

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076564.D
 Acq On : 23 Jun 2023 18:03
 Operator : KP/SY
 Sample : 03361-05
 Misc : 13.81G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-28-GRAB-5

Quant Time: Jun 24 00:57:44 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)

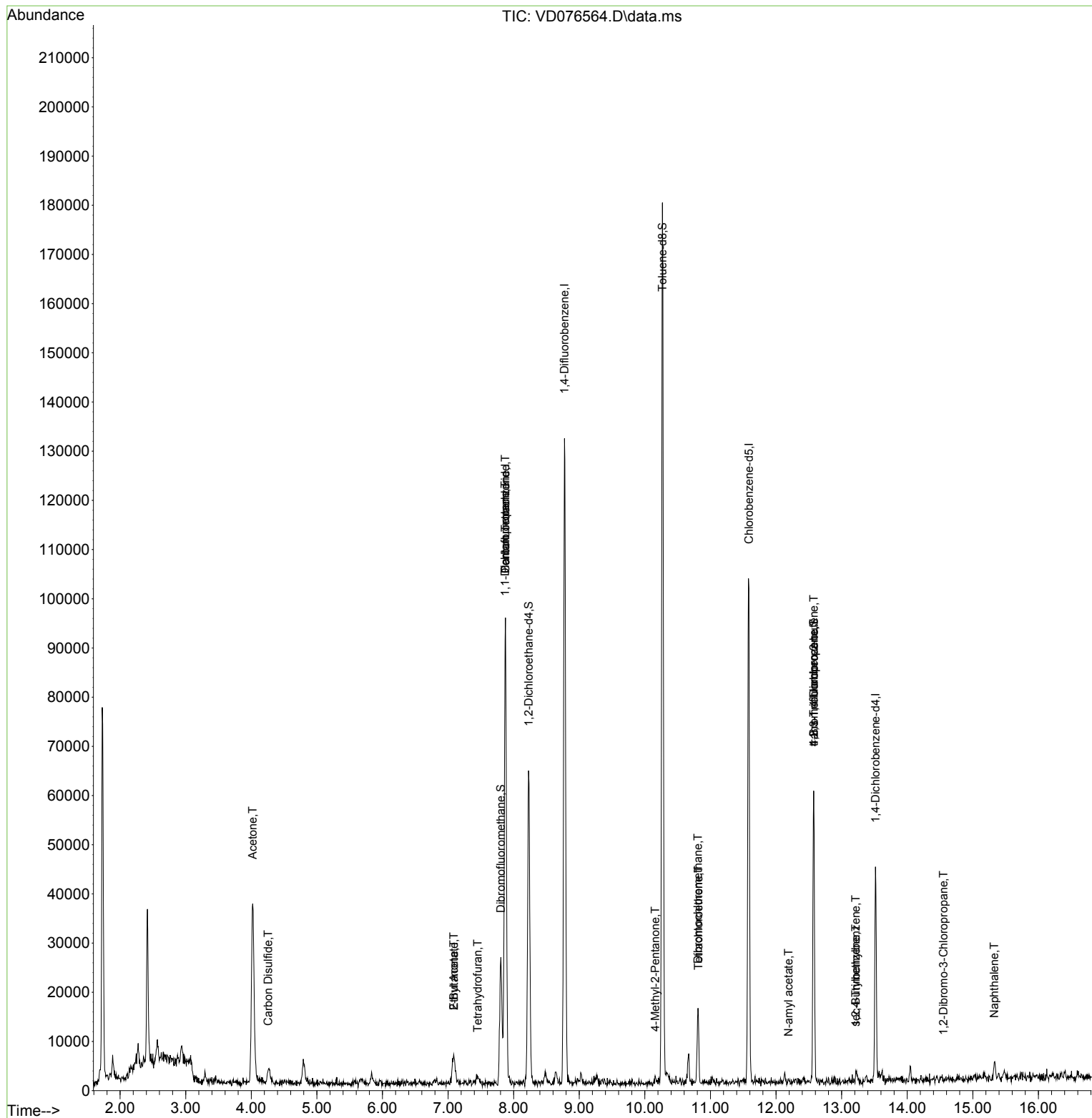
Internal Standards						
1) Pentafluorobenzene	7.875	168	72714	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	114408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	58560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48188	66.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.280%
35) Dibromofluoromethane	7.804	113	18505	27.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.460%
50) Toluene-d8	10.269	98	120942	46.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.840%
62) 4-Bromofluorobenzene	12.575	95	18063	21.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	43.180%
Target Compounds						
						Qvalue
16) Acetone	4.022	43	65310	376.725	ug/l	# 75
17) Carbon Disulfide	4.258	76	6255	3.441	ug/l	# 85
20) Methylene Chloride	4.793	84	1975	Below Cal	#	76
25) 2-Butanone	7.087	43	9505	35.448	ug/l	# 70
28) Bromochloromethane	7.487	49	59	Below Cal	#	1
29) Tetrahydrofuran	7.451	42	1376	7.985	ug/l	# 54
36) 1,1-Dichloropropene	7.869	75	5638	5.924	ug/l	# 44
37) Ethyl Acetate	7.087	43	9505	17.234	ug/l	# 62
38) Carbon Tetrachloride	7.875	117	6834	8.033	ug/l	# 11
51) 4-Methyl-2-Pentanone	10.157	43	639	1.197	ug/l	86
60) Dibromochloromethane	10.810	129	3217	4.688	ug/l	# 12
64) Tetrachloroethene	10.816	164	3269	9.300	ug/l	85
74) N-amyl acetate	12.192	43	295	1.376	ug/l	# 44
76) 1,2,3-Trichloropropane	12.575	75	9259	85.746	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	9259	187.890	ug/l	# 17
84) 1,2,4-Trimethylbenzene	13.216	105	1123	1.863	ug/l	# 28
85) sec-Butylbenzene	13.216	105	1123	1.424	ug/l	# 54
92) 1,2-Dibromo-3-Chloropr...	14.551	75	56	2.461	ug/l	# 1
95) Naphthalene	15.328	128	3035	7.342	ug/l	# 74

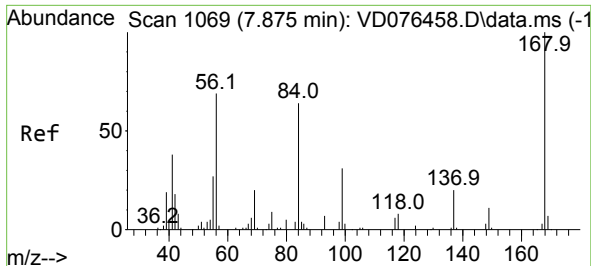
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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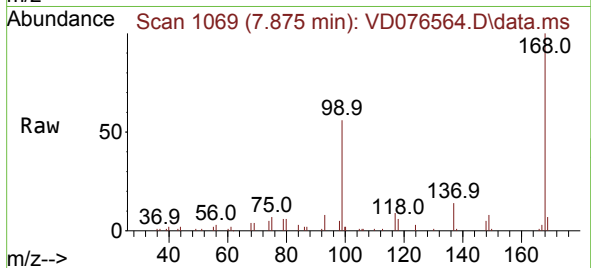
Quant Time: Jun 24 00:57:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
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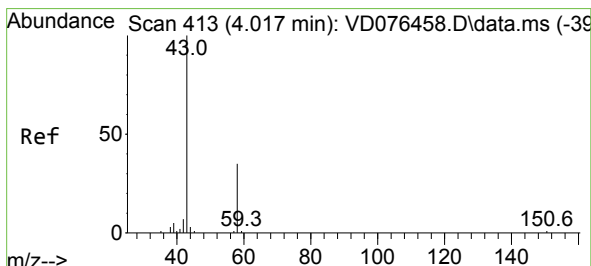
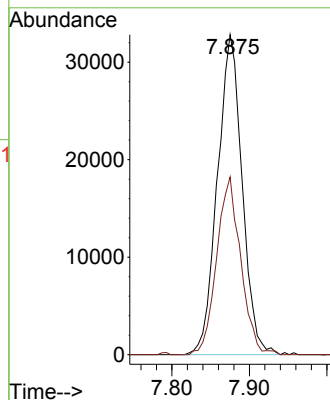
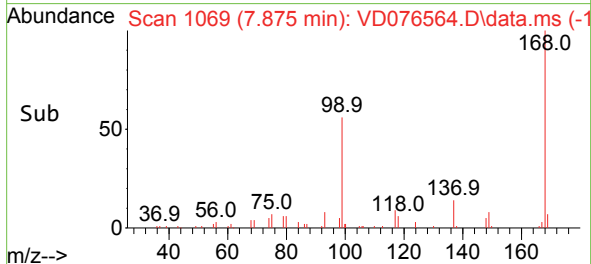


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

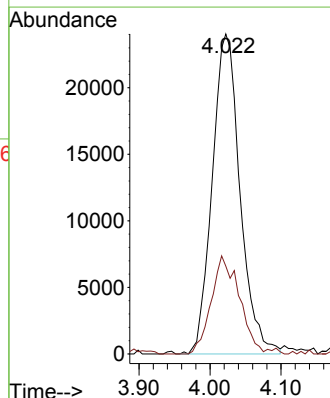
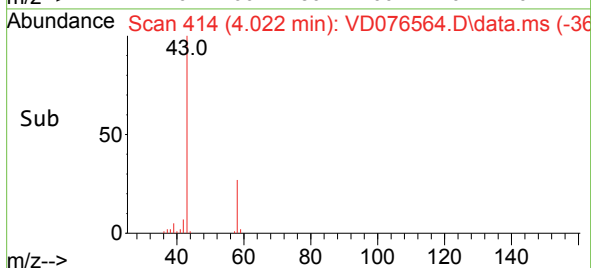
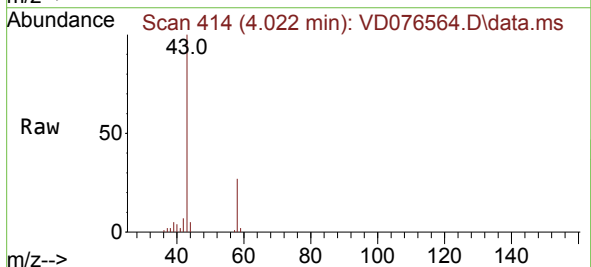


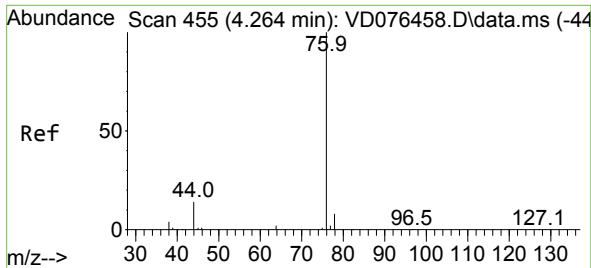
Tgt Ion:168 Resp: 72714
Ion Ratio Lower Upper
168 100
99 55.6 36.7 55.1#



#16
Acetone
Concen: 376.725 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 43 Resp: 65310
Ion Ratio Lower Upper
43 100
58 27.4 34.7 52.1#

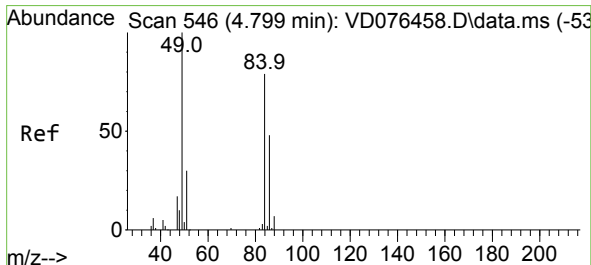
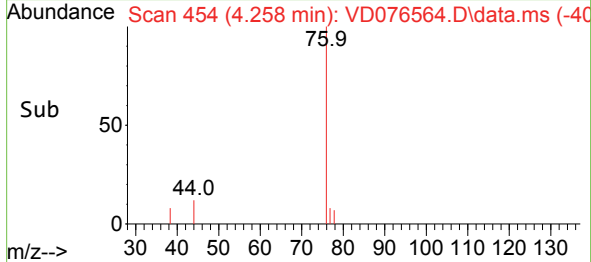
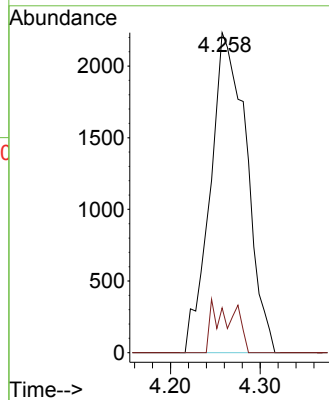
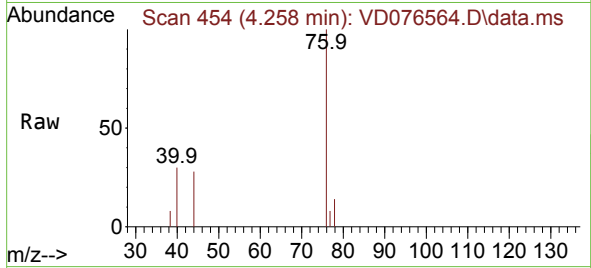




#17
Carbon Disulfide
Concen: 3.441 ug/l
RT: 4.258 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

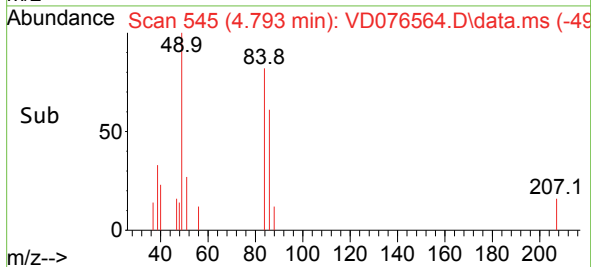
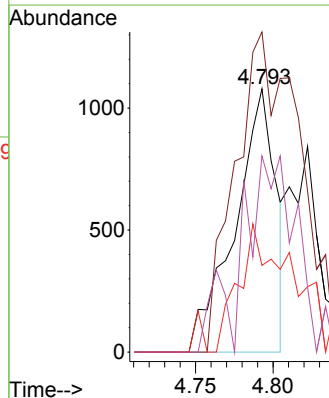
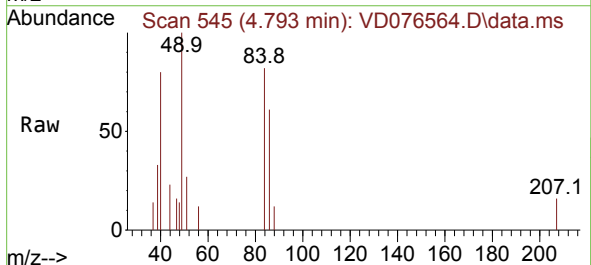
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

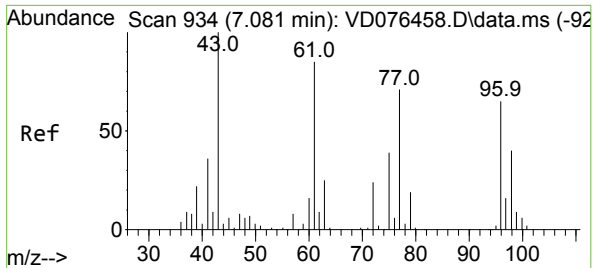
Tgt Ion: 76 Resp: 6255
Ion Ratio Lower Upper
76 100
78 14.0 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 84 Resp: 1975
Ion Ratio Lower Upper
84 100
49 121.6 71.4 107.2#
51 32.9 24.5 36.7
86 74.5 48.7 73.1#

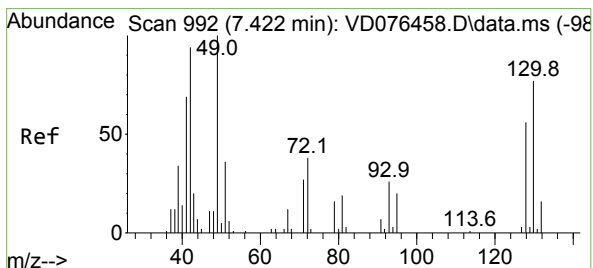
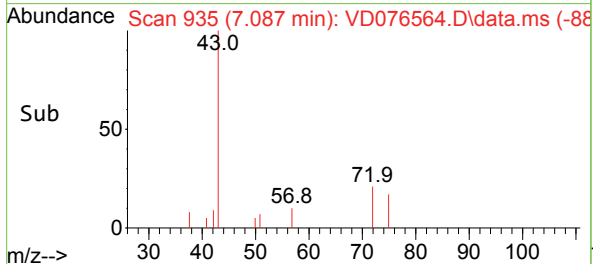
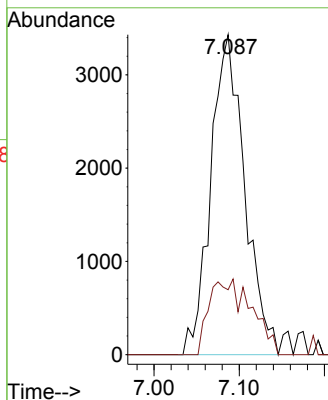
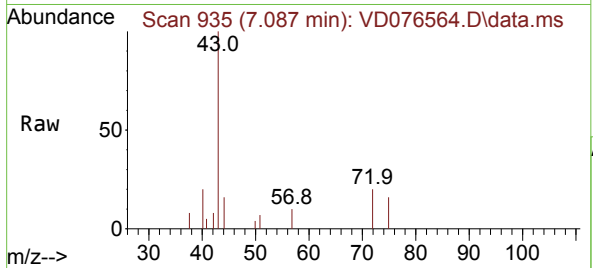




#25
2-Butanone
Concen: 35.448 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

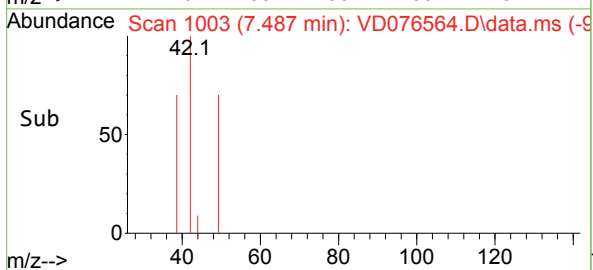
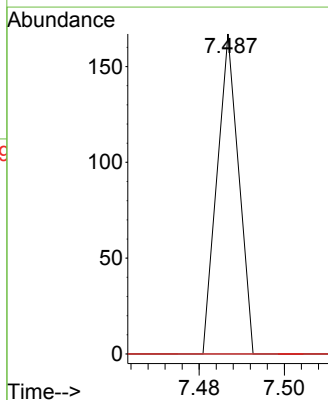
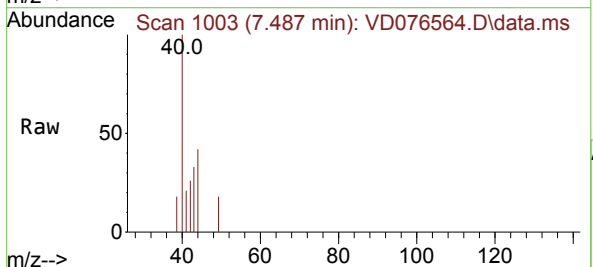
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

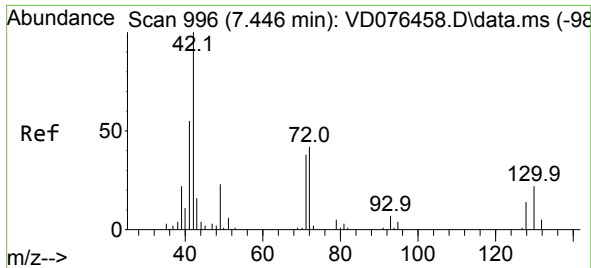
Tgt Ion: 43 Resp: 9505
Ion Ratio Lower Upper
43 100
72 20.3 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.487 min Scan# 1003
Delta R.T. 0.065 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

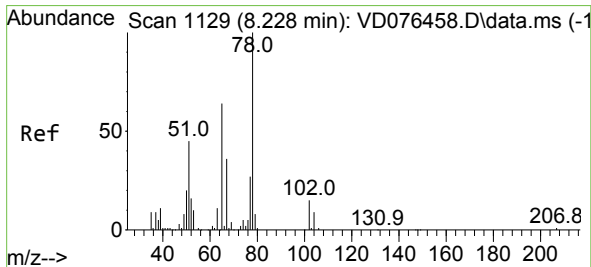
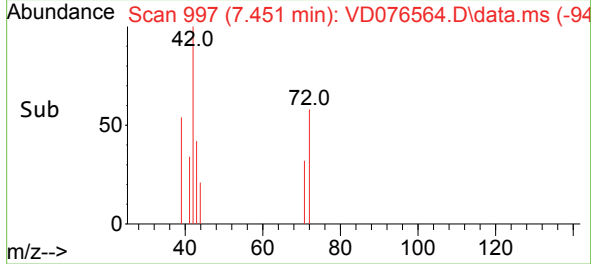
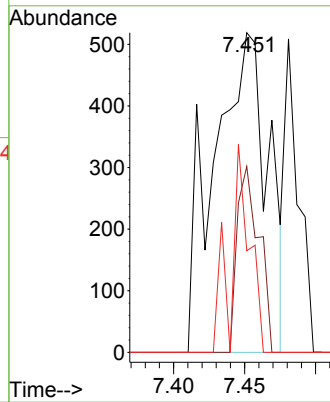
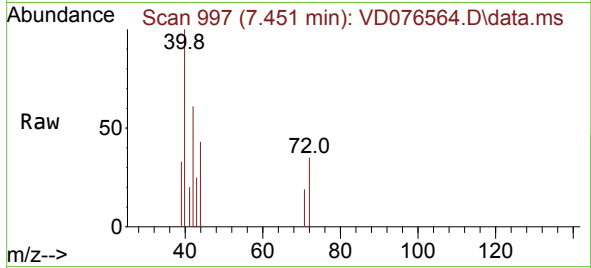




#29
Tetrahydrofuran
Concen: 7.985 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.005 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

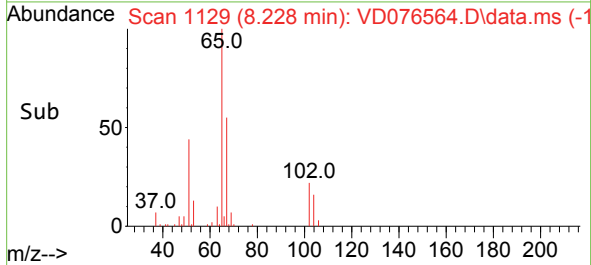
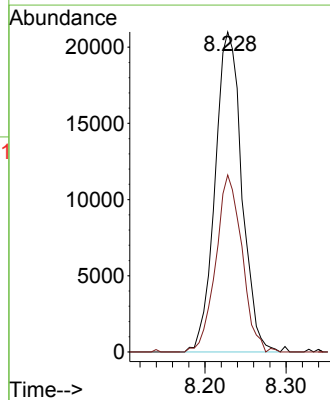
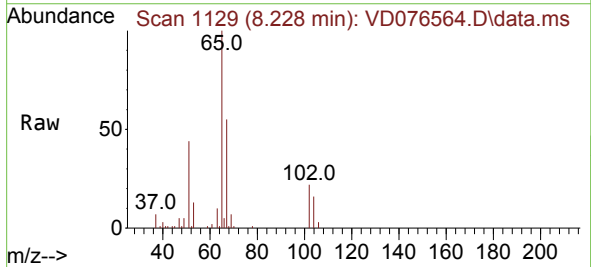
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

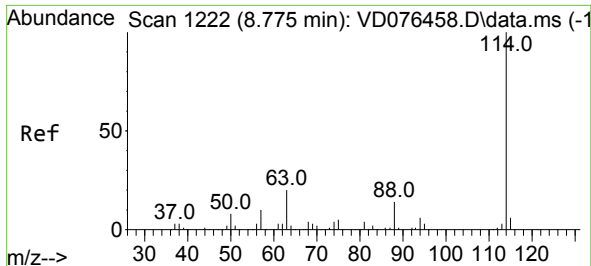
Tgt Ion: 42 Resp: 1376
Ion Ratio Lower Upper
42 100
72 23.5 46.5 69.7#
71 22.7 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 66.144 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 65 Resp: 48188
Ion Ratio Lower Upper
65 100
67 54.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 114408

Delta R.T. -0.000 min

Lab File: VD076564.D

Acq: 23 Jun 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-28-GRAB-5

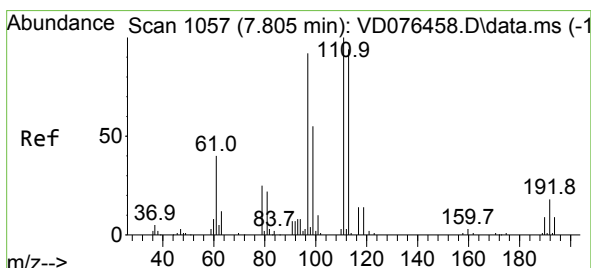
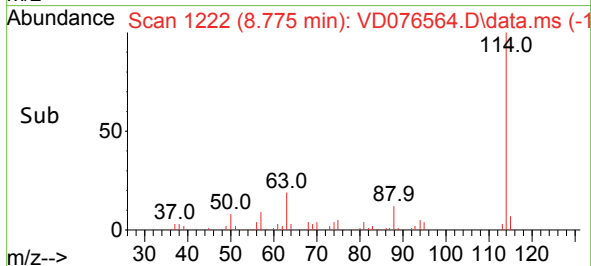
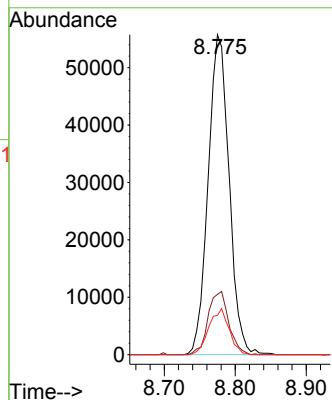
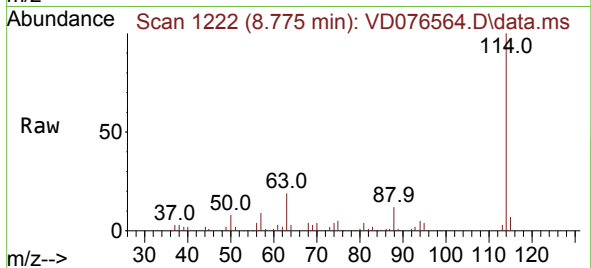
Tgt Ion:114 Resp: 114408

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 12.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 27.227 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076564.D

Acq: 23 Jun 2023 18:03

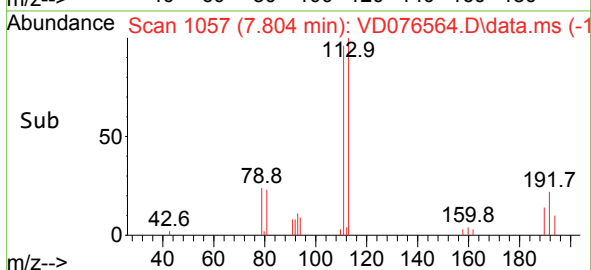
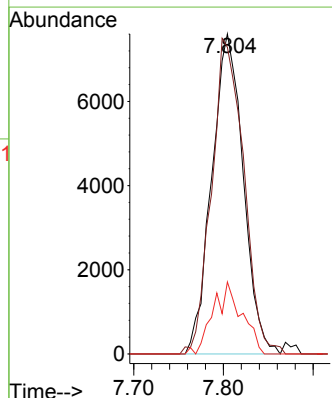
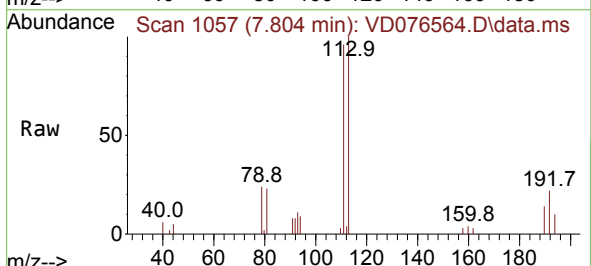
Tgt Ion:113 Resp: 18505

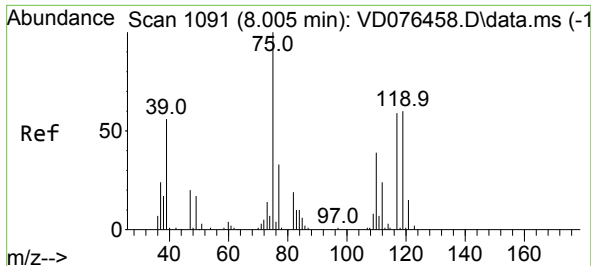
Ion Ratio Lower Upper

113 100

111 100.5 84.7 127.1

192 20.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.924 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD076564.D

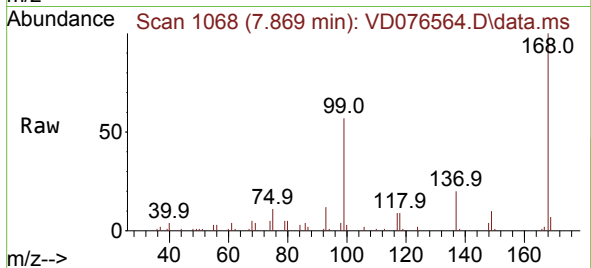
Acq: 23 Jun 2023 18:03

Instrument :

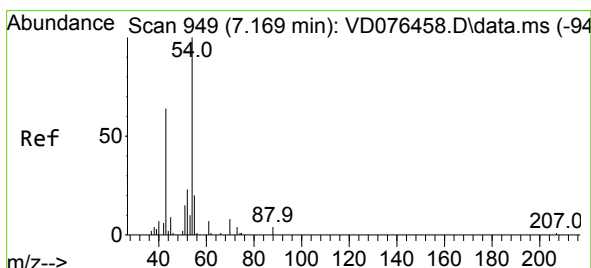
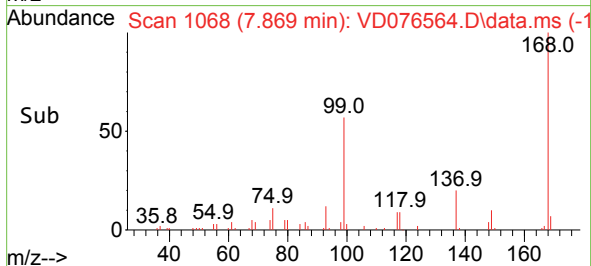
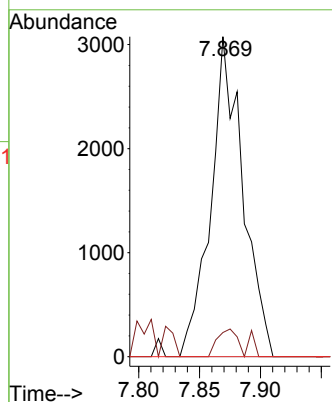
MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	5638
Ion	Ratio	Lower	Upper
75	100		
110	5.3	19.9	59.6#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 17.234 ug/l

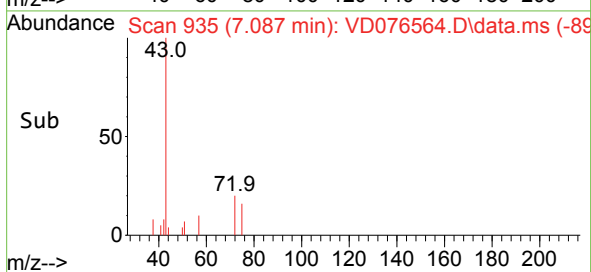
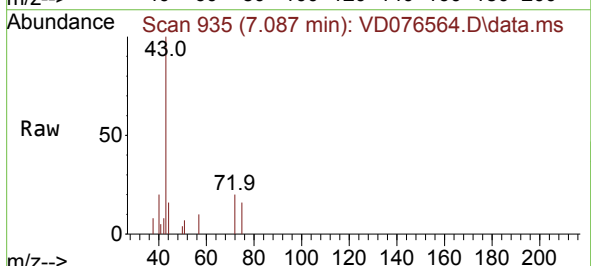
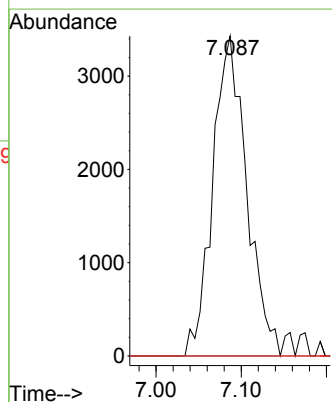
RT: 7.087 min Scan# 935

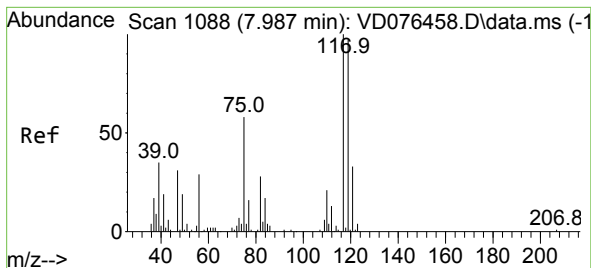
Delta R.T. -0.083 min

Lab File: VD076564.D

Acq: 23 Jun 2023 18:03

Tgt Ion:	43	Resp:	9505
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.9	22.3#
70	0.0	10.0	15.0#





#38

Carbon Tetrachloride

Concen: 8.033 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076564.D

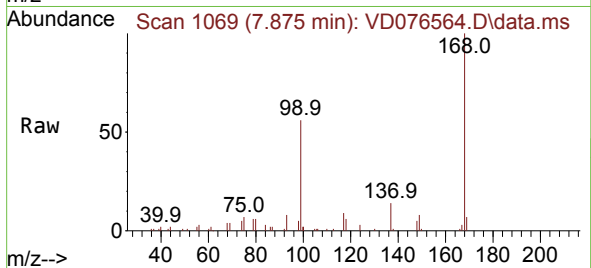
Acq: 23 Jun 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-28-GRAB-5



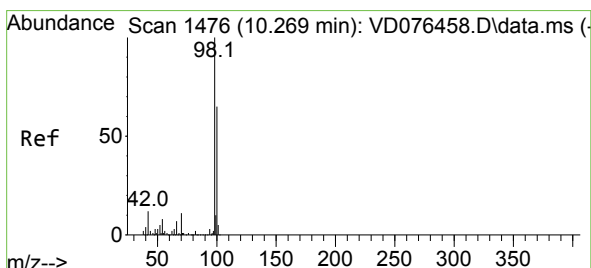
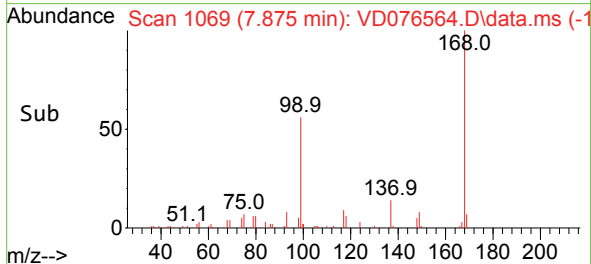
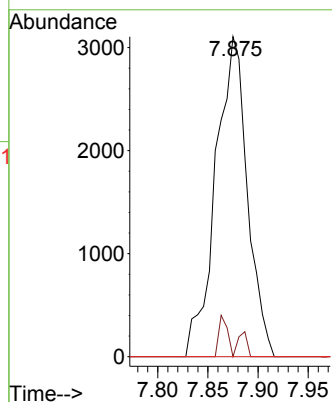
Tgt Ion:117 Resp: 6834

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.921 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076564.D

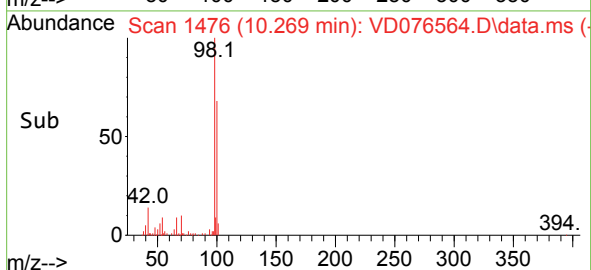
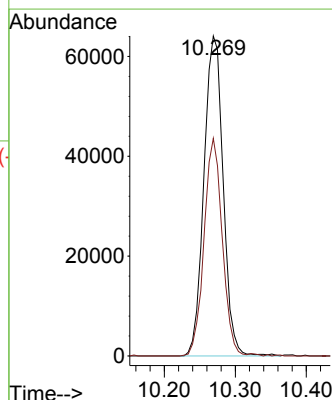
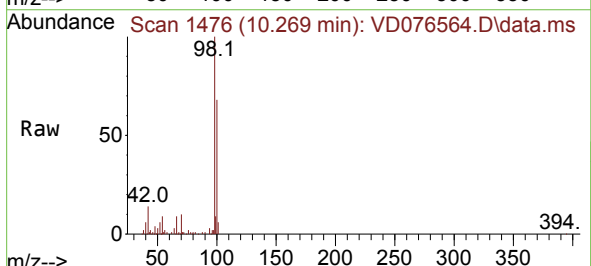
Acq: 23 Jun 2023 18:03

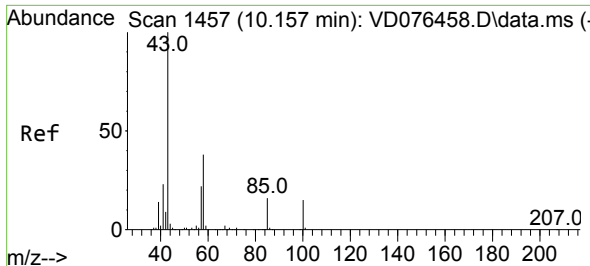
Tgt Ion: 98 Resp: 120942

Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5

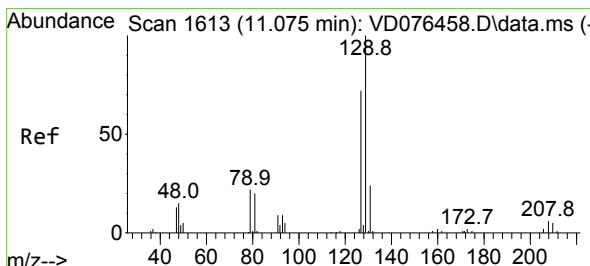
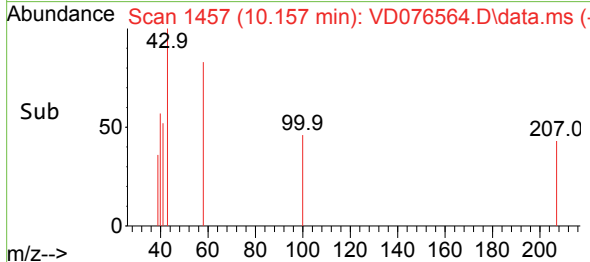
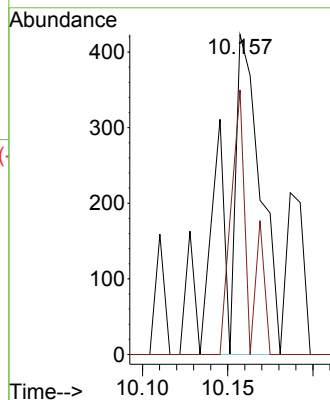
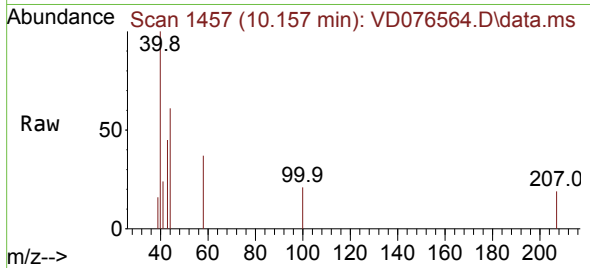




#51
4-Methyl-2-Pentanone
Concen: 1.197 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

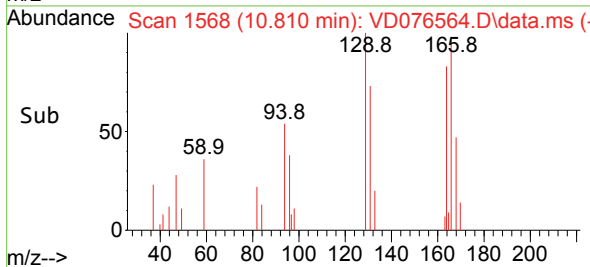
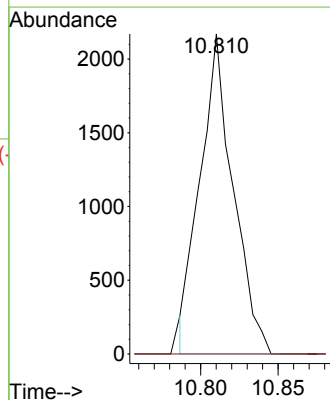
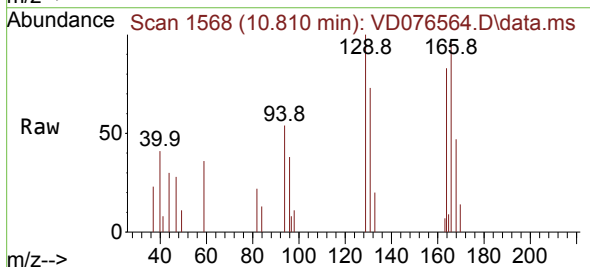
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-28-GRAB-5

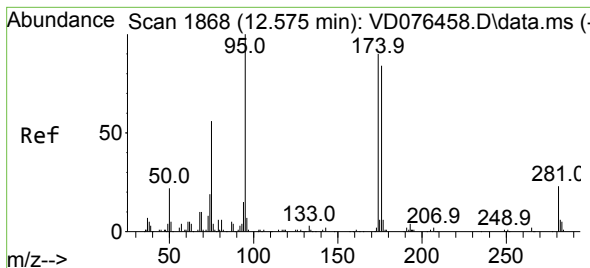
Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
58 39.0 38.9 58.3



#60
Dibromochloromethane
Concen: 4.688 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.265 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 129 Resp: 3217
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#

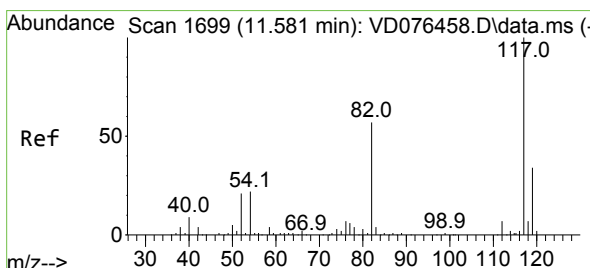
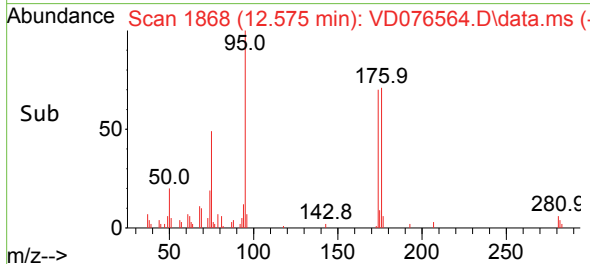
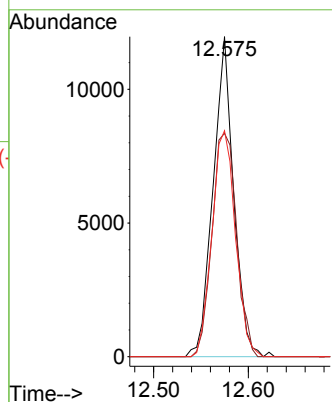
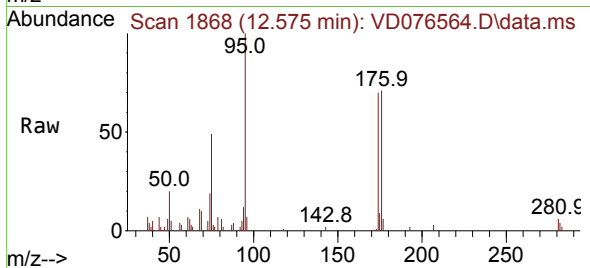




#62
4-Bromofluorobenzene
Concen: 21.593 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

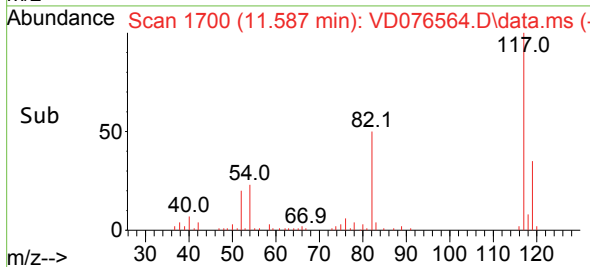
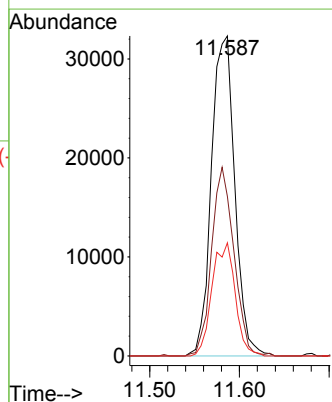
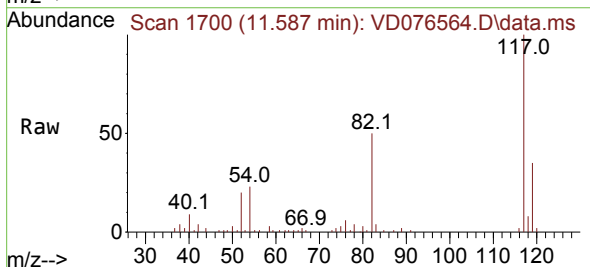
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

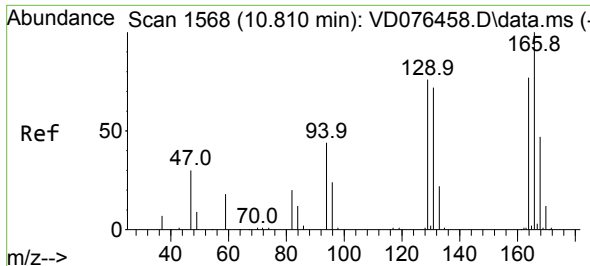
Tgt Ion: 95 Resp: 18063
Ion Ratio Lower Upper
95 100
174 83.3 0.0 201.8
176 80.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 117 Resp: 58560
Ion Ratio Lower Upper
117 100
82 49.9 38.3 57.5
119 35.3 25.0 37.4

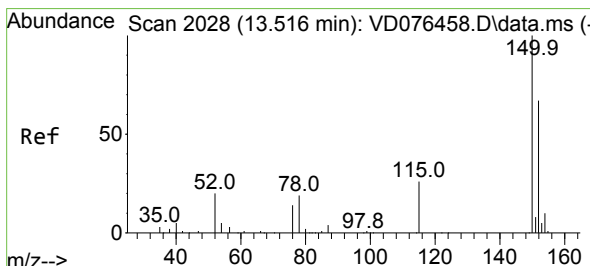
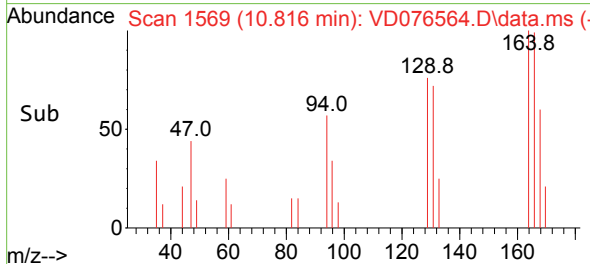
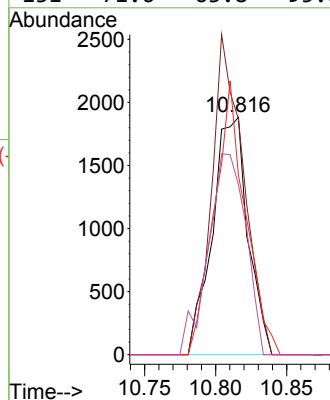
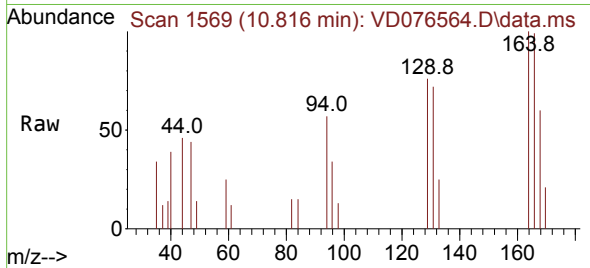




#64
Tetrachloroethene
Concen: 9.300 ug/l
RT: 10.816 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

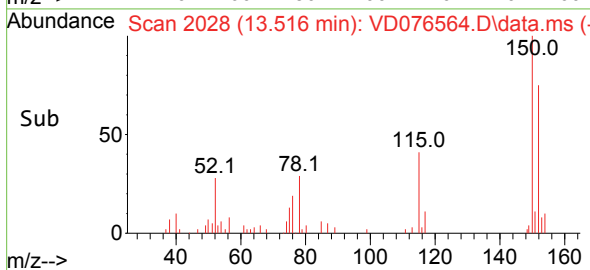
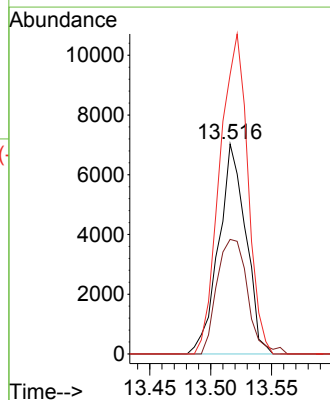
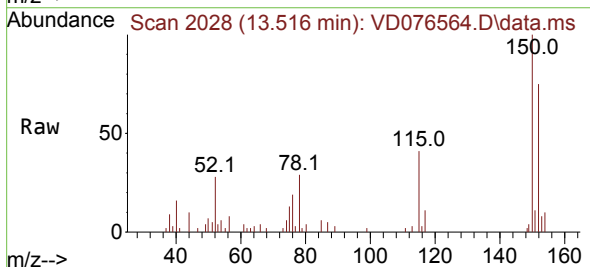
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

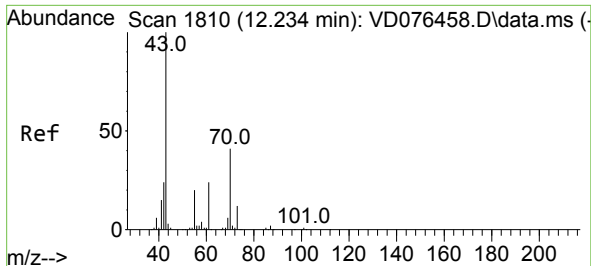
Tgt Ion:164	Resp:	3269
Ion	Ratio	Lower Upper
164	100	
166	99.3	99.2 148.8
129	75.6	68.4 102.6
131	71.6	63.8 95.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion:152	Resp:	10880
Ion	Ratio	Lower Upper
152	100	
115	61.7	27.1 81.3
150	157.6	0.0 353.6

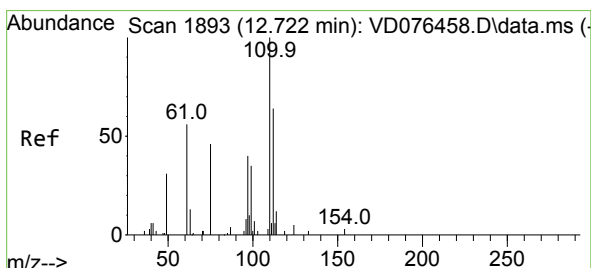
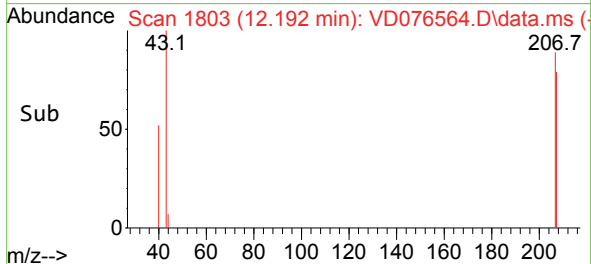
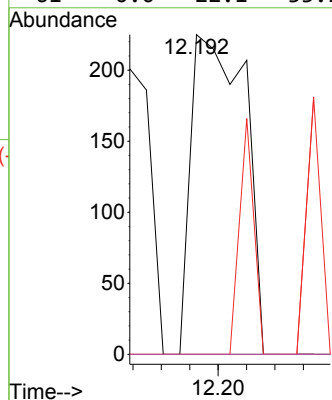
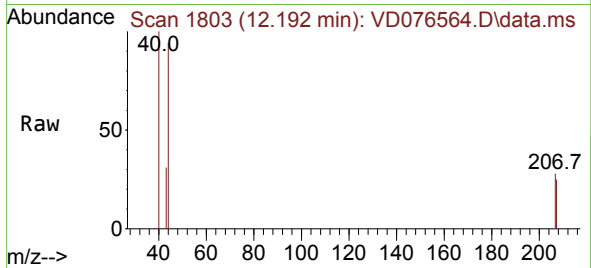




#74
N-ethyl acetate
Concen: 1.376 ug/l
RT: 12.192 min Scan# 1803
Delta R.T. -0.041 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

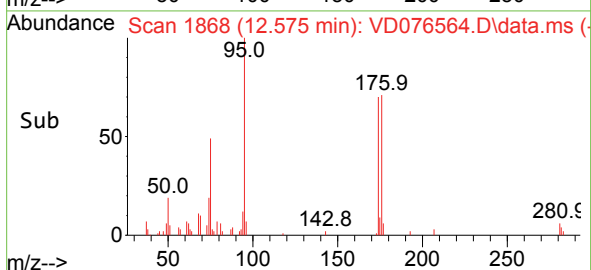
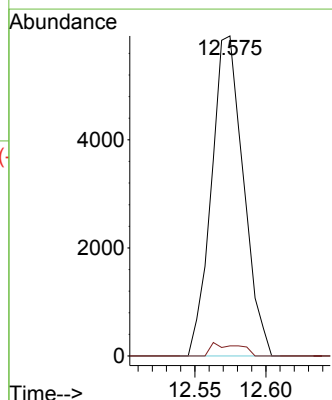
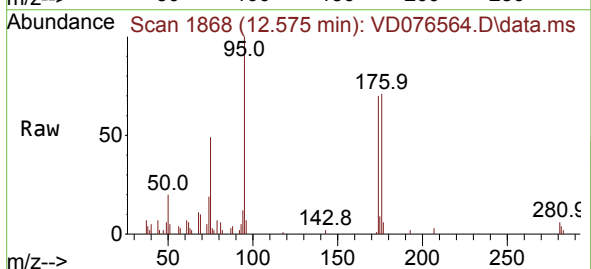
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

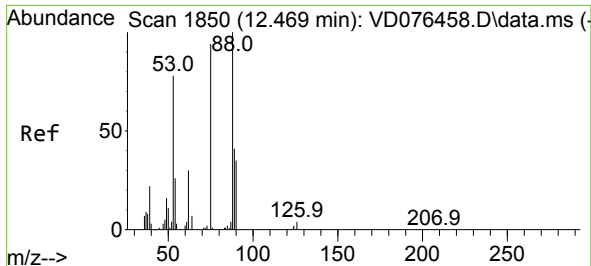
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
70 0.0 45.0 67.4#
55 20.0 23.8 35.6#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 85.746 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 75 Resp: 9259
Ion Ratio Lower Upper
75 100
77 3.6 0.0 0.0#

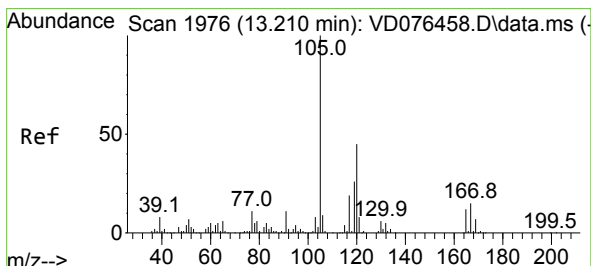
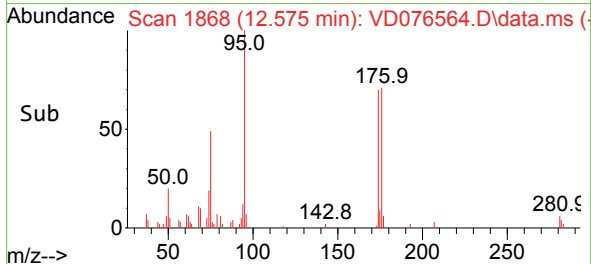
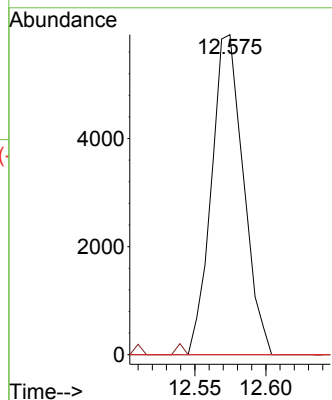
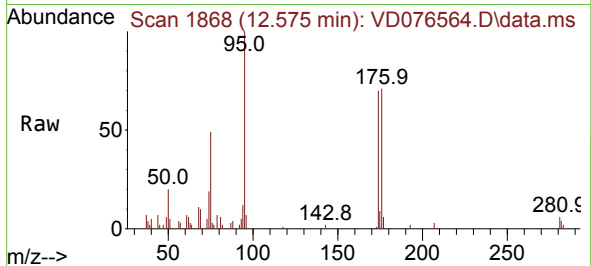




#81
trans-1,4-Dichloro-2-butene
Concen: 187.890 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

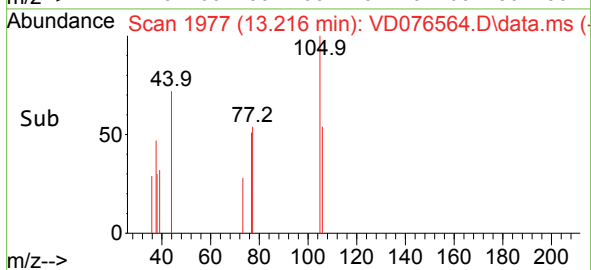
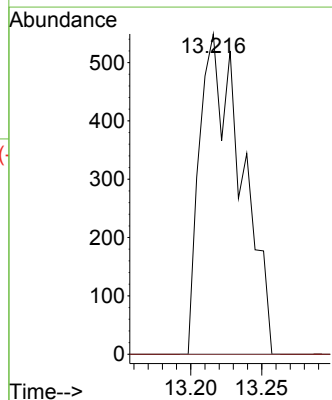
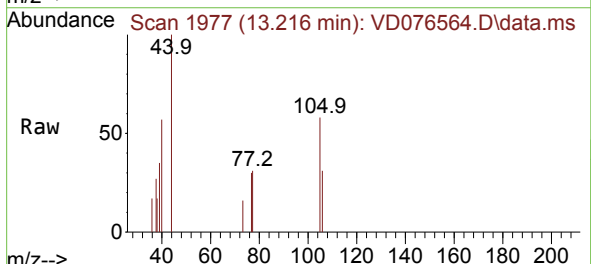
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5

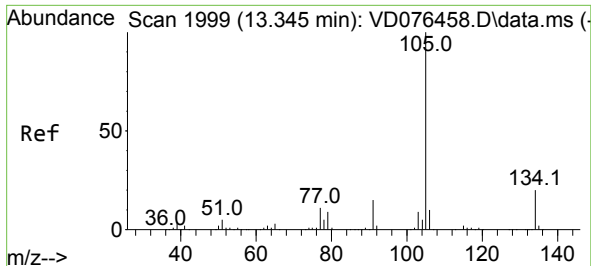
Tgt Ion: 75 Resp: 9259
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.863 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD076564.D
Acq: 23 Jun 2023 18:03

Tgt Ion: 105 Resp: 1123
Ion Ratio Lower Upper
105 100
120 0.0 24.3 72.9#

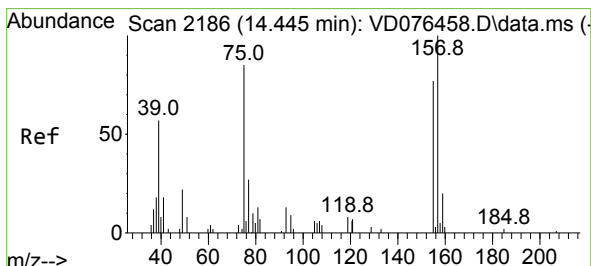
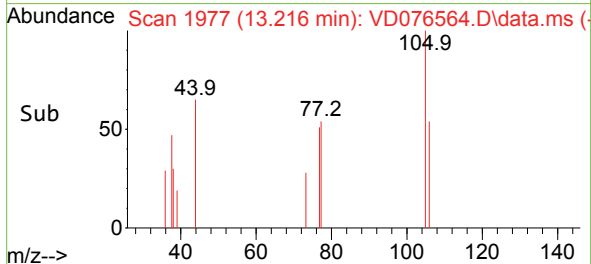
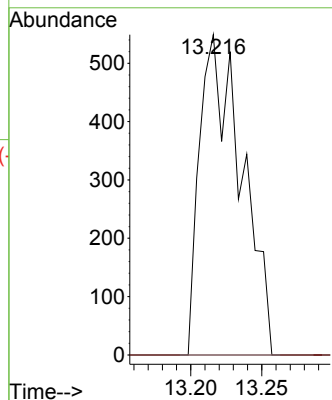
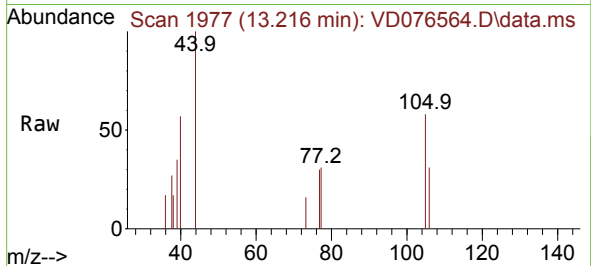




#85
 sec-Butylbenzene
 Concen: 1.424 ug/l
 RT: 13.216 min Scan# 1999
 Delta R.T. -0.130 min
 Lab File: VD076564.D
 Acq: 23 Jun 2023 18:03

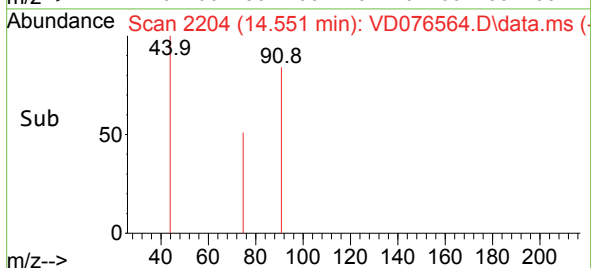
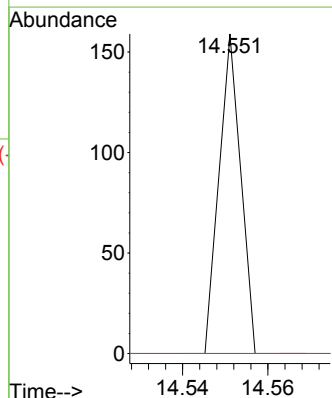
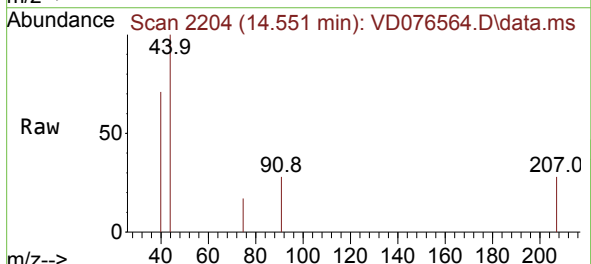
Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-28-GRAB-5

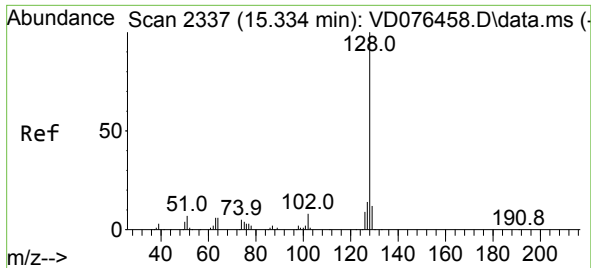
Tgt Ion:105 Resp: 1123
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.461 ug/l
 RT: 14.551 min Scan# 2204
 Delta R.T. 0.106 min
 Lab File: VD076564.D
 Acq: 23 Jun 2023 18:03

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: 7.342 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD076564.D

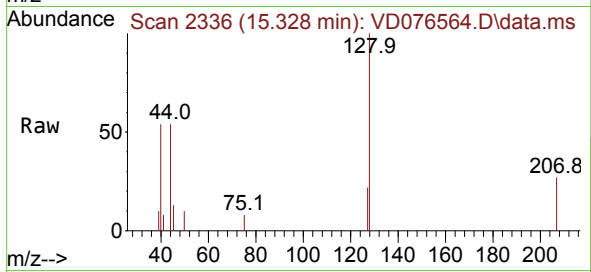
Acq: 23 Jun 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-28-GRAB-5



Tgt Ion:128 Resp: 3035

Ion Ratio Lower Upper

128 100

127 22.2 10.5 15.7#

129 0.0 8.7 13.1#

