

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076423.D
 Acq On : 14 Jun 2023 17:33
 Operator : KP/SY
 Sample : 03222-17
 Misc : 6.50G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-06-GRAB-6

Quant Time: Jun 15 05:34:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

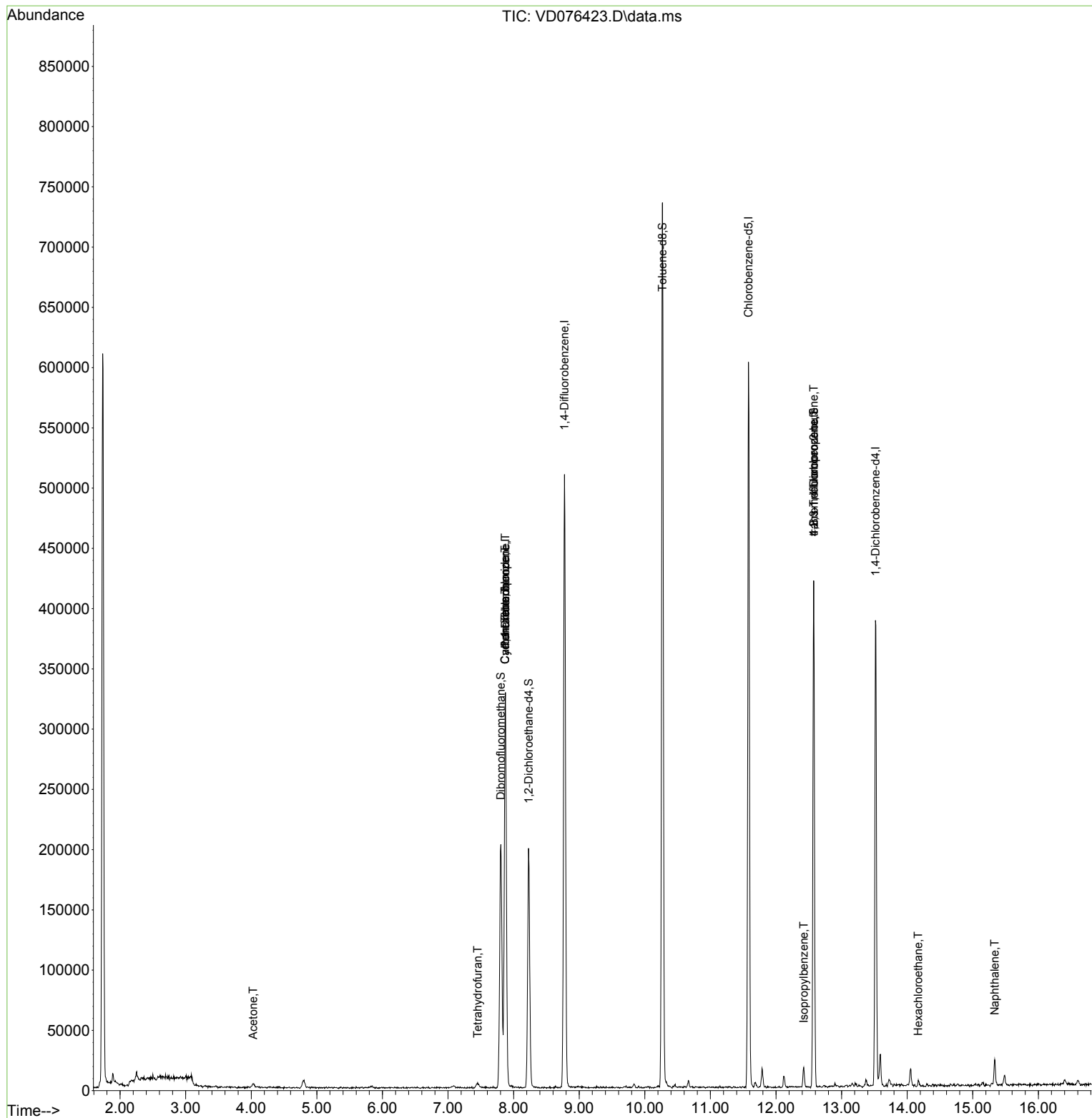
Internal Standards						
1) Pentafluorobenzene	7.875	168	257501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	450736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	104541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	145088	48.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.560%
35) Dibromofluoromethane	7.805	113	146070	50.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.280%
50) Toluene-d8	10.269	98	511023	46.290	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.575	95	126744	33.466	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.940%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	5974	9.137	ug/l	98
20) Methylene Chloride	4.781	84	4148	Below Cal	#	85
29) Tetrahydrofuran	7.452	42	3757	5.759	ug/l #	70
31) Cyclohexane	7.869	56	5872	1.234	ug/l #	2
36) 1,1-Dichloropropene	7.875	75	19766	4.649	ug/l #	48
38) Carbon Tetrachloride	7.869	117	25112	6.361	ug/l #	14
73) Isopropylbenzene	12.422	105	10444	1.321	ug/l	99
76) 1,2,3-Trichloropropane	12.575	75	69151	70.755	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	69151	126.682	ug/l #	17
90) Hexachloroethane	14.169	117	2020	1.560	ug/l #	11
95) Naphthalene	15.334	128	17056	3.997	ug/l	99

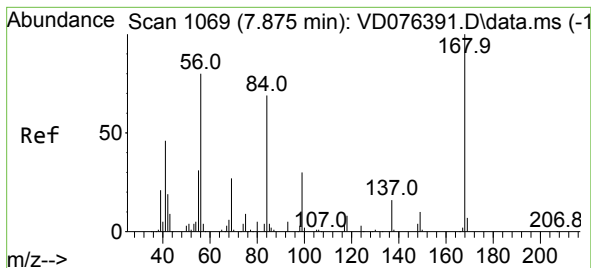
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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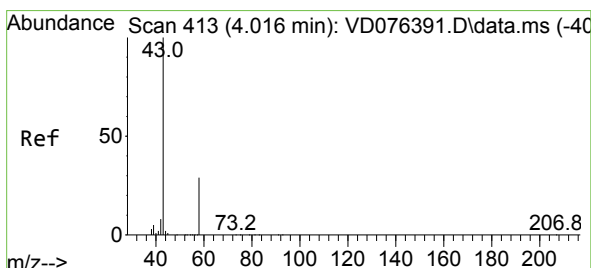
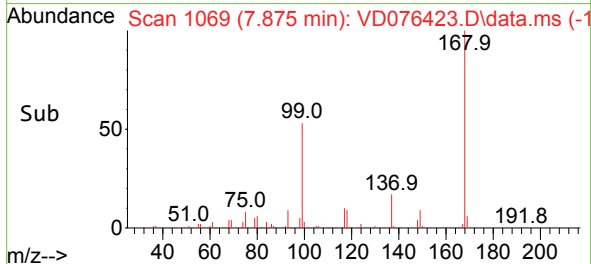
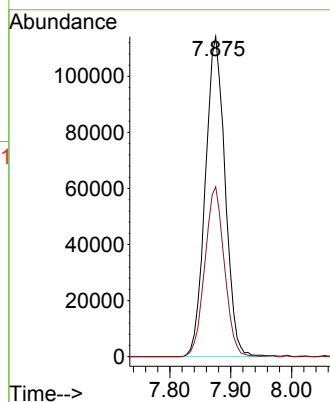
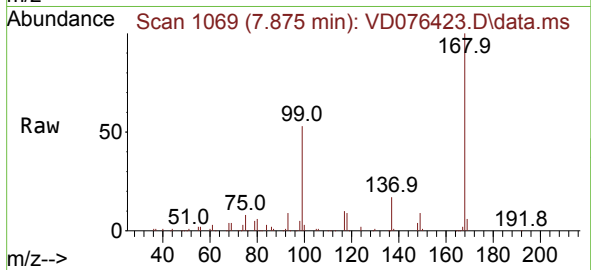




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

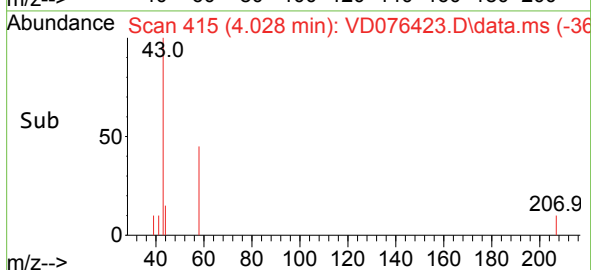
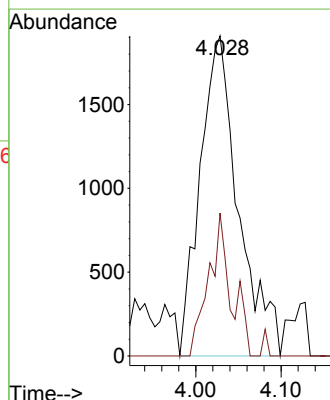
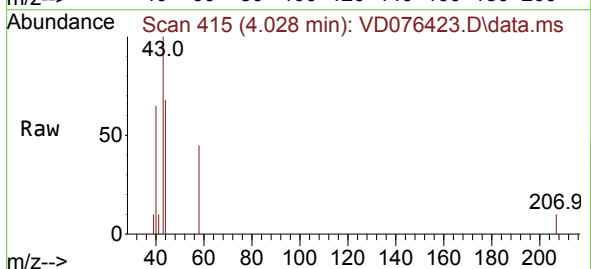
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-6

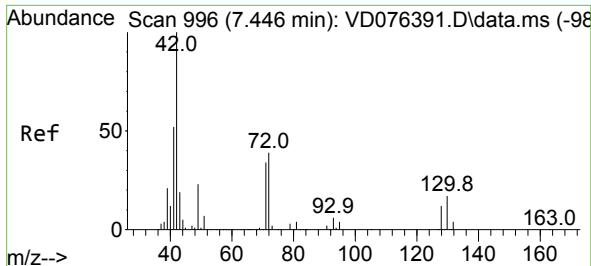
Tgt Ion:168 Resp: 257501
Ion Ratio Lower Upper
168 100
99 53.1 36.7 55.1



#16
Acetone
Concen: 9.137 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion: 43 Resp: 5974
Ion Ratio Lower Upper
43 100
58 44.7 34.7 52.1





#29

Tetrahydrofuran

Concen: 5.759 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD076423.D

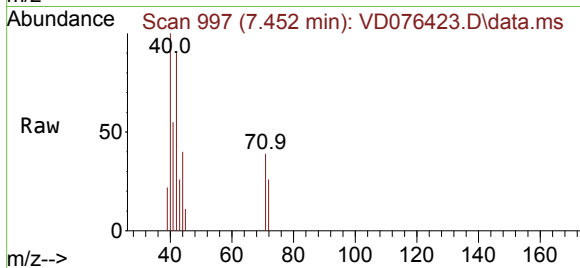
Acq: 14 Jun 2023 17:33

Instrument :

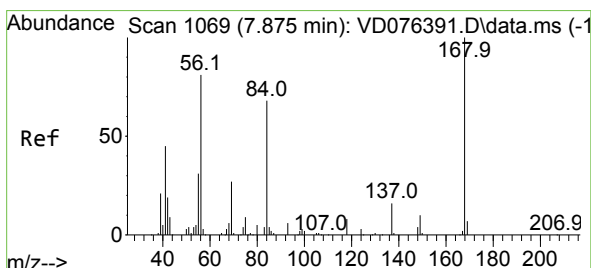
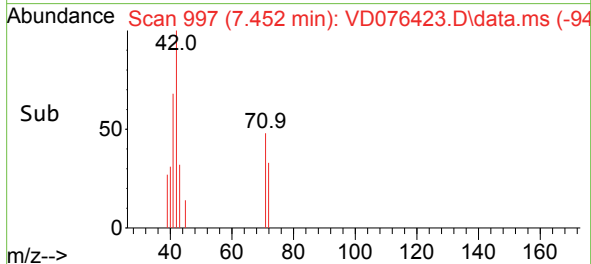
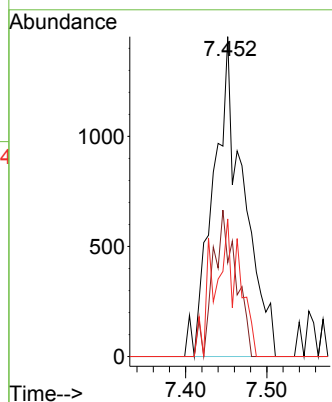
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-6



Tgt Ion:	42	Resp:	3757
Ion Ratio	100	Lower	Upper
72	34.5	46.5	69.7#
71	35.5	44.5	66.7#



#31

Cyclohexane

Concen: 1.234 ug/l

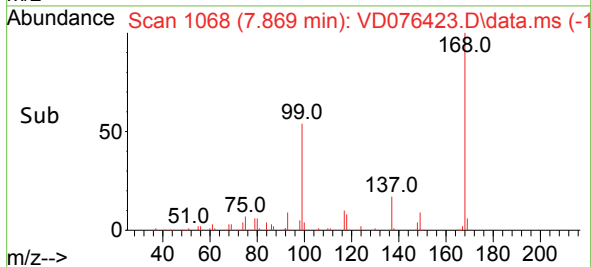
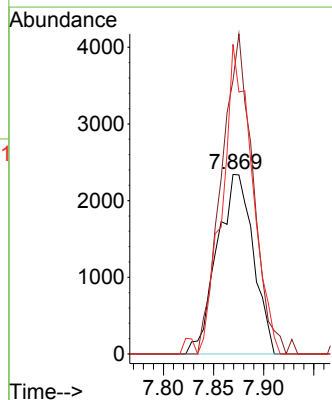
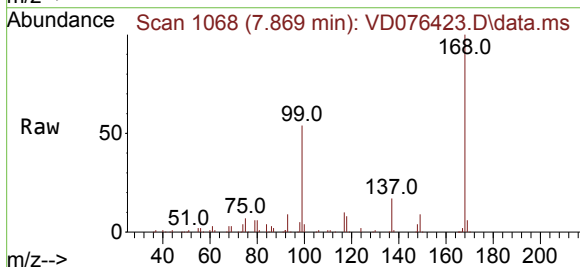
RT: 7.869 min Scan# 1068

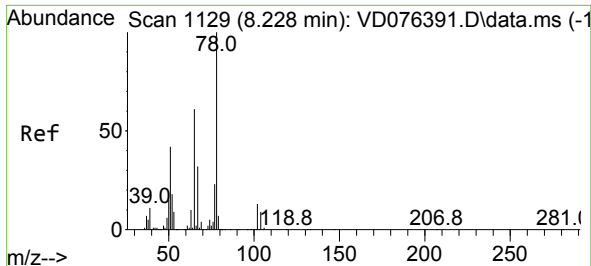
Delta R.T. -0.006 min

Lab File: VD076423.D

Acq: 14 Jun 2023 17:33

Tgt Ion:	56	Resp:	5872
Ion Ratio	100	Lower	Upper
69	152.3	28.6	43.0#
84	172.5	84.8	127.2#

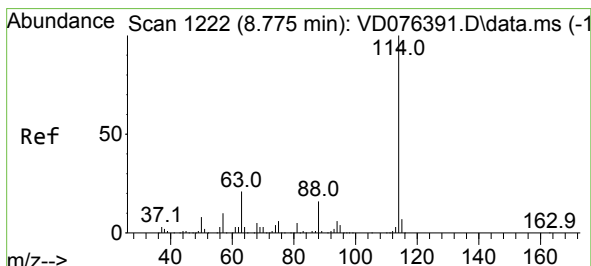
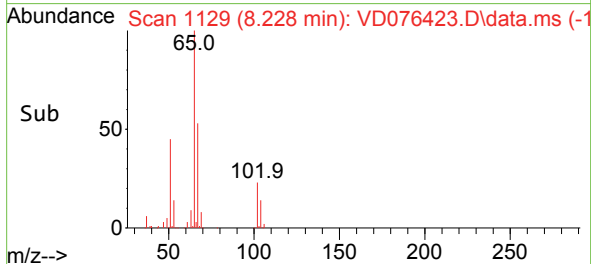
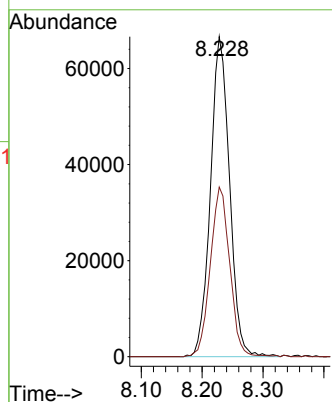
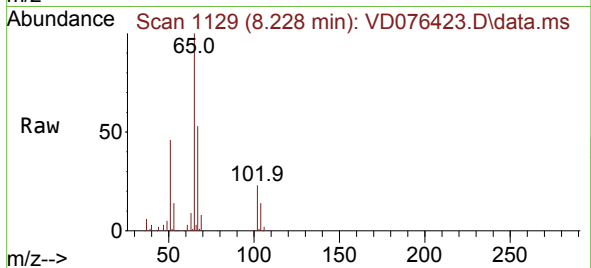




#33
1,2-Dichloroethane-d4
Concen: 48.782 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

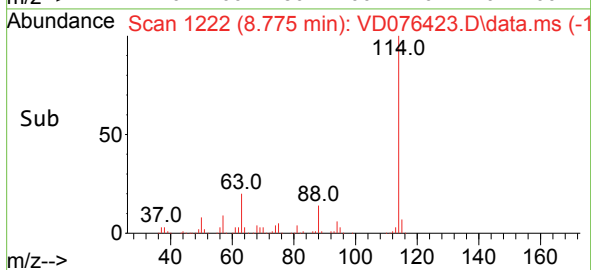
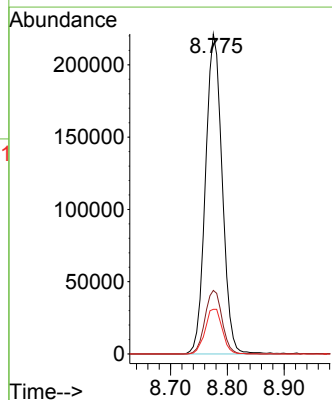
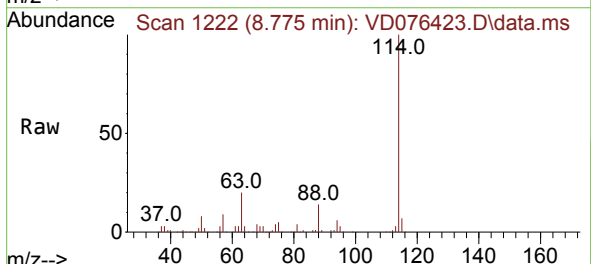
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-6

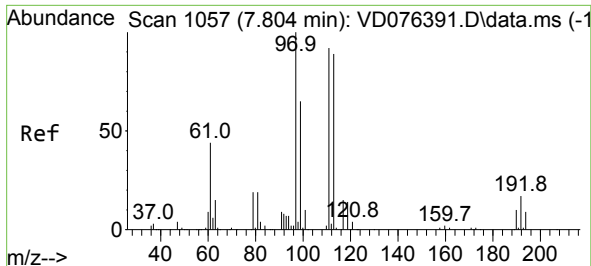
Tgt Ion: 65 Resp: 145088
Ion Ratio Lower Upper
65 100
67 54.0 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion: 114 Resp: 450736
Ion Ratio Lower Upper
114 100
63 19.8 0.0 33.4
88 13.9 0.0 26.2

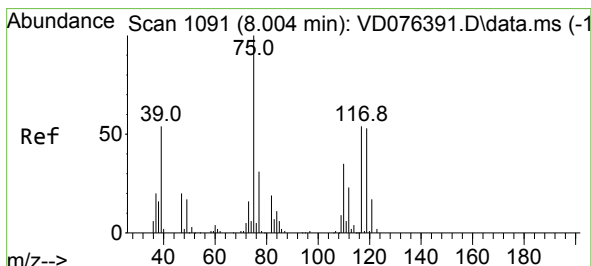
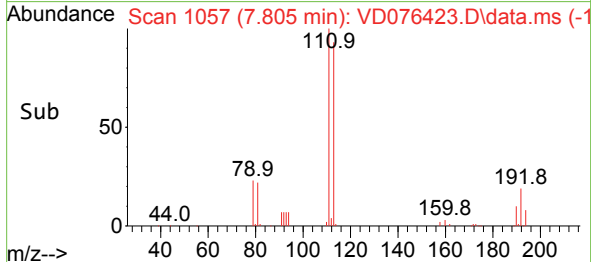
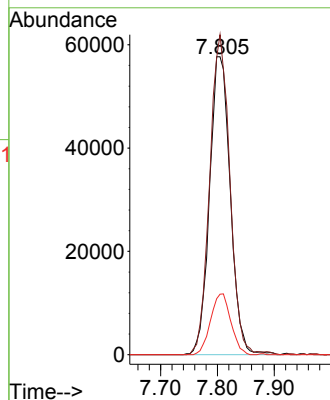
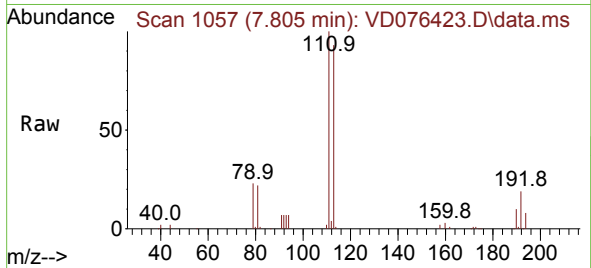




#35
Dibromofluoromethane
Concen: 50.141 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

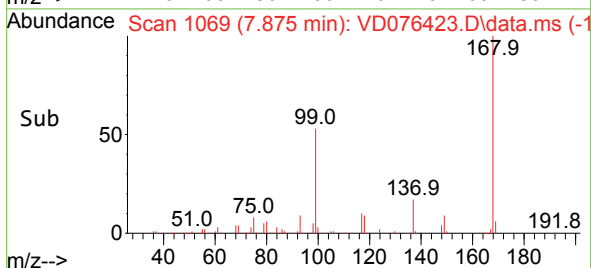
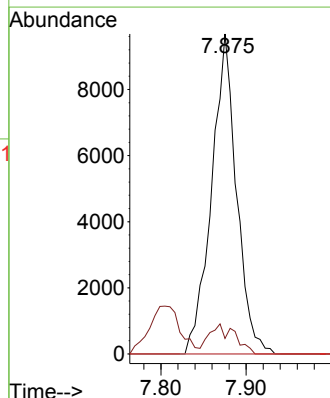
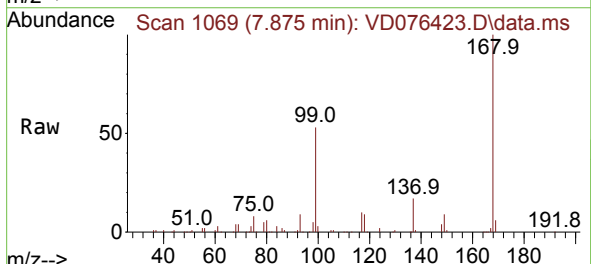
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-06-GRAB-6

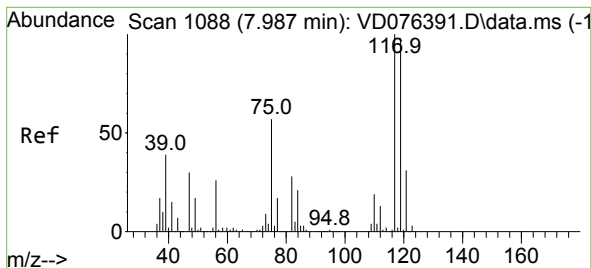
Tgt Ion:113 Resp: 146070
Ion Ratio Lower Upper
113 100
111 104.0 84.7 127.1
192 19.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.649 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion: 75 Resp: 19766
Ion Ratio Lower Upper
75 100
110 9.6 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.361 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.117 min

Lab File: VD076423.D

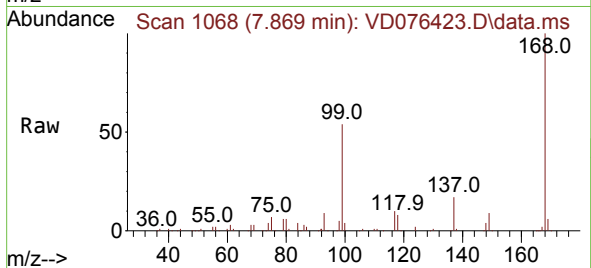
Acq: 14 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-6



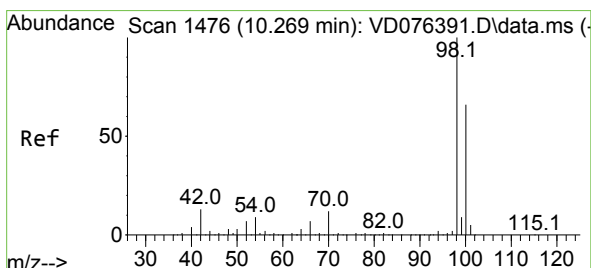
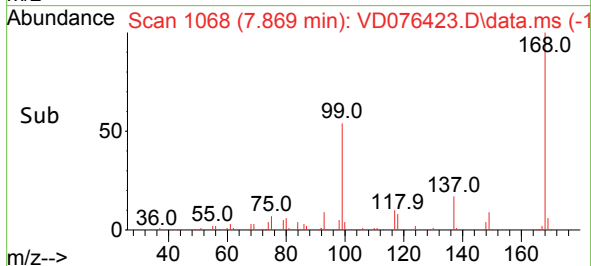
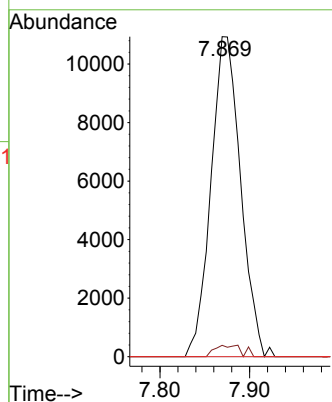
Tgt Ion:117 Resp: 25112

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.290 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076423.D

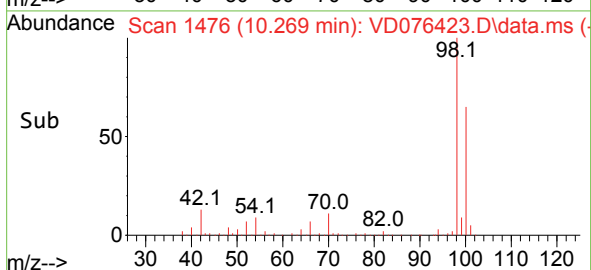
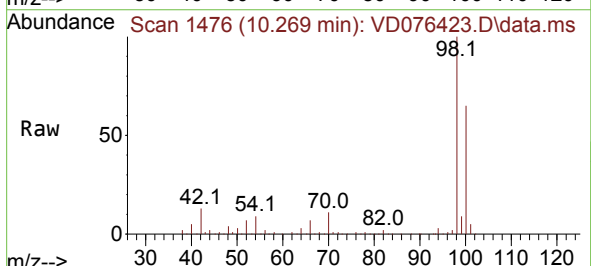
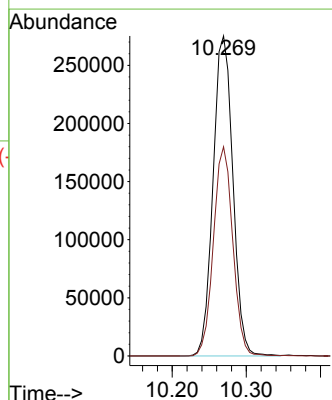
Acq: 14 Jun 2023 17:33

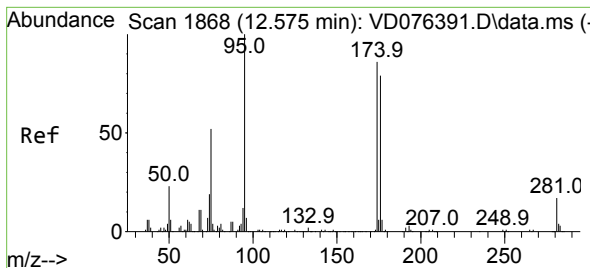
Tgt Ion: 98 Resp: 511023

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

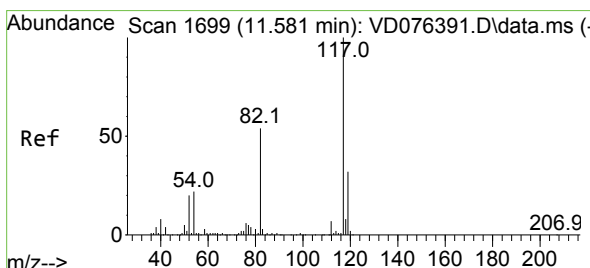
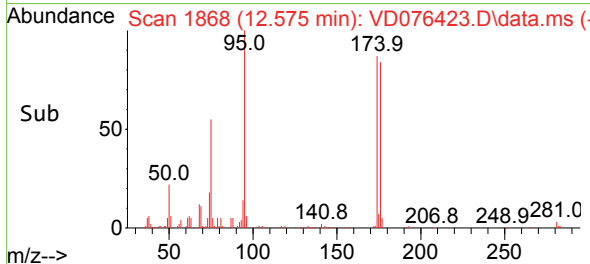
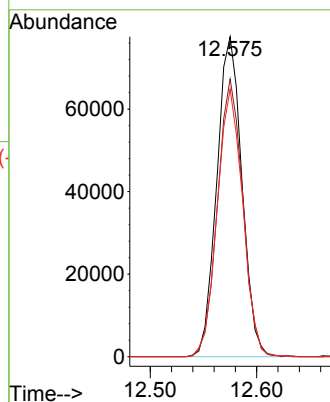
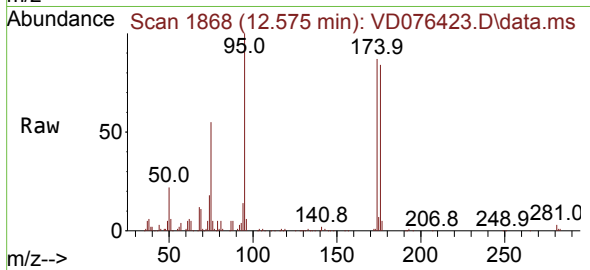




#62
4-Bromofluorobenzene
Concen: 33.466 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

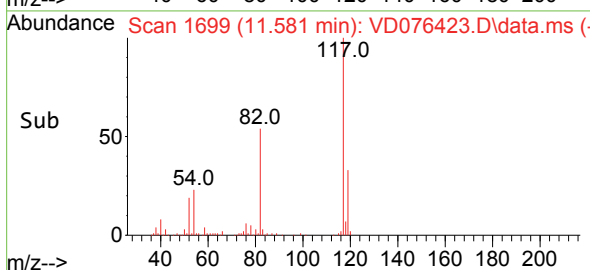
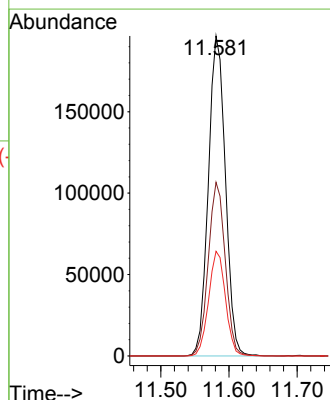
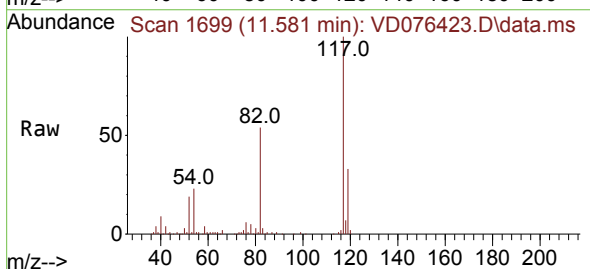
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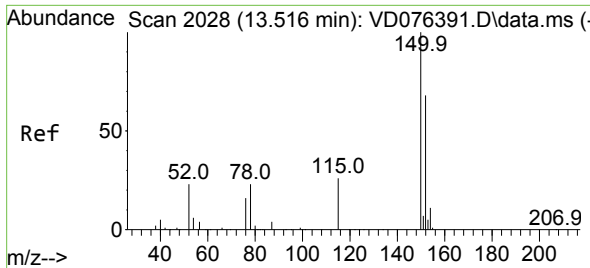
Tgt Ion: 95 Resp: 126744
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 84.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion: 117 Resp: 342260
Ion Ratio Lower Upper
117 100
82 54.3 38.3 57.5
119 32.7 25.0 37.4

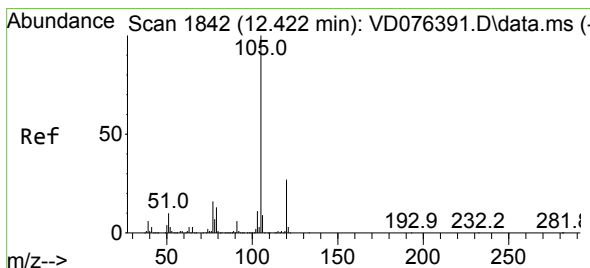
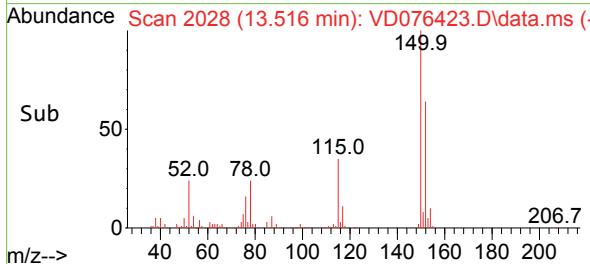
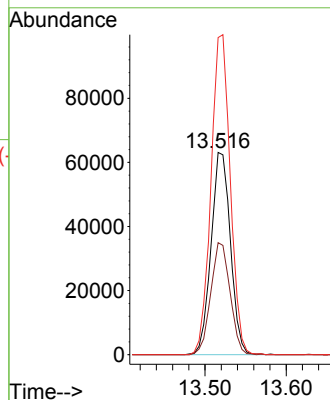
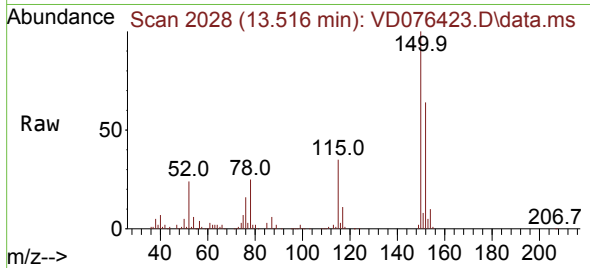




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

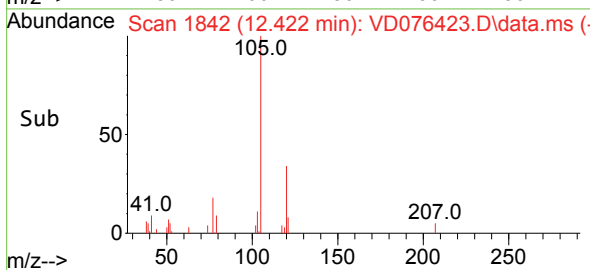
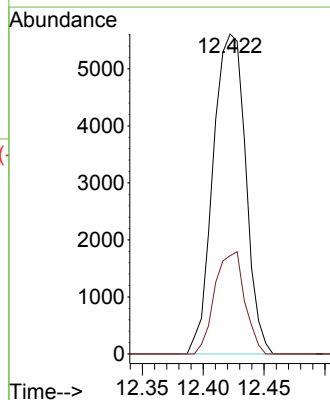
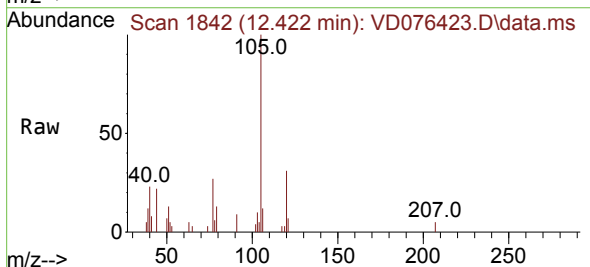
Instrument :
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TOTAL-VOC-SB-06-GRAB-6

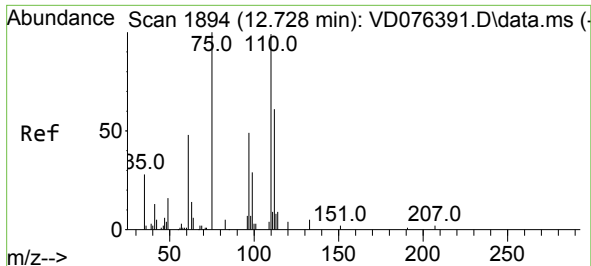
Tgt Ion:152 Resp: 104541
Ion Ratio Lower Upper
152 100
115 55.2 27.1 81.3
150 157.2 0.0 353.6



#73
Isopropylbenzene
Concen: 1.321 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion:105 Resp: 10444
Ion Ratio Lower Upper
105 100
120 29.3 14.3 42.9

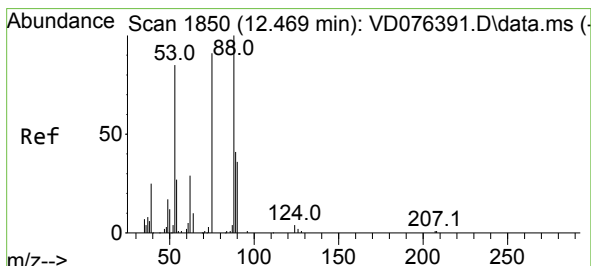
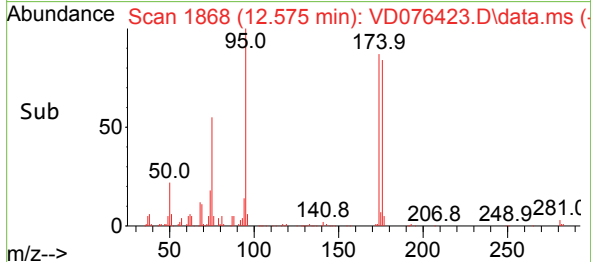
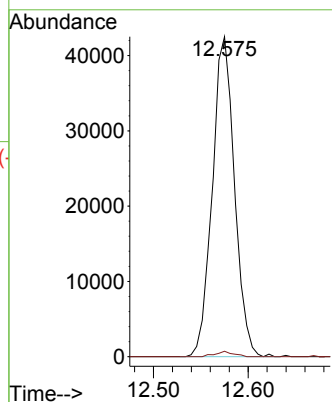
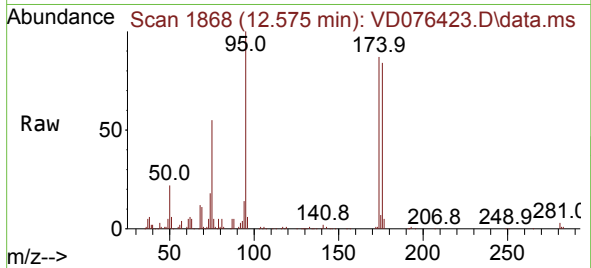




#76
1,2,3-Trichloropropane
Concen: 70.755 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

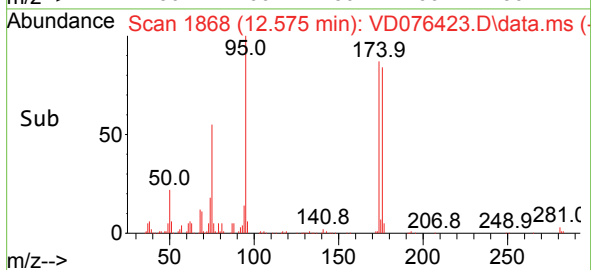
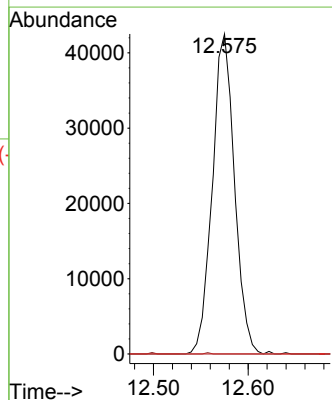
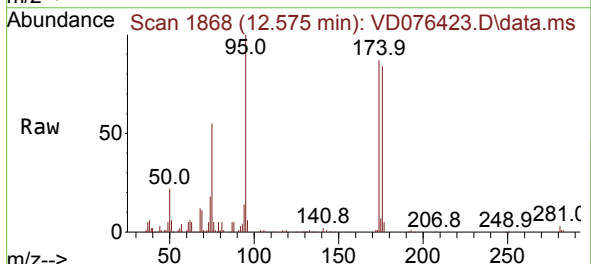
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-06-GRAB-6

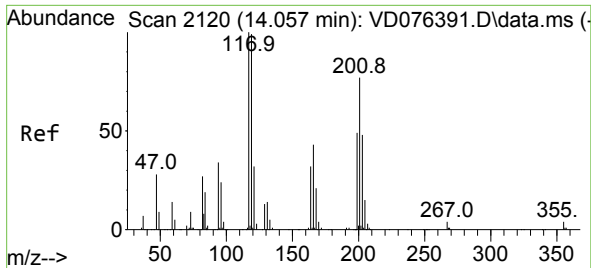
Tgt Ion: 75 Resp: 69151
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.682 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion: 75 Resp: 69151
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#

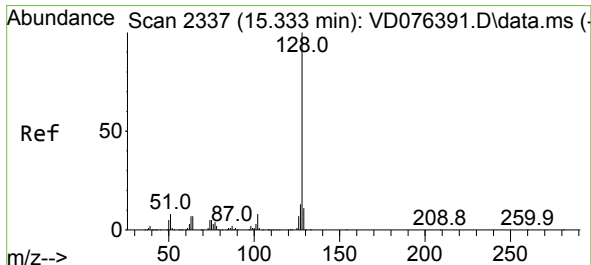
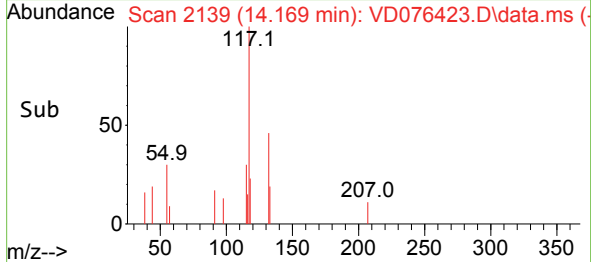
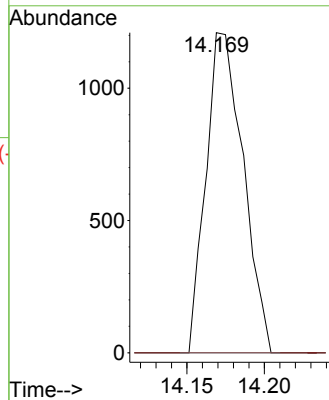
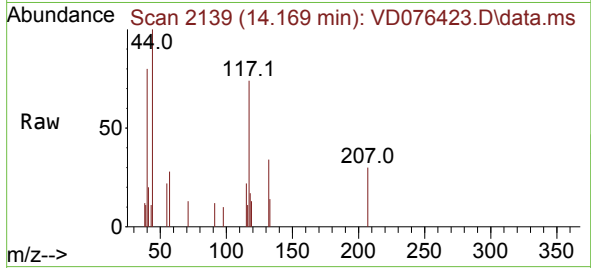




#90
Hexachloroethane
Concen: 1.560 ug/l
RT: 14.169 min Scan# 2120
Delta R.T. 0.112 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-6

Tgt Ion:117 Resp: 2020
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#95
Naphthalene
Concen: 3.997 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

Tgt Ion:128 Resp: 17056
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.5 8.7 13.1

