

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062623\
 Data File : VD076585.D
 Acq On : 26 Jun 2023 17:27
 Operator : KP/SY
 Sample : 03361-24RE
 Misc : 13.82G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 27 04:29:01 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)

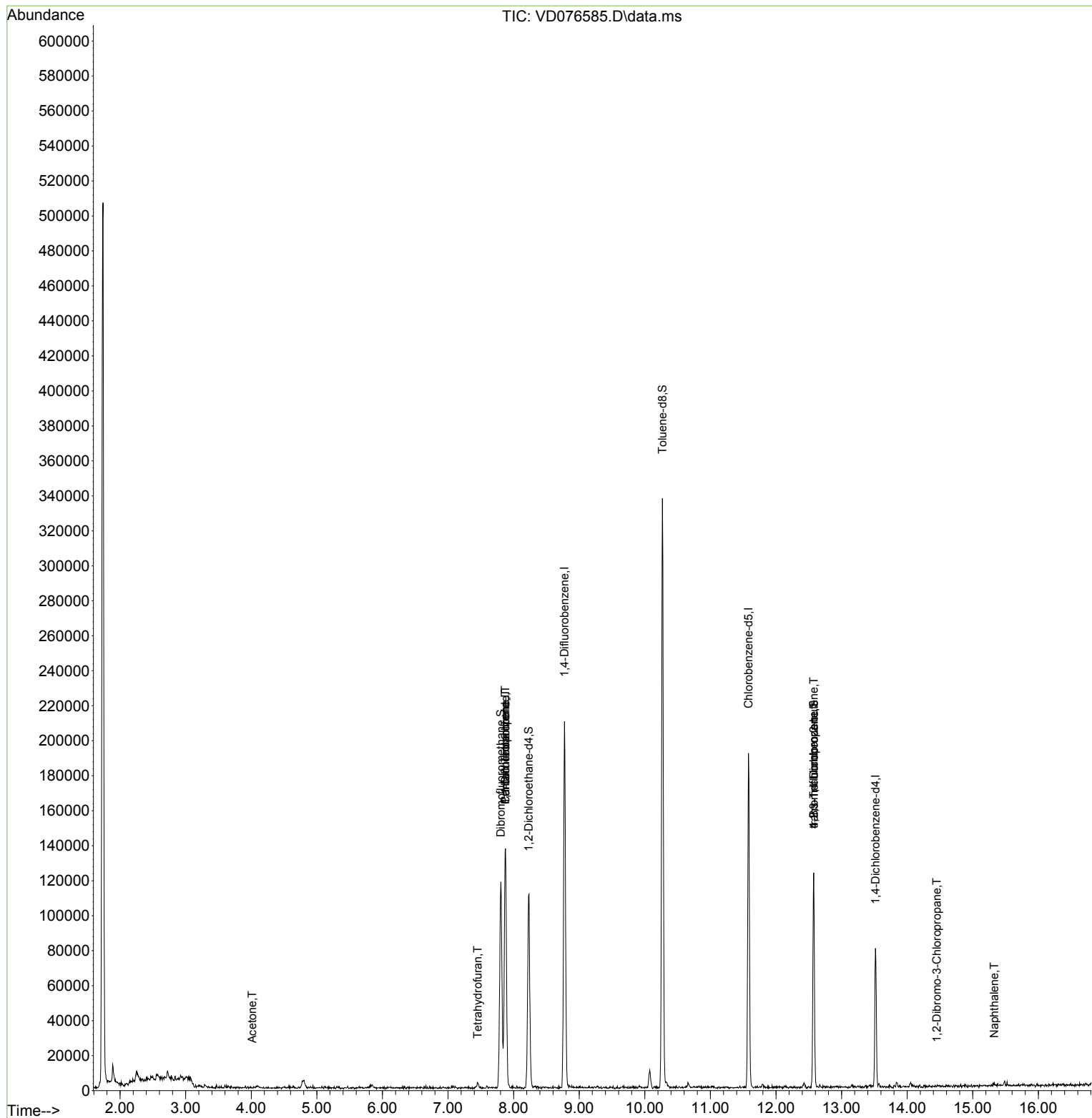
Internal Standards						
1) Pentafluorobenzene	7.875	168	108534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	178482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	105067	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	21121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81841	75.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.520%	
35) Dibromofluoromethane	7.805	113	83349	78.609	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 157.220%#	
50) Toluene-d8	10.269	98	228987	56.945	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.900%	
62) 4-Bromofluorobenzene	12.575	95	35645	27.313	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 54.620%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	385	1.488	ug/l #	32
20) Methylene Chloride	4.781	84	1314	Below Cal	#	77
28) Bromochloromethane	7.587	49	101	Below Cal	#	1
29) Tetrahydrofuran	7.452	42	2016	7.838	ug/l #	55
36) 1,1-Dichloropropene	7.875	75	9207	6.201	ug/l #	45
38) Carbon Tetrachloride	7.875	117	10034	7.561	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	19844	94.666	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	19844	207.435	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.451	75	58	1.313	ug/l #	1
95) Naphthalene	15.328	128	1132	1.411	ug/l #	75

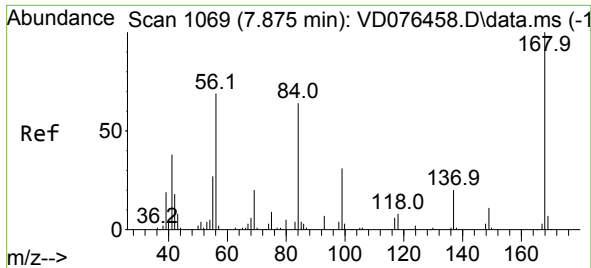
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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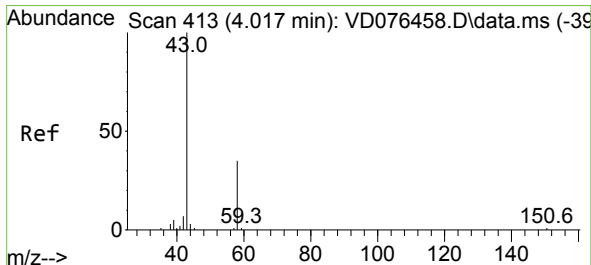
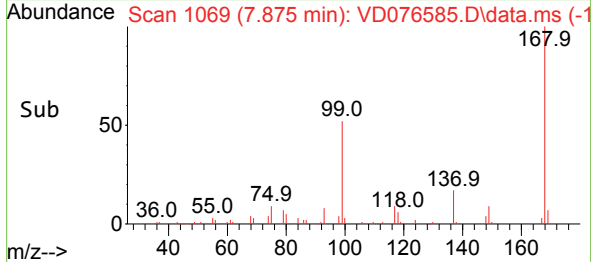
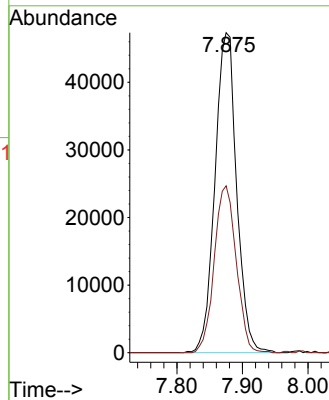
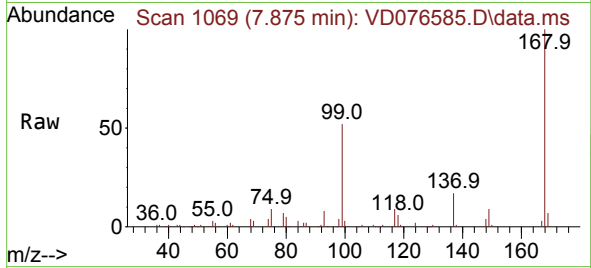




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

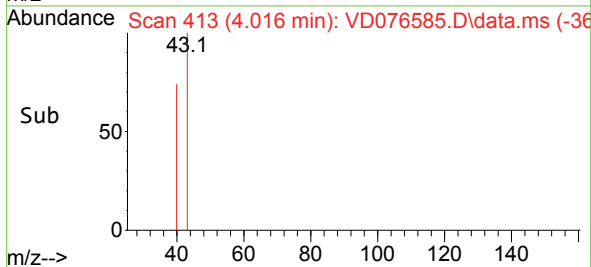
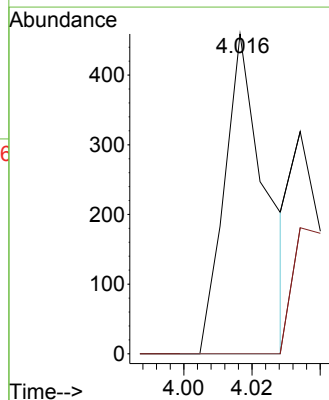
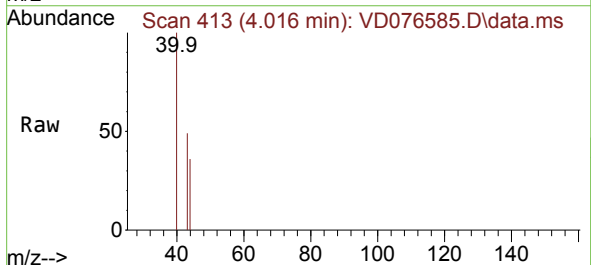
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-22-GRAB-5RE

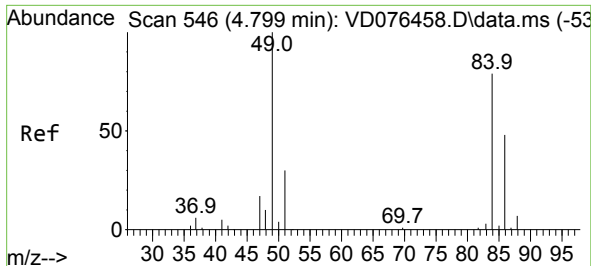
Tgt Ion:168 Resp: 108534
Ion Ratio Lower Upper
168 100
99 52.1 36.7 55.1



#16
Acetone
Concen: 1.488 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

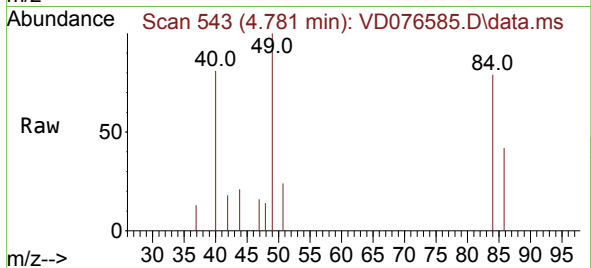
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



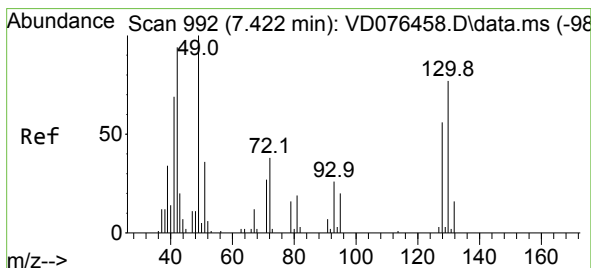
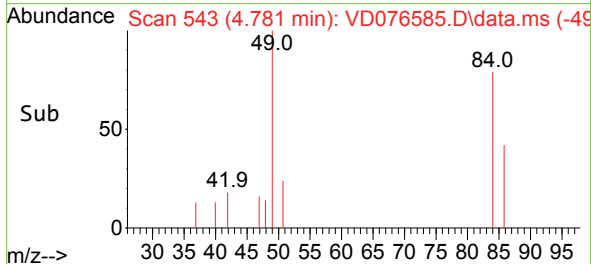
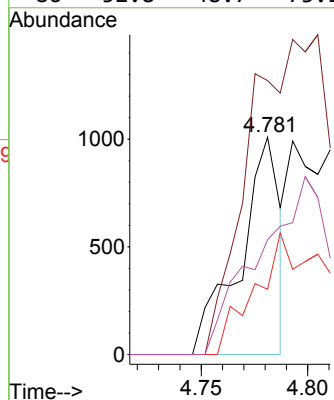


#20
Methylene Chloride
Concen: Below Cal
RT: 4.781 min Scan# 54
Delta R.T. -0.018 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

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

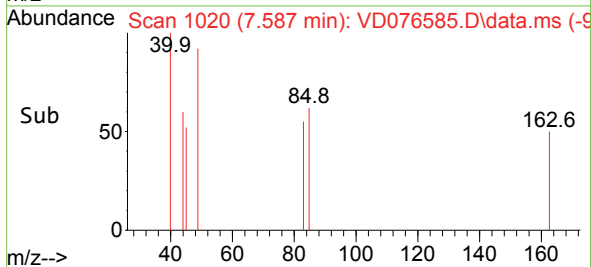
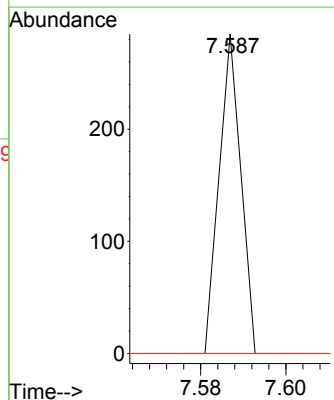
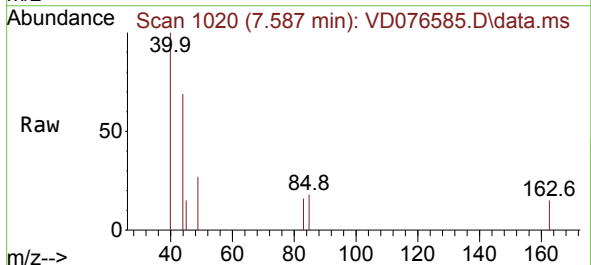


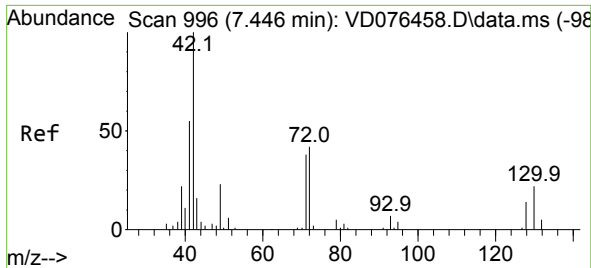
Tgt Ion: 84 Resp: 1314
Ion Ratio Lower Upper
84 100
49 126.1 71.4 107.2#
51 30.0 24.5 36.7
86 52.8 48.7 73.1



#28
Bromochloromethane
Concen: Below Cal
RT: 7.587 min Scan# 1020
Delta R.T. 0.165 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

Tgt Ion: 49 Resp: 101
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

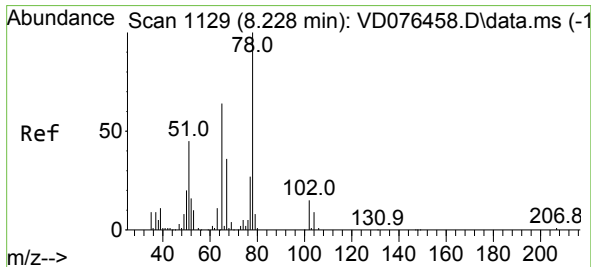
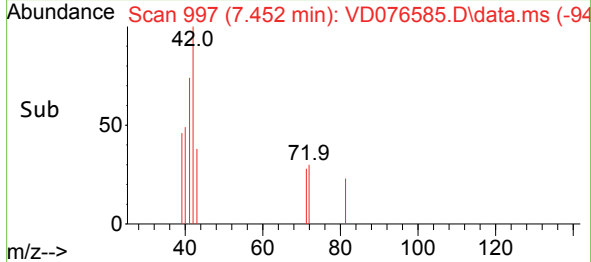
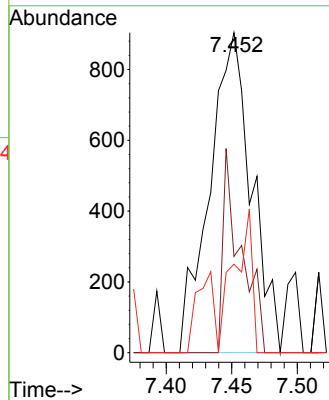
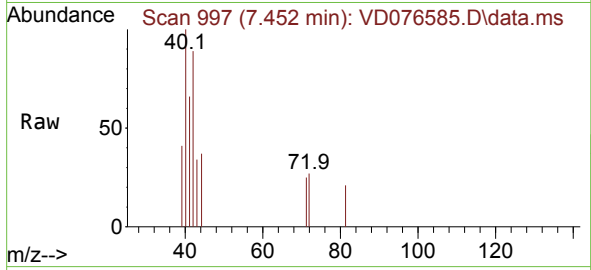




#29
Tetrahydrofuran
Concen: 7.838 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

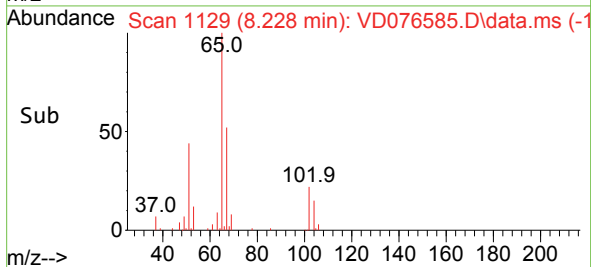
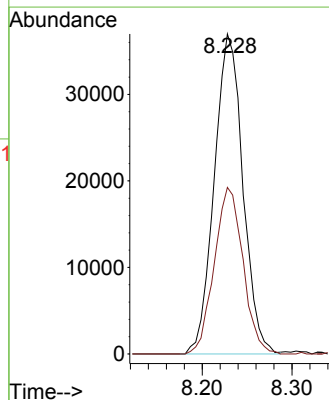
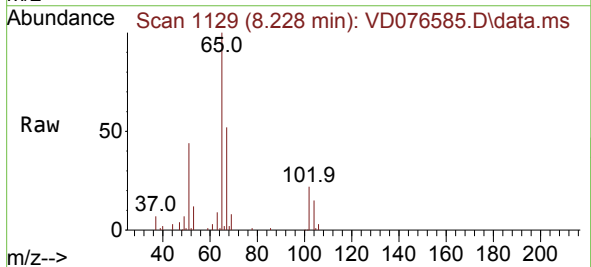
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-22-GRAB-5RE

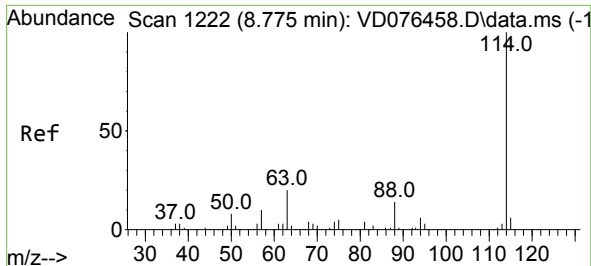
Tgt Ion: 42 Resp: 2016
Ion Ratio Lower Upper
42 100
72 27.3 46.5 69.7#
71 19.4 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 75.262 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

Tgt Ion: 65 Resp: 81841
Ion Ratio Lower Upper
65 100
67 52.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076585.D

Acq: 26 Jun 2023 17:27

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-22-GRAB-5RE

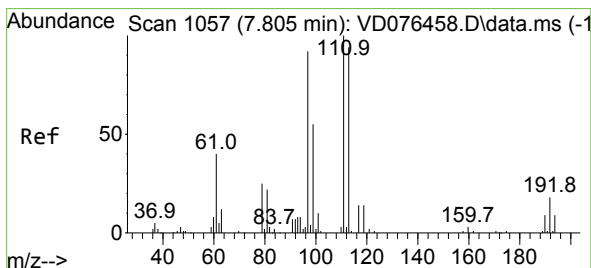
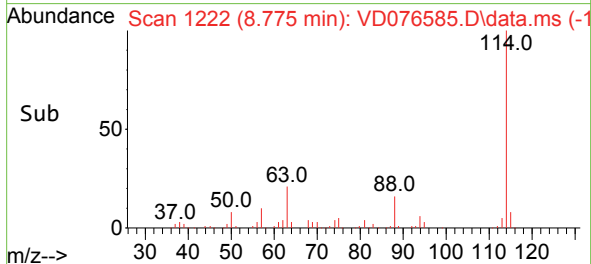
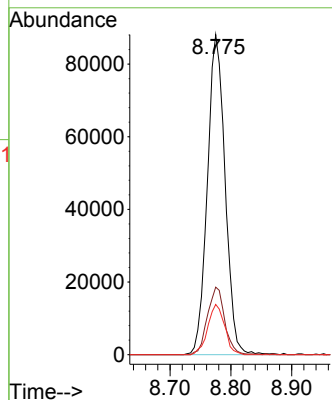
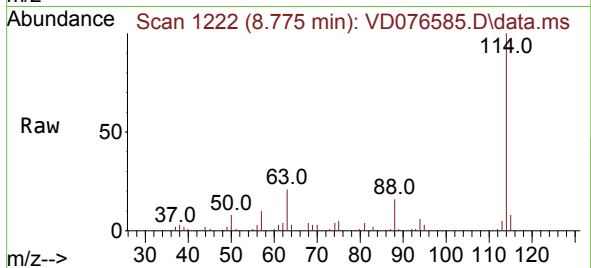
Tgt Ion:114 Resp: 178482

Ion Ratio Lower Upper

114 100

63 21.1 0.0 33.4

88 15.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 78.609 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076585.D

Acq: 26 Jun 2023 17:27

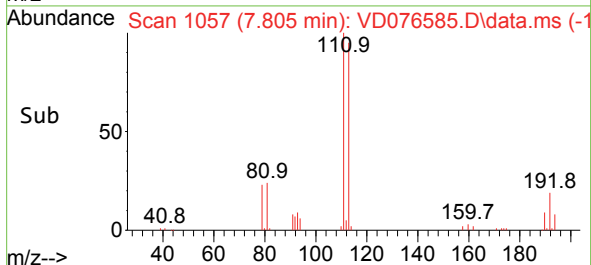
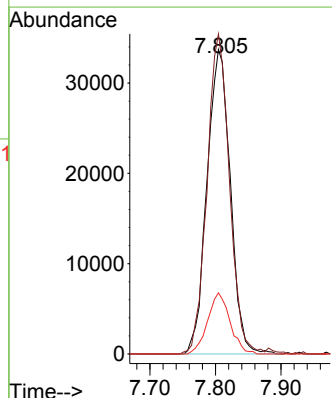
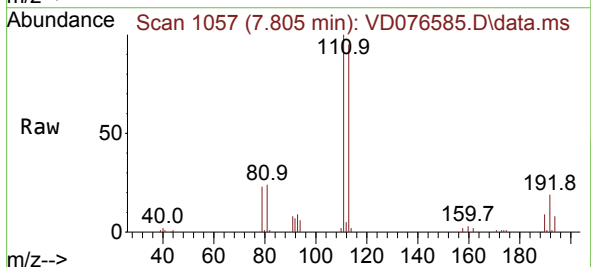
Tgt Ion:113 Resp: 83349

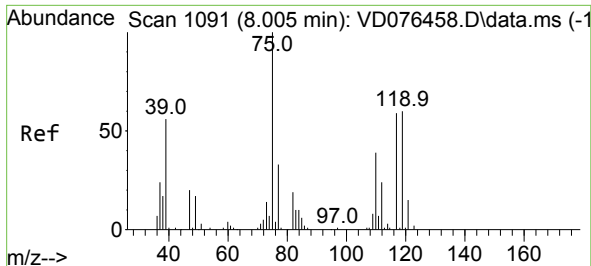
Ion Ratio Lower Upper

113 100

111 100.9 84.7 127.1

192 19.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 6.201 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD076585.D

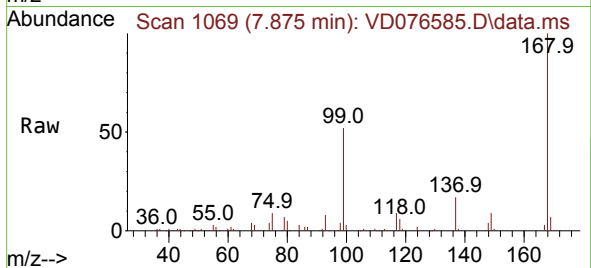
Acq: 26 Jun 2023 17:27

Instrument :

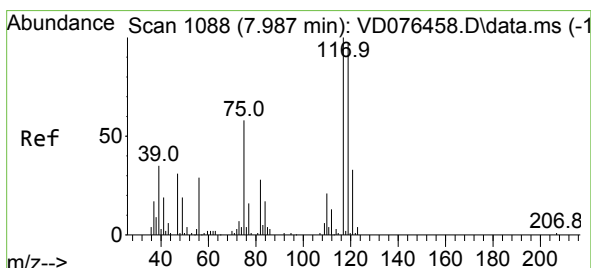
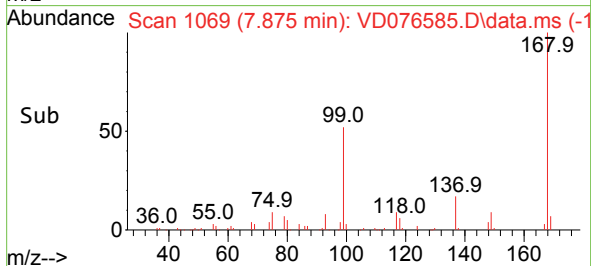
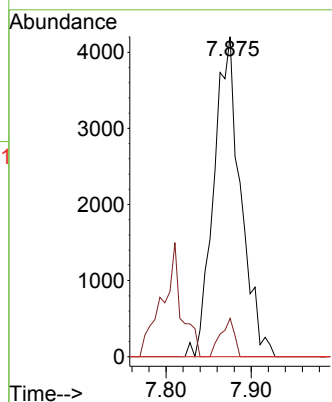
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-22-GRAB-5RE



Tgt Ion: 75	Resp: 9207
Ion Ratio	Lower Upper
75	100
110	6.1 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.561 ug/l

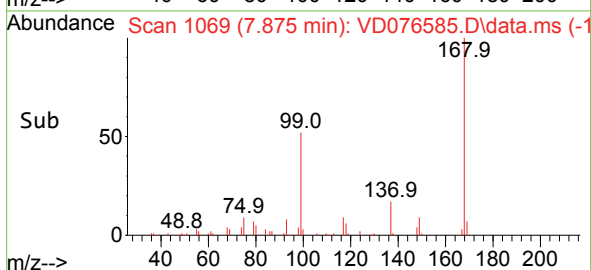
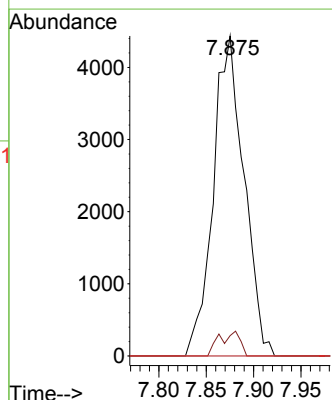
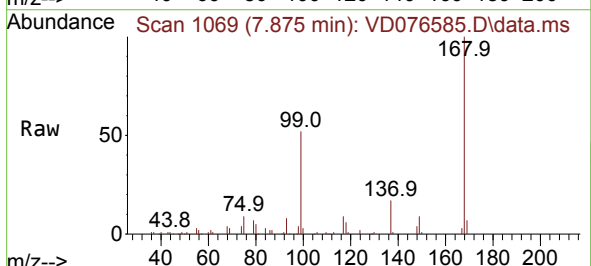
RT: 7.875 min Scan# 1069

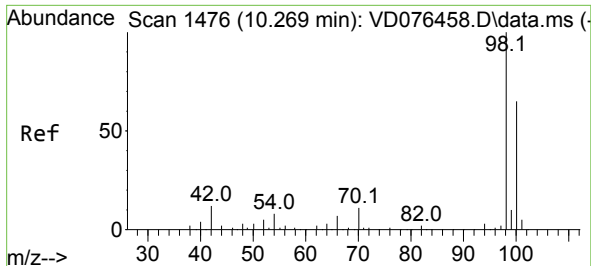
Delta R.T. -0.112 min

Lab File: VD076585.D

Acq: 26 Jun 2023 17:27

Tgt Ion: 117	Resp: 10034
Ion Ratio	Lower Upper
117	100
119	6.4 78.0 117.0#
121	0.0 24.2 36.2#

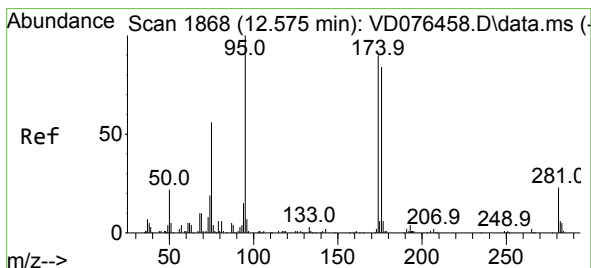
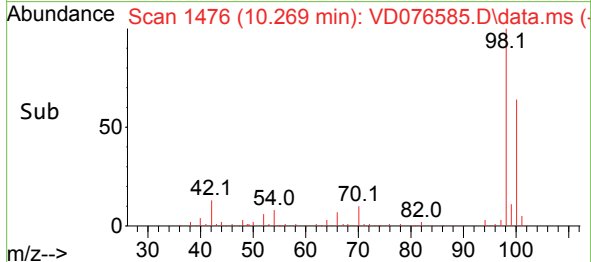
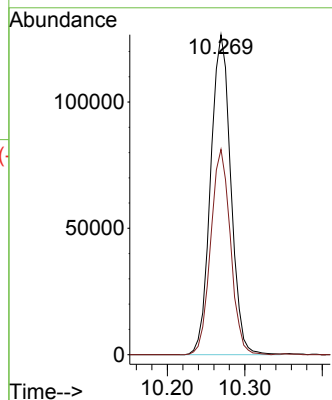
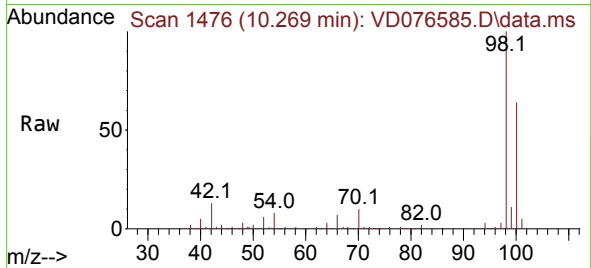




#50
Toluene-d8
Concen: 56.945 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

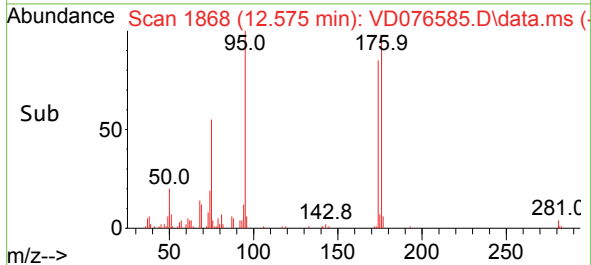
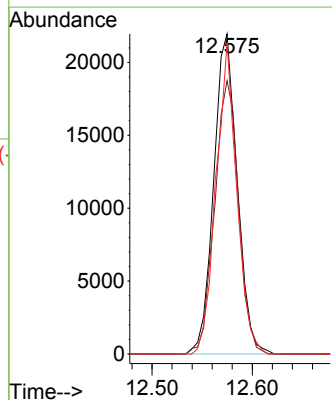
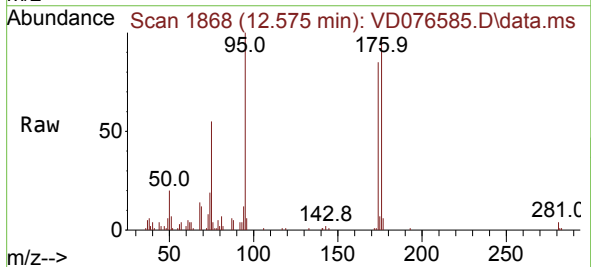
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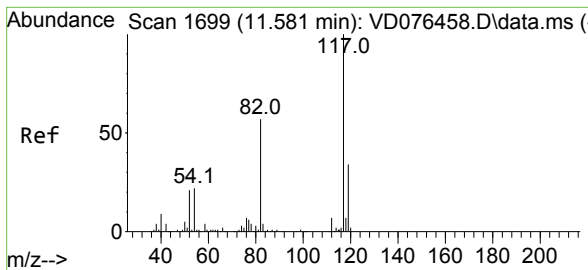
Tgt Ion: 98 Resp: 228987
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 27.313 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

Tgt Ion: 95 Resp: 35645
Ion Ratio Lower Upper
95 100
174 87.0 0.0 201.8
176 86.3 0.0 191.8

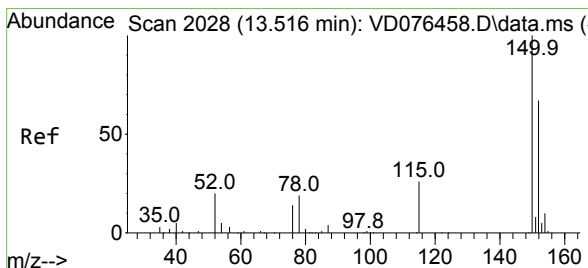
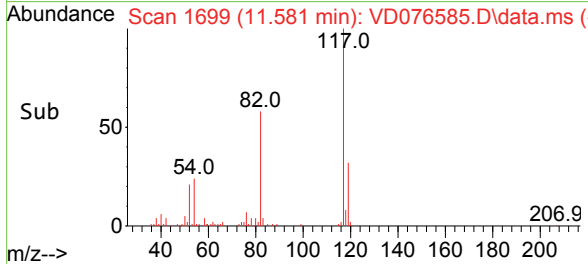
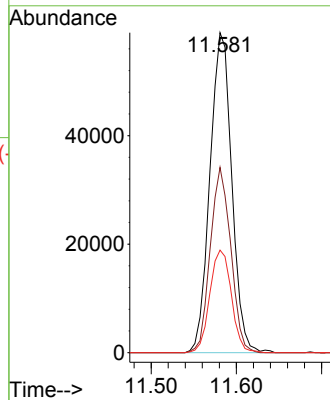
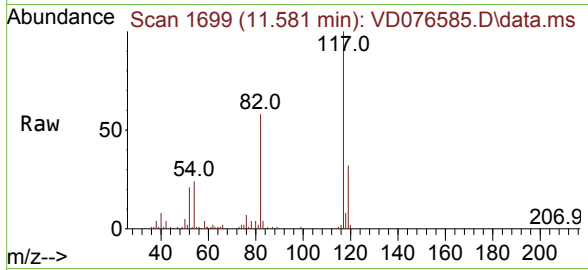




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

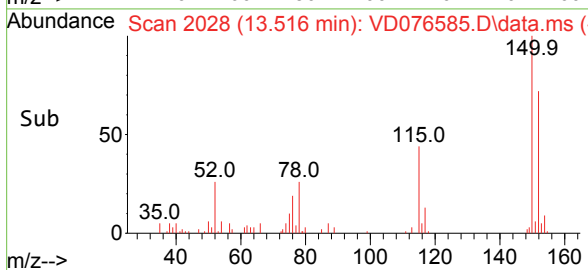
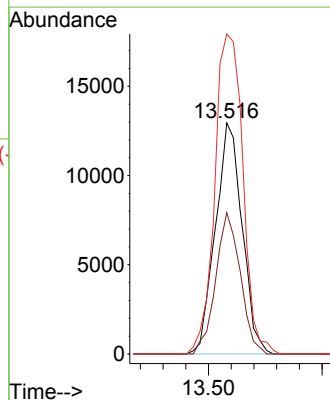
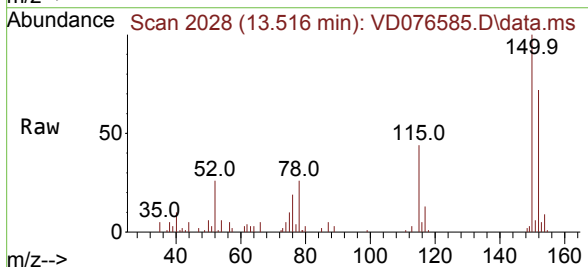
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TOTAL-VOC-SB-22-GRAB-5RE

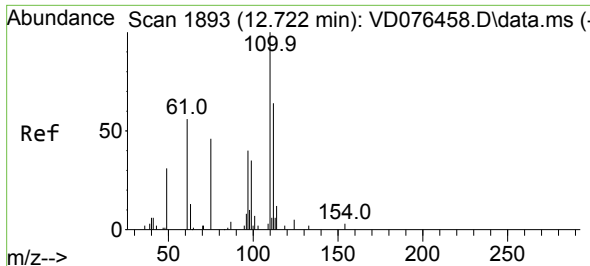
Tgt Ion:117 Resp: 105067
Ion Ratio Lower Upper
117 100
82 57.9 38.3 57.5#
119 32.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

Tgt Ion:152 Resp: 21121
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 146.0 0.0 353.6

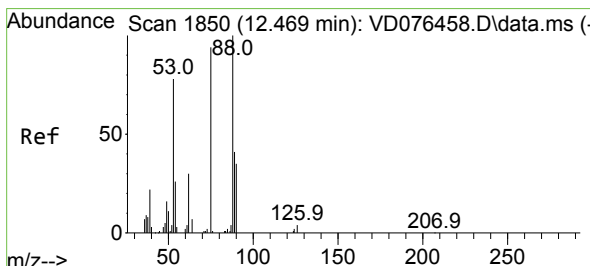
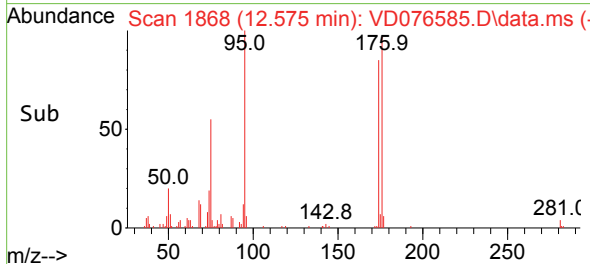
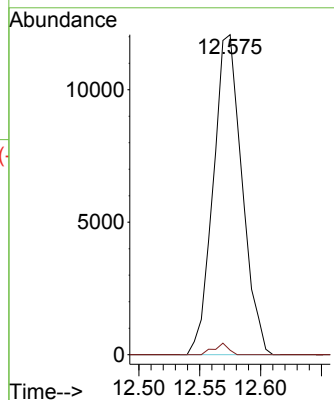
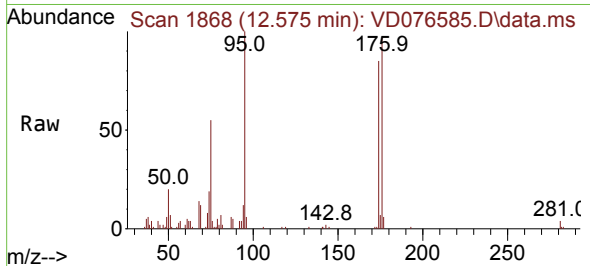




#76
1,2,3-Trichloropropane
Concen: 94.666 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

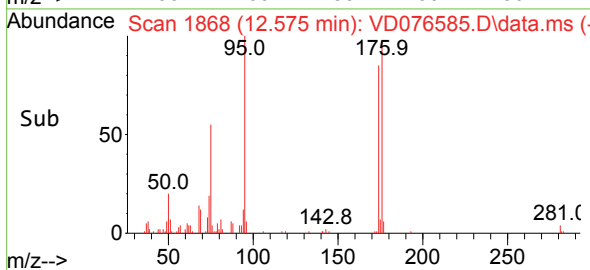
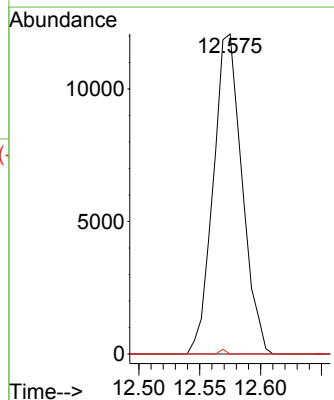
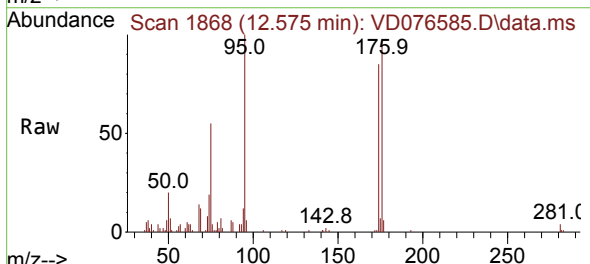
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-22-GRAB-5RE

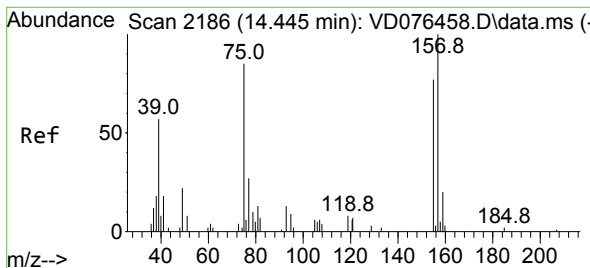
Tgt Ion: 75 Resp: 19844
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 207.435 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

Tgt Ion: 75 Resp: 19844
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.3 37.9 56.9#

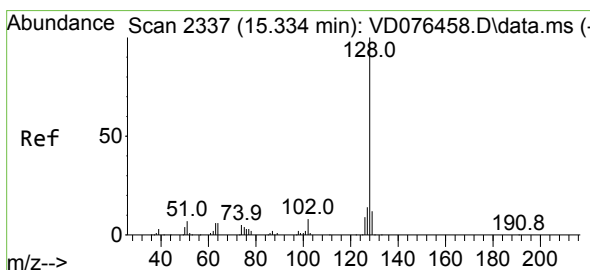
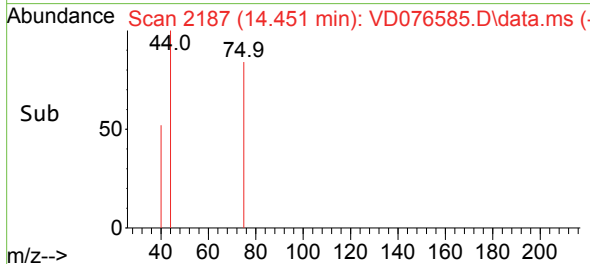
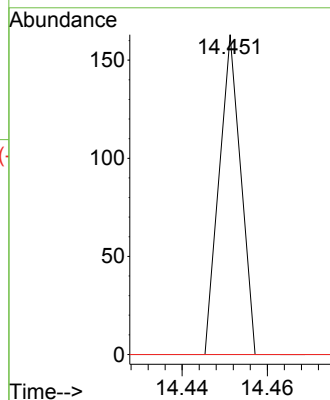
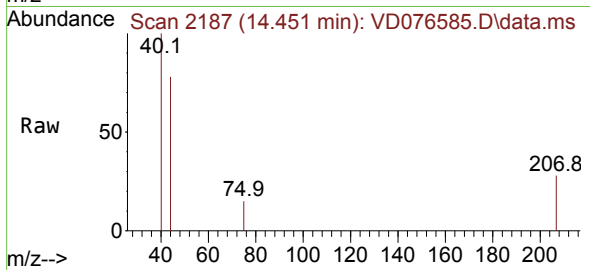




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.313 ug/l
RT: 14.451 min Scan# 2186
Delta R.T. 0.006 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

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

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 1.411 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD076585.D
Acq: 26 Jun 2023 17:27

Tgt Ion: 128 Resp: 1132
Ion Ratio Lower Upper
128 100
127 22.2 10.5 15.7#
129 0.0 8.7 13.1#

