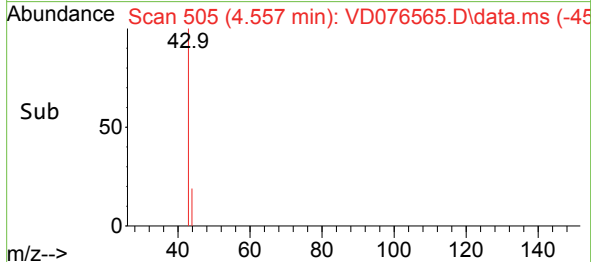
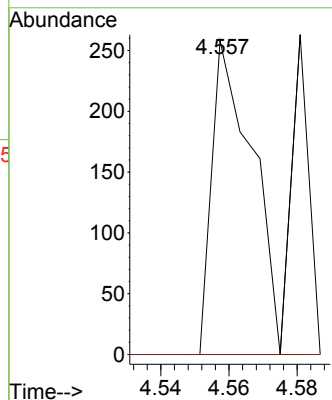
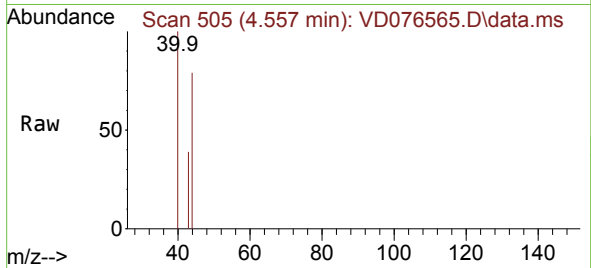




#18
Methyl Acetate
Concen: 2.211 ug/l
RT: 4.557 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

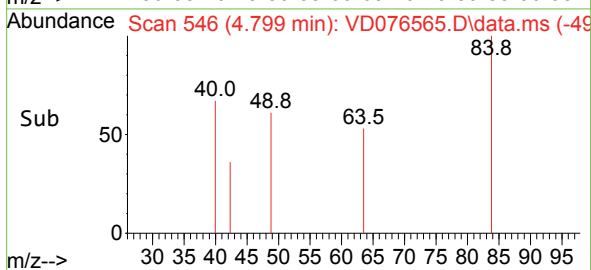
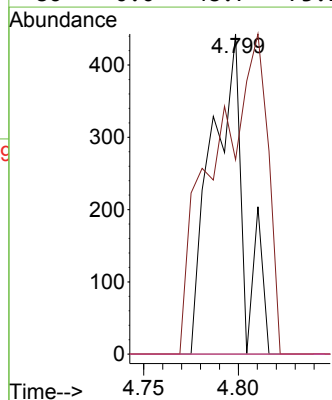
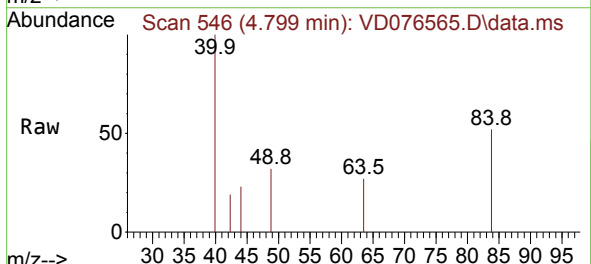
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5

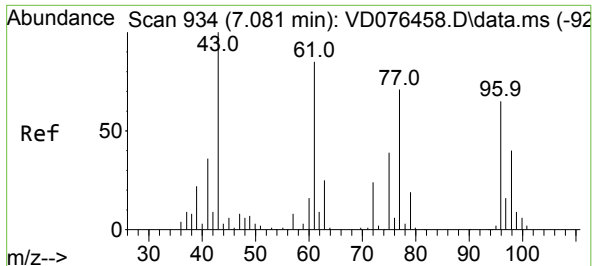
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 84 Resp: 523
Ion Ratio Lower Upper
84 100
49 60.7 71.4 107.2#
51 0.0 24.5 36.7#
86 0.0 48.7 73.1#





#25

2-Butanone

Concen: 5.197 ug/l

RT: 7.110 min Scan# 91

Delta R.T. 0.029 min

Lab File: VD076565.D

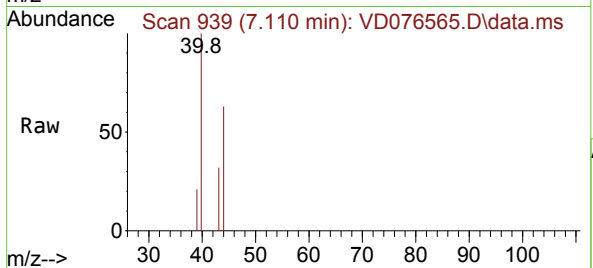
Acq: 23 Jun 2023 18:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5

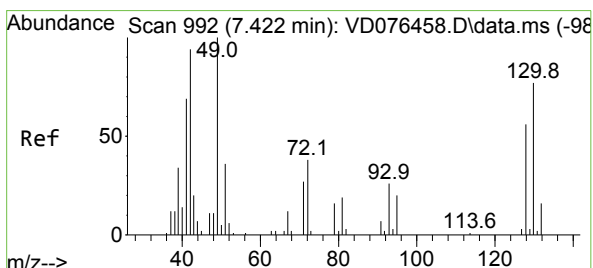
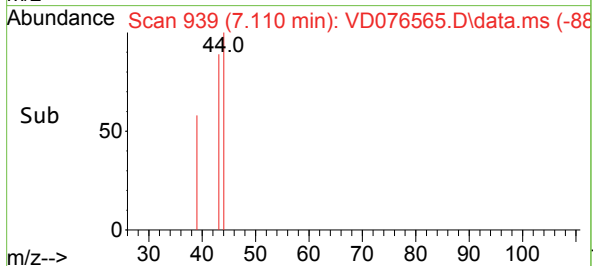
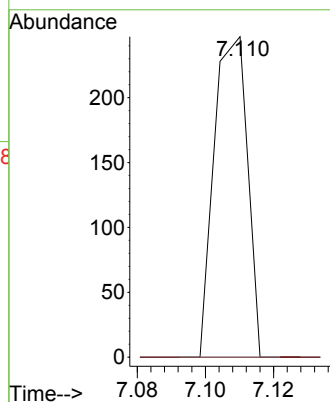


Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.369 min Scan# 983

Delta R.T. -0.053 min

Lab File: VD076565.D

Acq: 23 Jun 2023 18:33

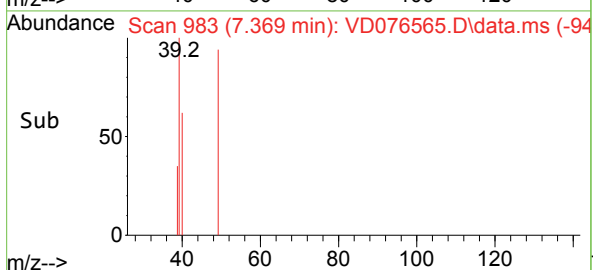
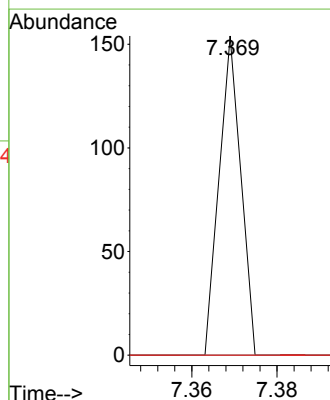
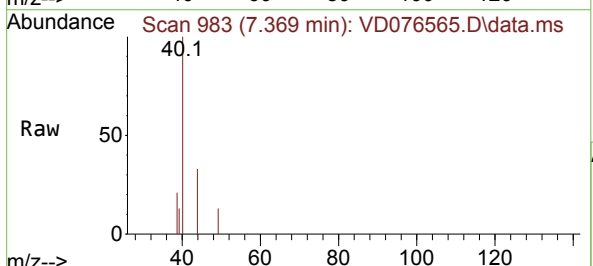
Tgt Ion: 49 Resp: 54

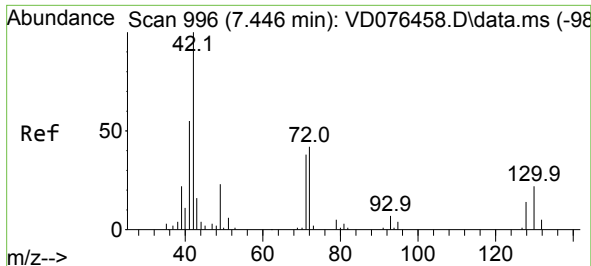
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 8.424 ug/l

RT: 7.451 min Scan# 996

Delta R.T. 0.005 min

Lab File: VD076565.D

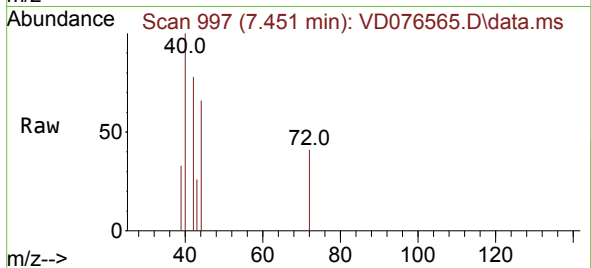
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Instrument :

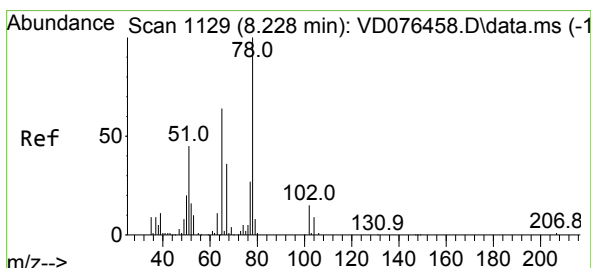
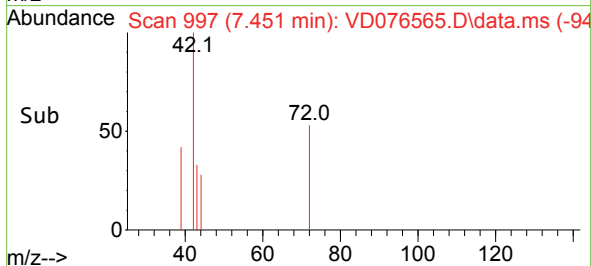
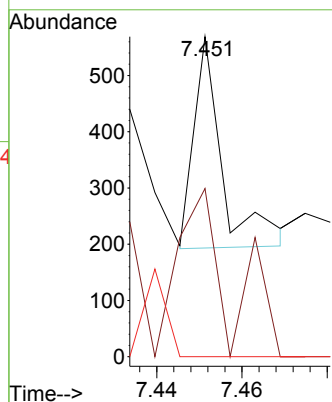
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5



Tgt Ion:	42	Resp:	175
Ion Ratio	Lower	Upper	
42	100		
72	194.3	46.5	69.7#
71	0.0	44.5	66.7#



#33

1,2-Dichloroethane-d4

Concen: 131.428 ug/l

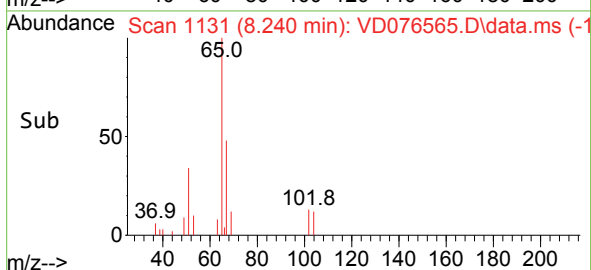
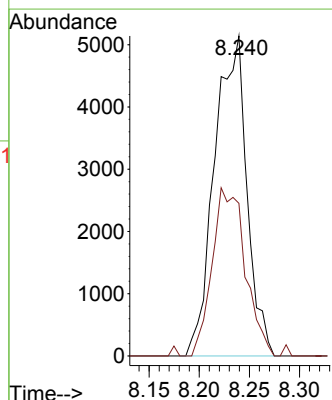
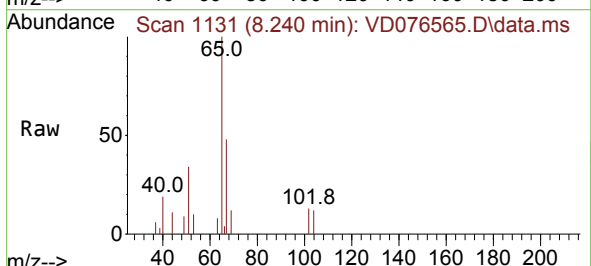
RT: 8.240 min Scan# 1131

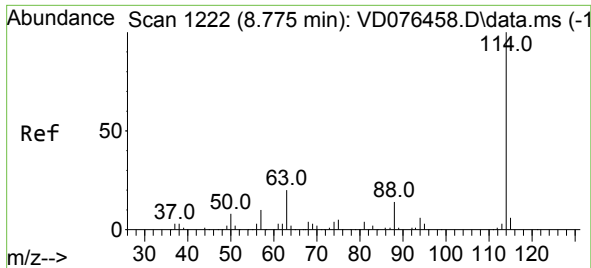
Delta R.T. 0.011 min

Lab File: VD076565.D

Acq: 23 Jun 2023 18:33

Tgt Ion:	65	Resp:	11543
Ion Ratio	Lower	Upper	
65	100		
67	53.6	0.0	115.0

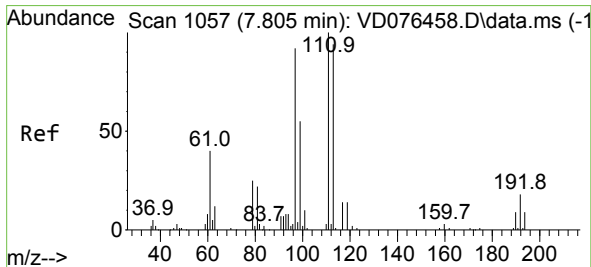
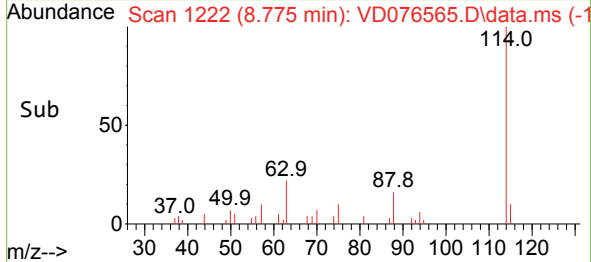
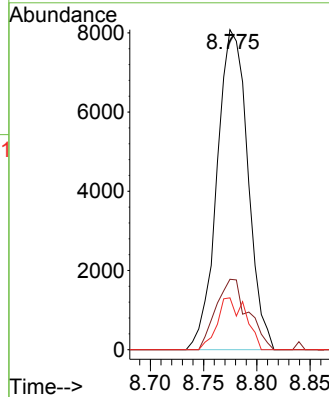
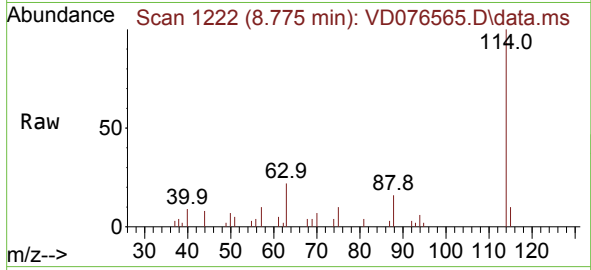




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

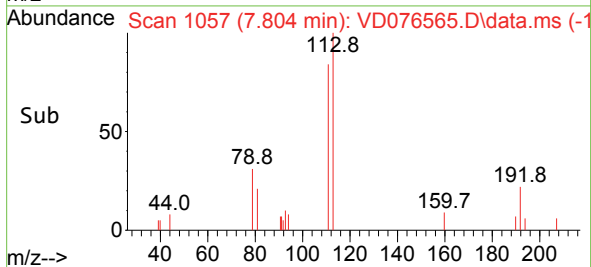
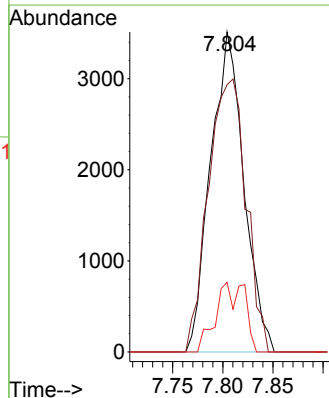
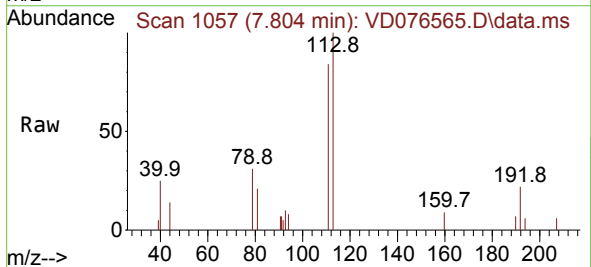
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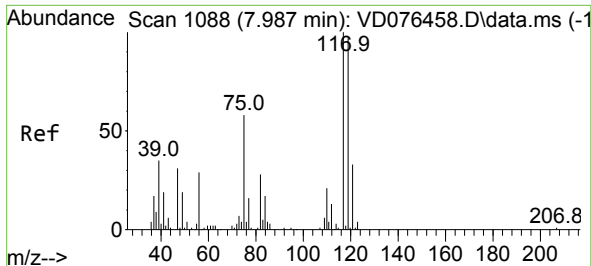
Tgt Ion:114	Resp:	16253
Ion Ratio	Lower	Upper
114	100	
63	22.0	0.0 33.4
88	16.2	0.0 26.2



#35
Dibromofluoromethane
Concen: 83.715 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

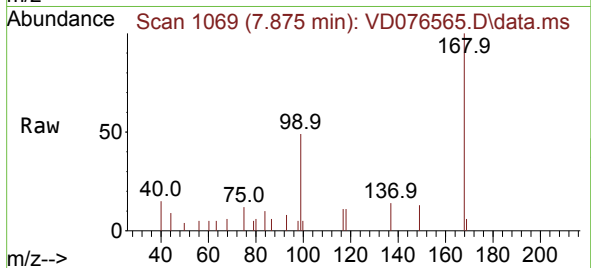
Tgt Ion:113	Resp:	8083
Ion Ratio	Lower	Upper
113	100	
111	96.7	84.7 127.1
192	11.8	16.8 25.2#



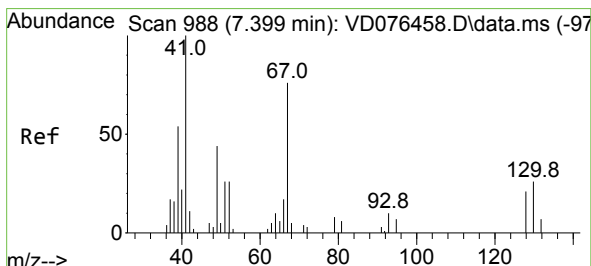
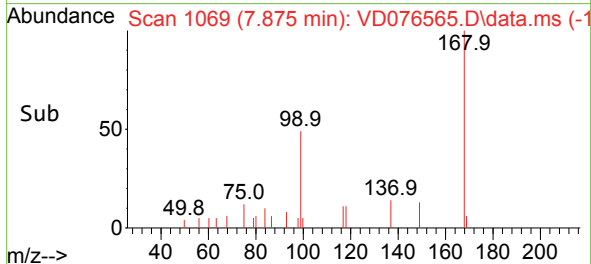
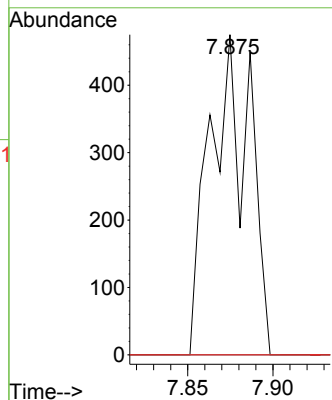


#38
Carbon Tetrachloride
Concen: 6.347 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

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

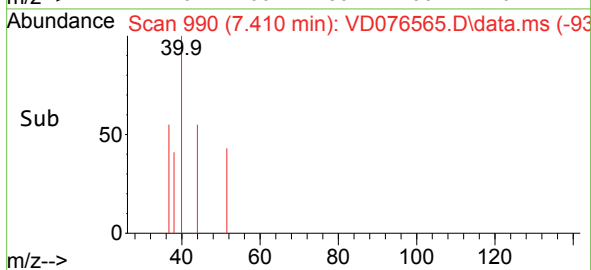
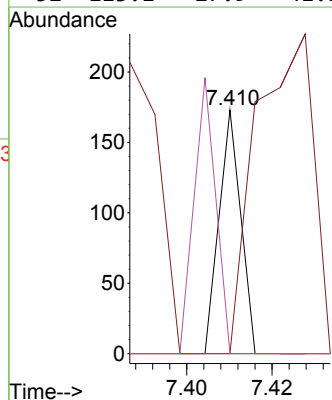
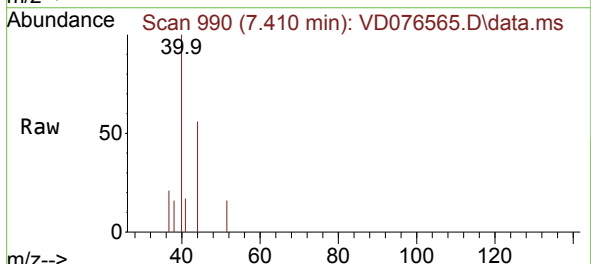


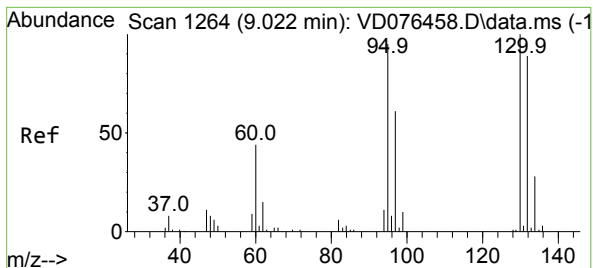
Tgt Ion:117 Resp: 767
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.379 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.011 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
39 0.0 34.0 51.0#
67 0.0 77.0 115.4#
52 113.1 27.9 41.9#





#44

Trichloroethene

Concen: 1.115 ug/l

RT: 9.039 min Scan# 11

Delta R.T. 0.017 min

Lab File: VD076565.D

Acq: 23 Jun 2023 18:33

Instrument :

MSVOA_D

ClientSampleId :

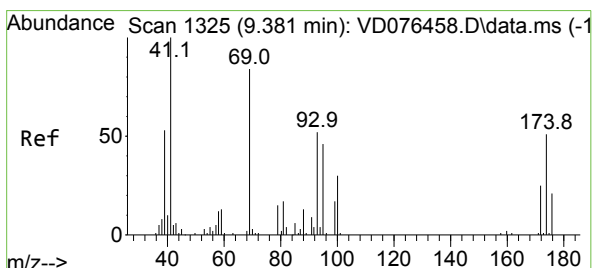
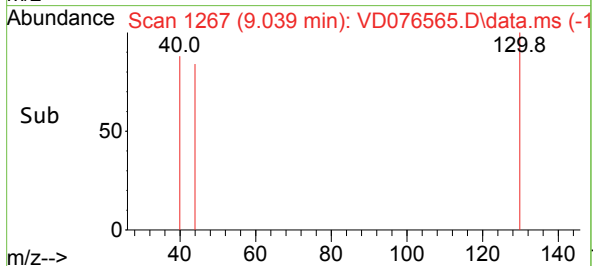
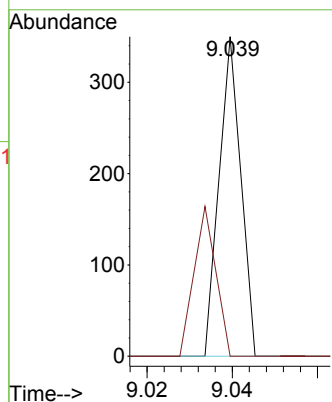
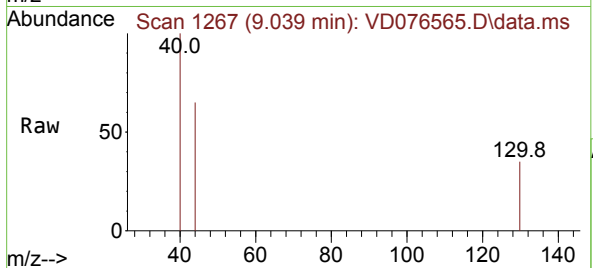
TOTAL-VOC-SB-29-GRAB-5

Tgt Ion:130 Resp: 124

Ion Ratio Lower Upper

130 100

95 0.0 0.0 179.2



#48

Methyl methacrylate

Concen: 1.059 ug/l

RT: 9.357 min Scan# 1321

Delta R.T. -0.024 min

Lab File: VD076565.D

Acq: 23 Jun 2023 18:33

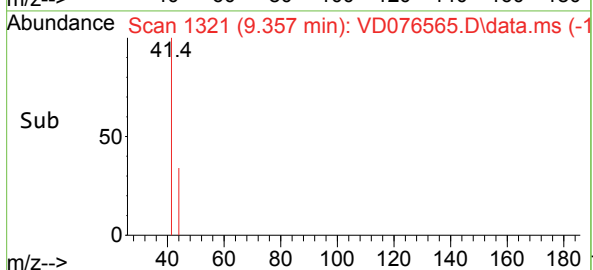
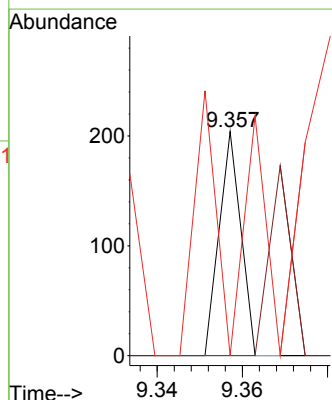
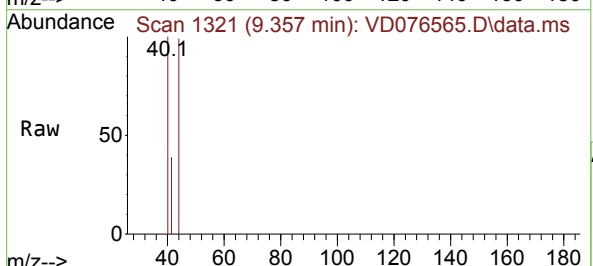
Tgt Ion: 41 Resp: 72

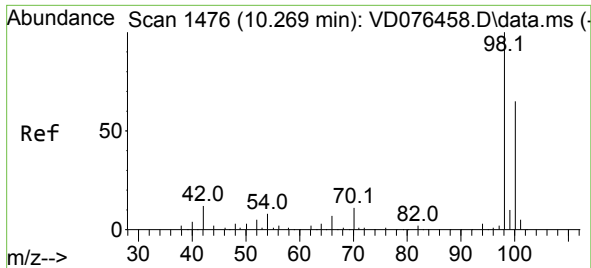
Ion Ratio Lower Upper

41 100

69 0.0 102.2 153.2#

39 118.1 41.4 62.2#

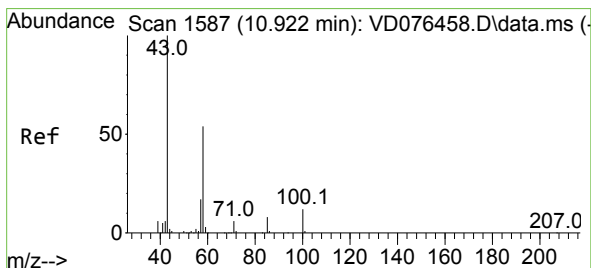
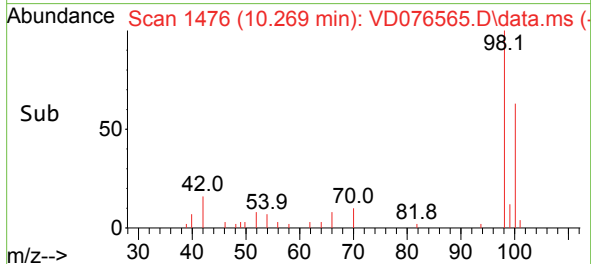
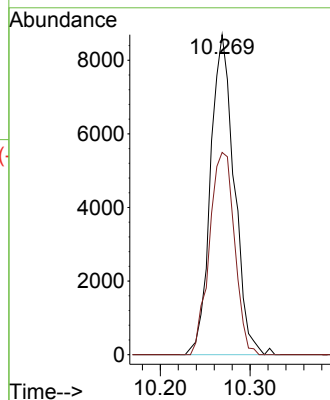
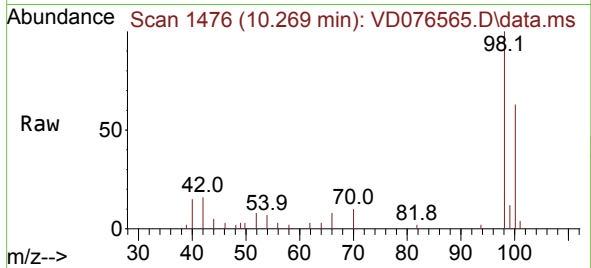




#50
Toluene-d8
Concen: 43.547 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

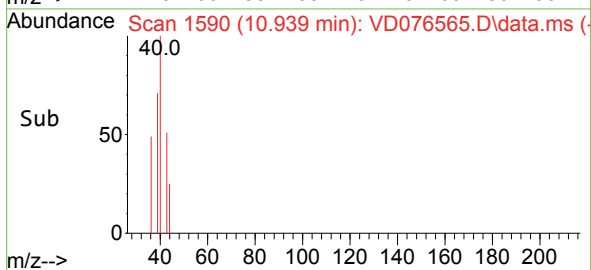
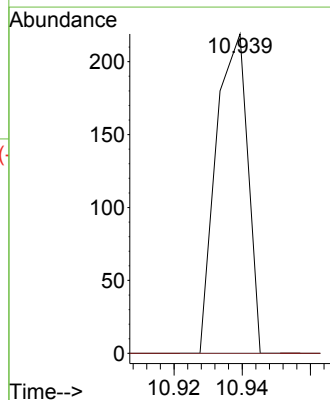
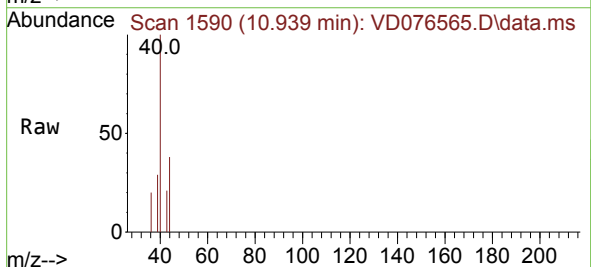
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-29-GRAB-5

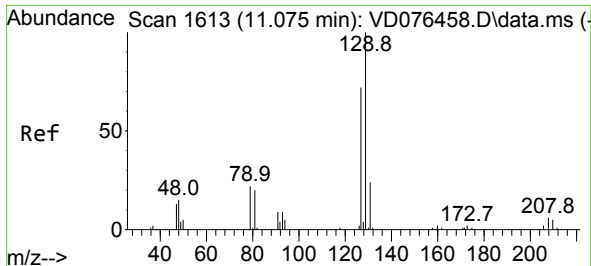
Tgt Ion: 98 Resp: 15946
Ion Ratio Lower Upper
98 100
100 66.9 50.3 75.5



#59
2-Hexanone
Concen: 2.673 ug/l
RT: 10.939 min Scan# 1590
Delta R.T. 0.017 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

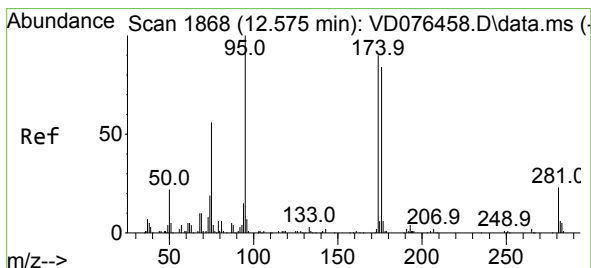
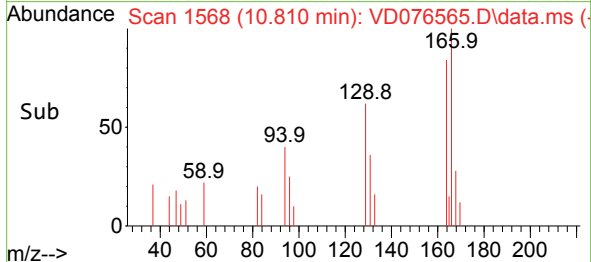
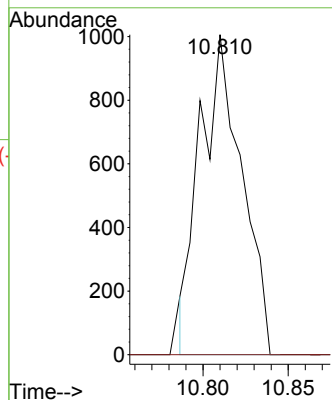
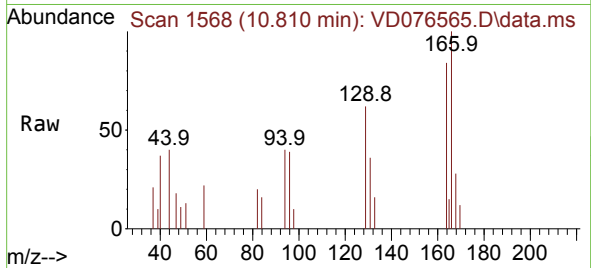




#60
Dibromochloromethane
Concen: 17.519 ug/l
RT: 10.810 min Scan# 11
Delta R.T. -0.265 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

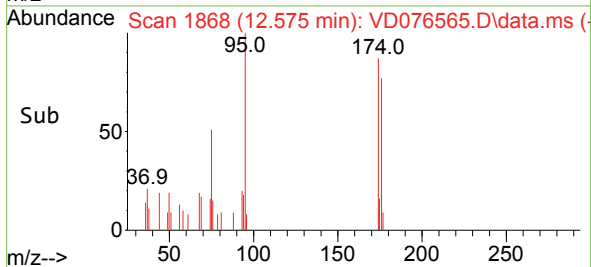
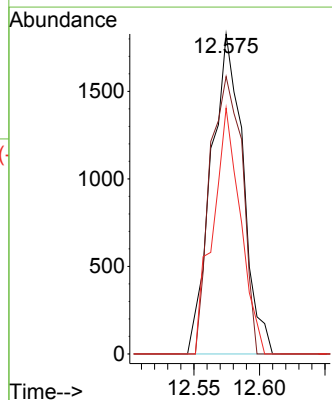
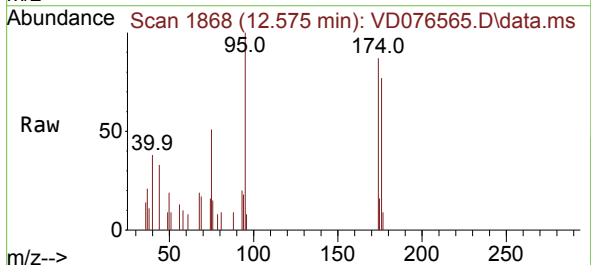
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5

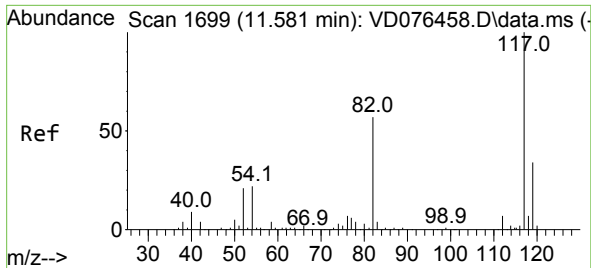
Tgt Ion:129 Resp: 1708
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#



#62
4-Bromofluorobenzene
Concen: 25.875 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion: 95 Resp: 3075
Ion Ratio Lower Upper
95 100
174 87.7 0.0 201.8
176 67.0 0.0 191.8

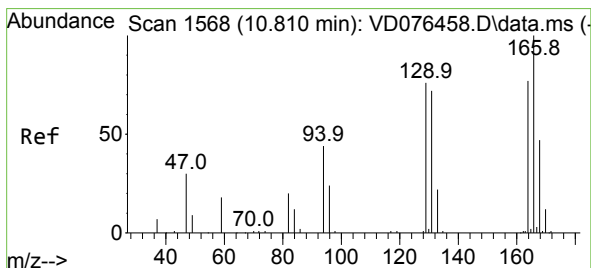
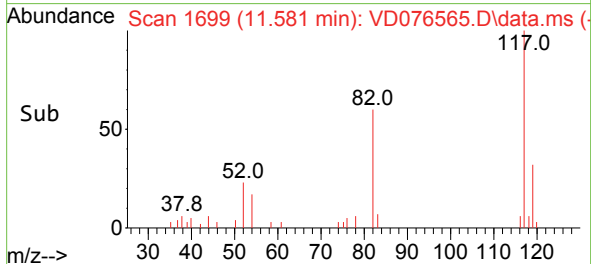
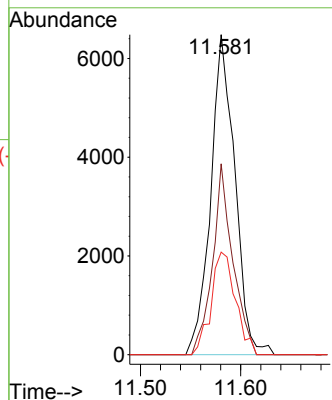
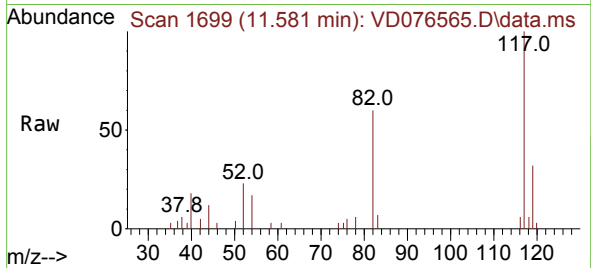




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

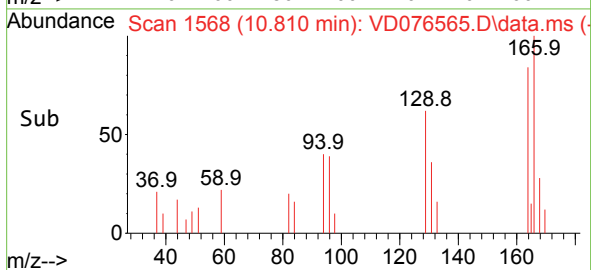
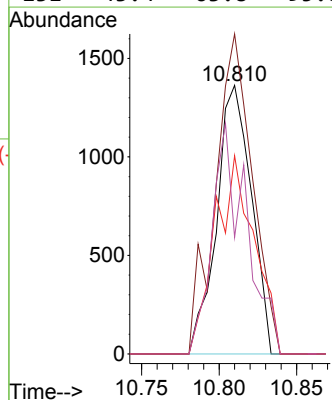
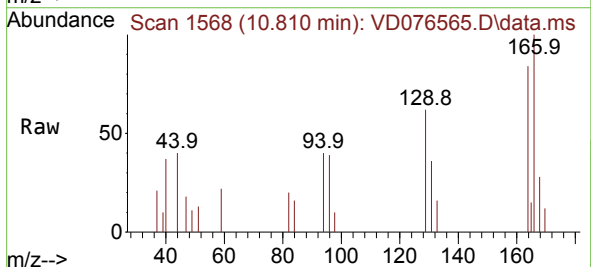
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-29-GRAB-5

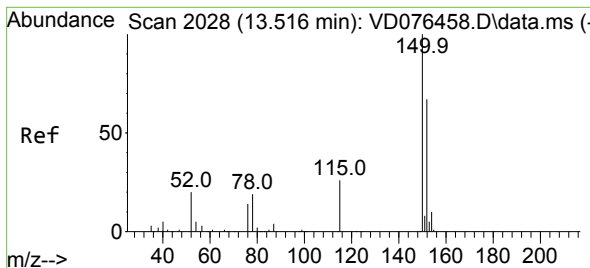
Tgt Ion:117 Resp: 10848
Ion Ratio Lower Upper
117 100
82 59.7 38.3 57.5#
119 32.0 25.0 37.4



#64
Tetrachloroethene
Concen: 32.557 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

Tgt Ion:164 Resp: 2120
Ion Ratio Lower Upper
164 100
166 119.1 99.2 148.8
129 73.8 68.4 102.6
131 43.4 63.8 95.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD076565.D

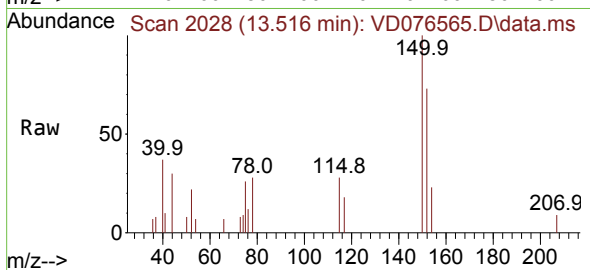
Acq: 23 Jun 2023 18:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-29-GRAB-5



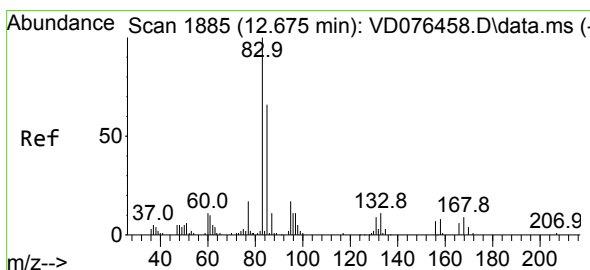
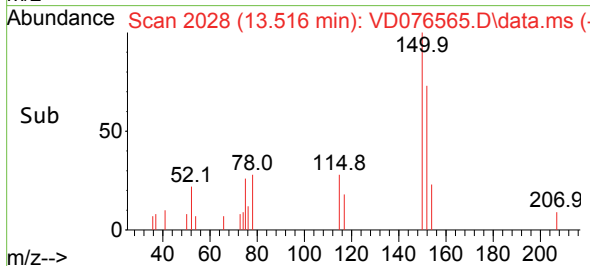
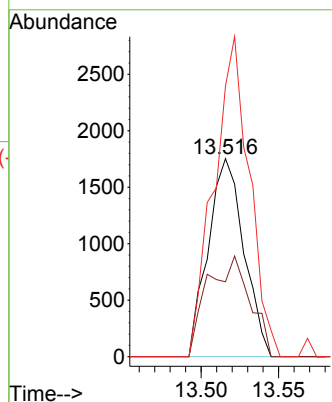
Tgt Ion:152 Resp: 2812

Ion Ratio Lower Upper

152 100

115 60.1 27.1 81.3

150 159.8 0.0 353.6



#75

1,1,2,2-Tetrachloroethane

Concen: 1.766 ug/l

RT: 12.945 min Scan# 1931

Delta R.T. 0.270 min

Lab File: VD076565.D

Acq: 23 Jun 2023 18:33

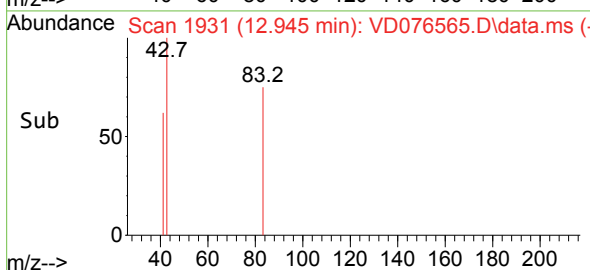
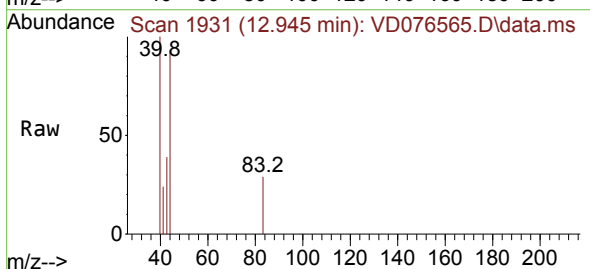
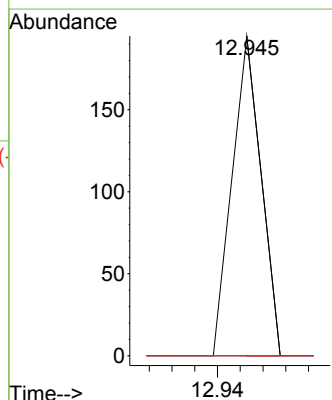
Tgt Ion: 83 Resp: 69

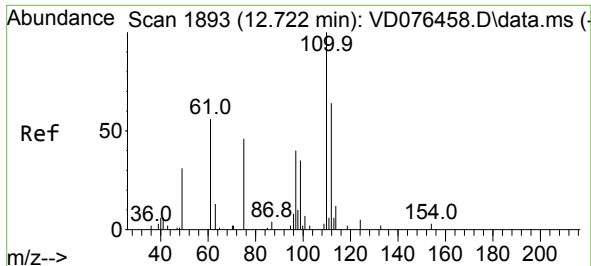
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 32.6 97.8#

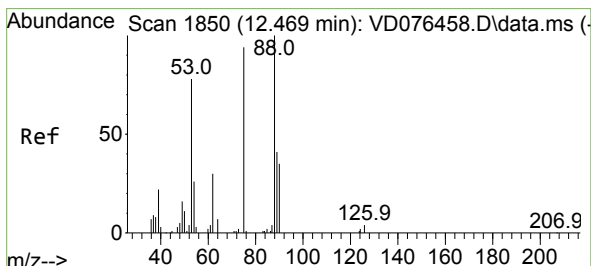
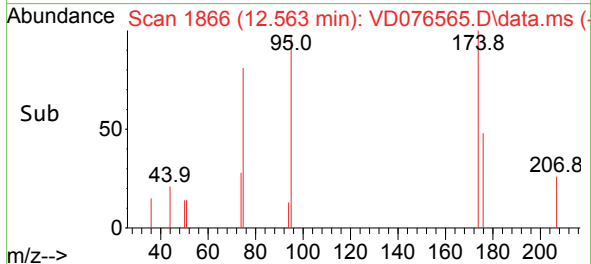
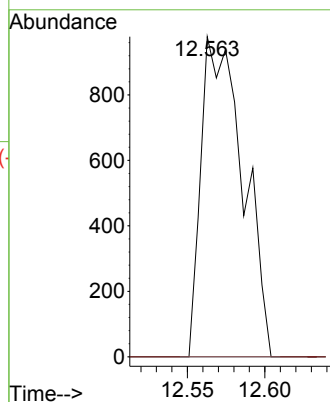
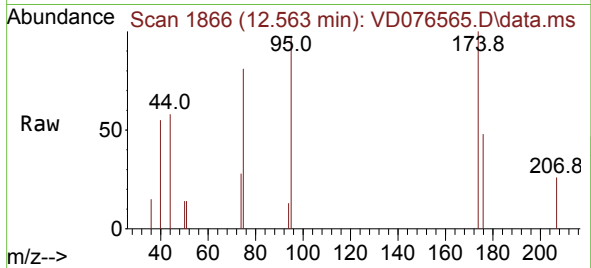




#76
1,2,3-Trichloropropane
Concen: 65.751 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.159 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

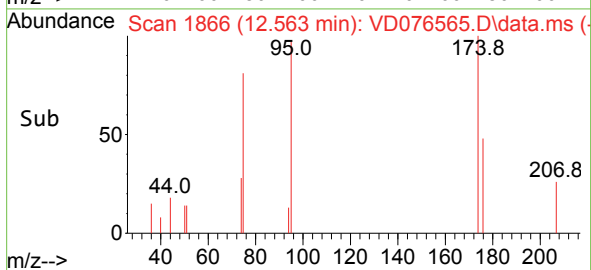
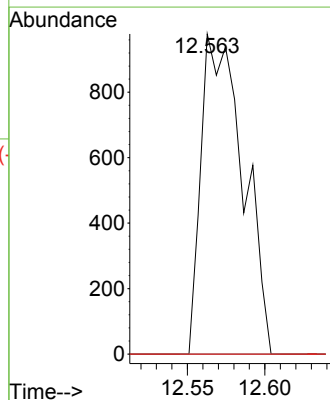
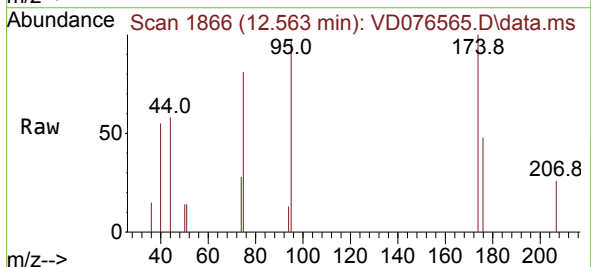
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-29-GRAB-5

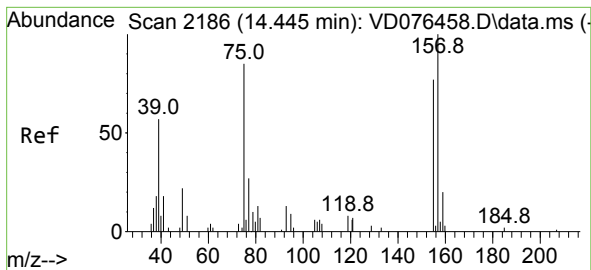
Tgt Ion: 75 Resp: 1835
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 144.075 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.094 min
Lab File: VD076565.D
Acq: 23 Jun 2023 18:33

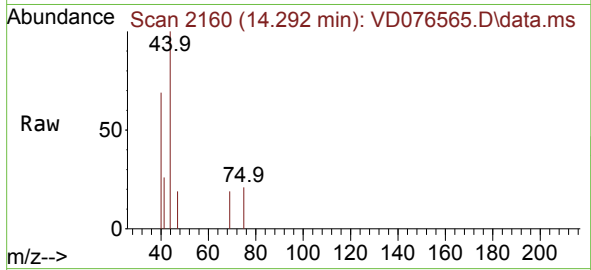
Tgt Ion: 75 Resp: 1835
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.373 ug/l
 RT: 14.292 min Scan# 21
 Delta R.T. -0.153 min
 Lab File: VD076565.D
 Acq: 23 Jun 2023 18:33

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



Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#

