

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/5.00ml/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)

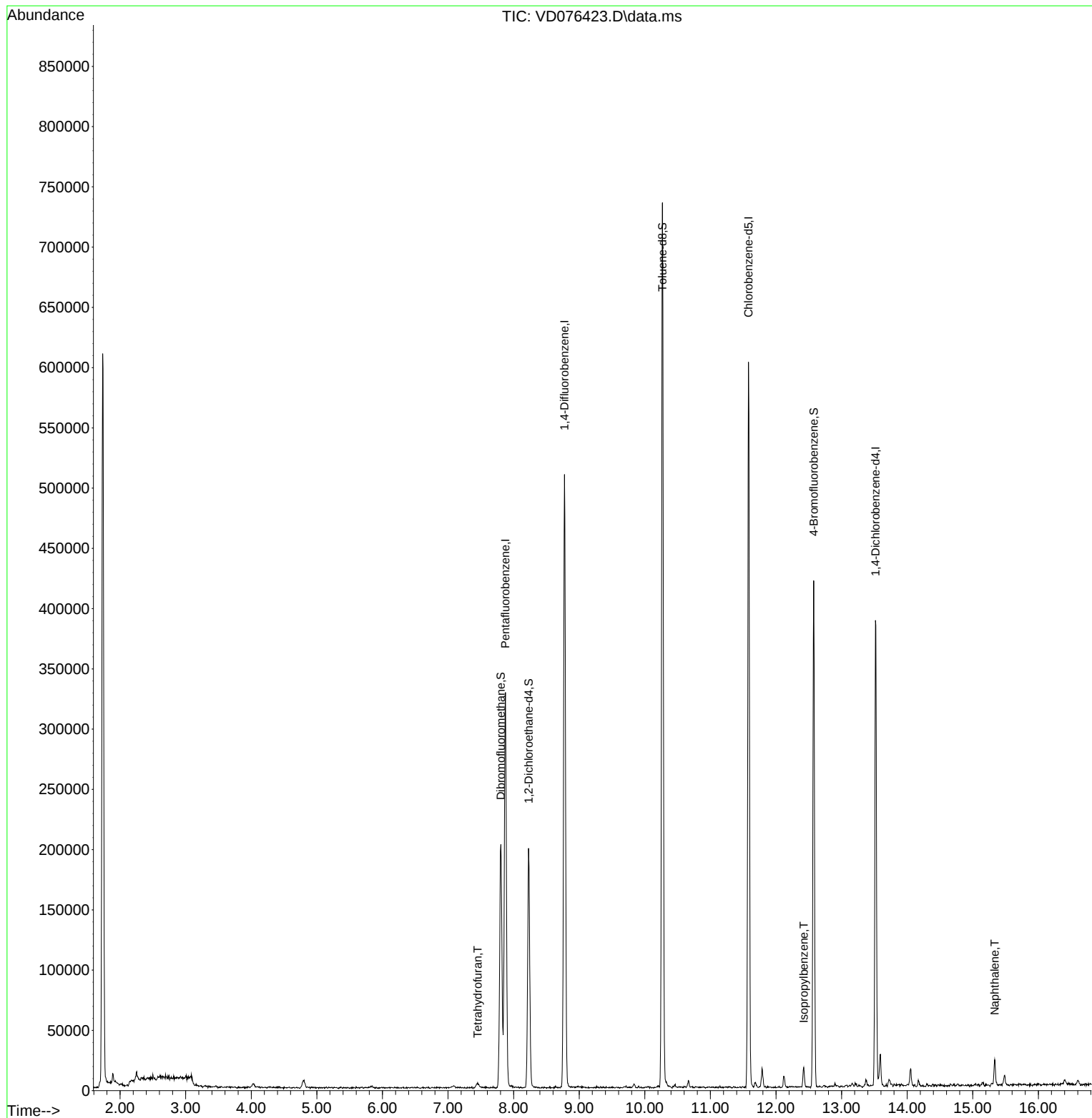
Internal Standards						
1) Pentafluorobenzene	7.875	168	257501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	450736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	104541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
29) Tetrahydrofuran	7.452	42	3757	5.759	ug/l #	70
73) Isopropylbenzene	12.422	105	10444	1.321	ug/l	99
95) Naphthalene	15.334	128	17056	3.997	ug/l	99

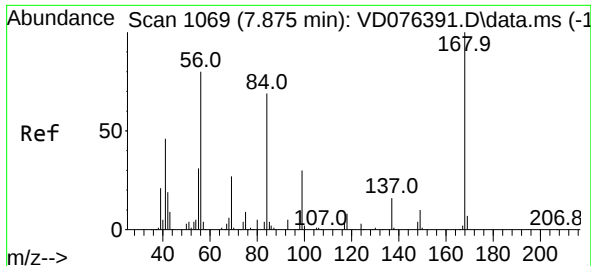
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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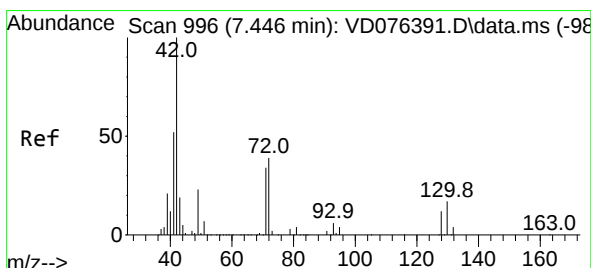
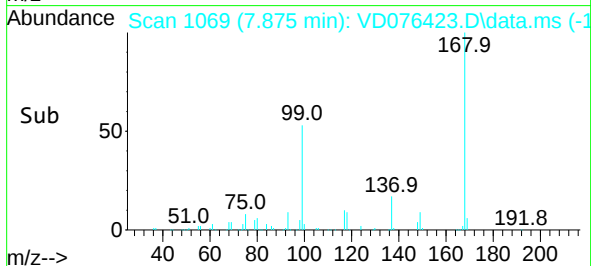
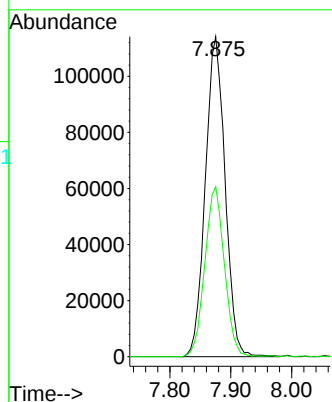
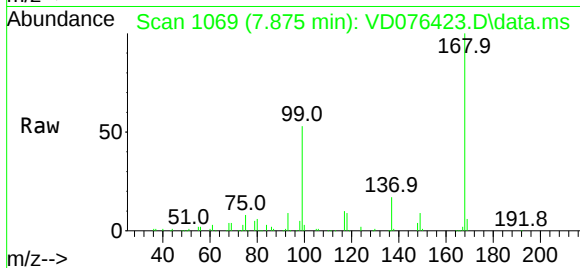




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

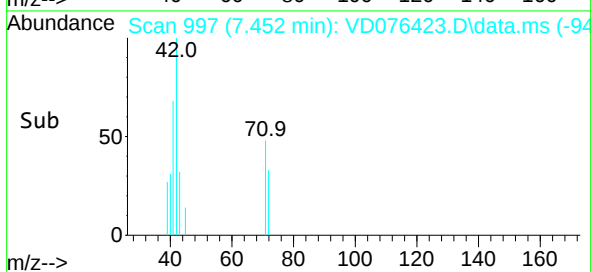
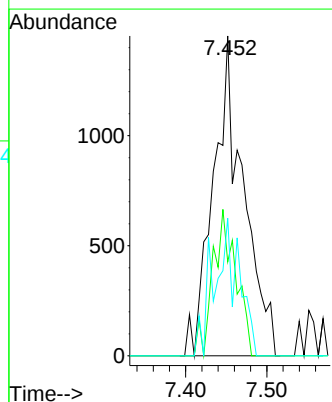
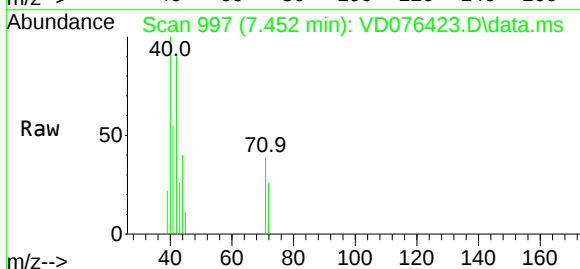
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-6

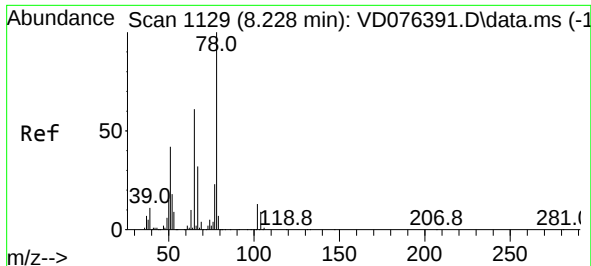
Tgt Ion:168 Resp: 257501
Ion Ratio Lower Upper
168 100
99 53.1 36.7 55.1



#29
Tetrahydrofuran
Concen: 5.759 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

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





#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 :

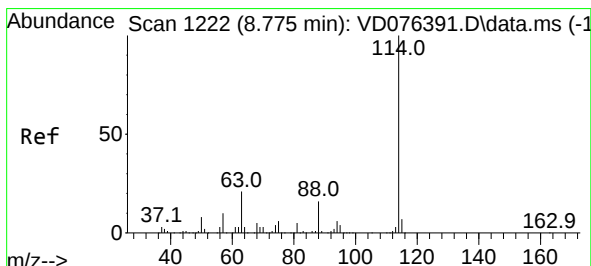
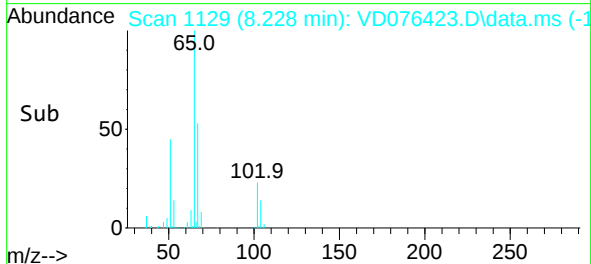
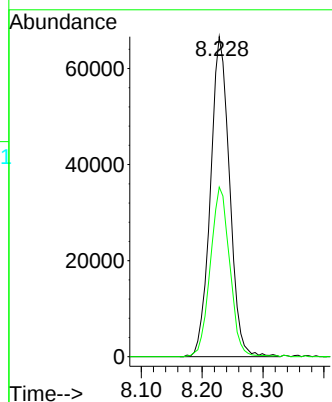
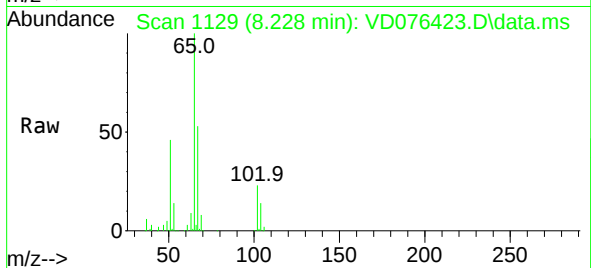
TOTAL-VOC-SB-06-GRAB-6

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

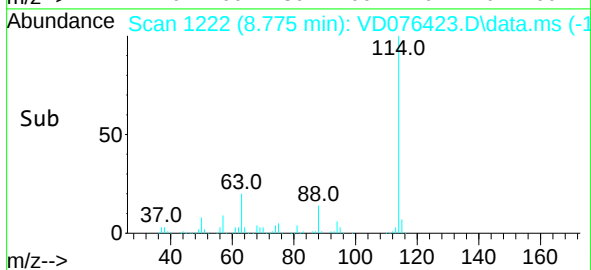
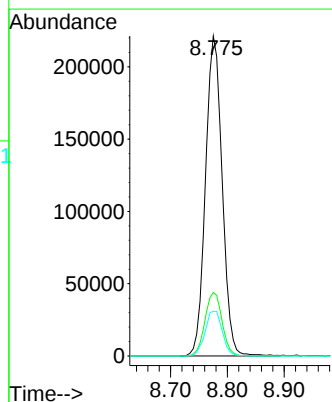
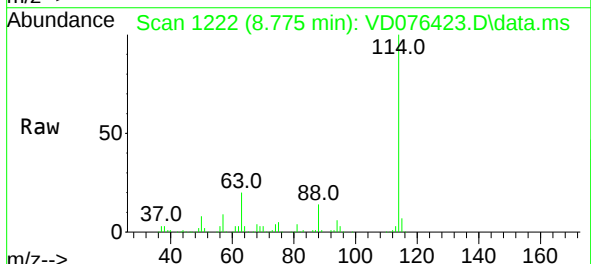
Tgt Ion: 114 Resp: 450736

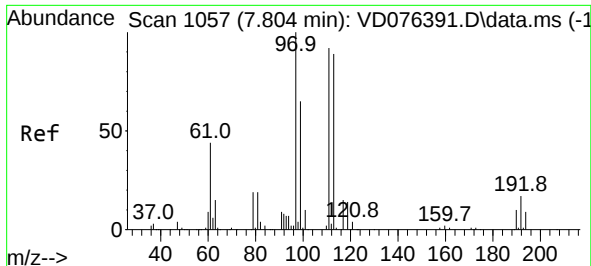
Ion Ratio Lower Upper

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# 113

Delta R.T. 0.000 min

Lab File: VD076423.D

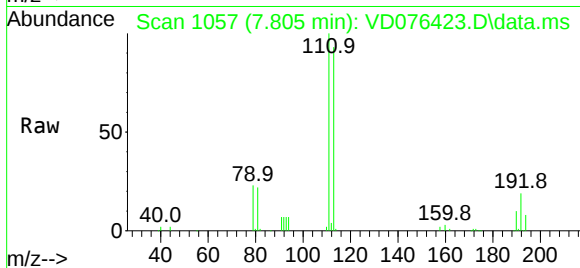
Acq: 14 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-6



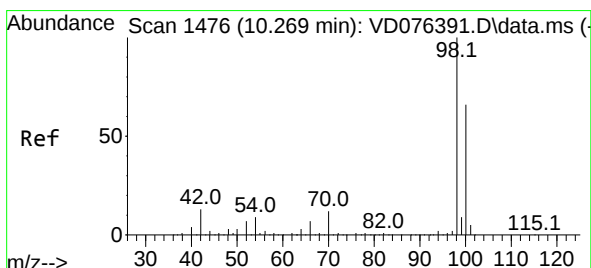
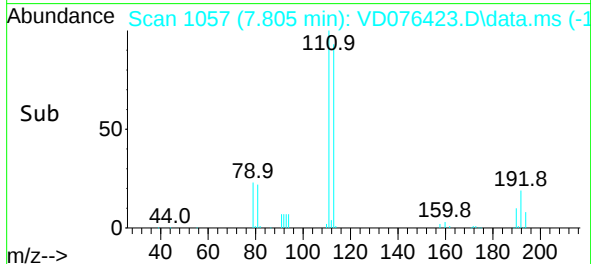
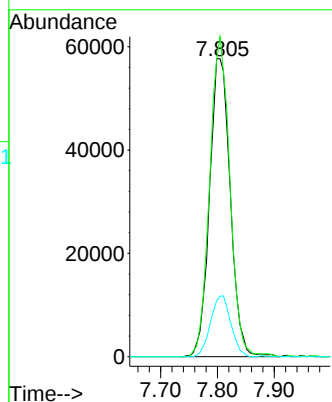
Tgt Ion:113 Resp: 146070

Ion Ratio Lower Upper

113 100

111 104.0 84.7 127.1

192 19.9 16.8 25.2



#50

Toluene-d8

Concen: 46.290 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076423.D

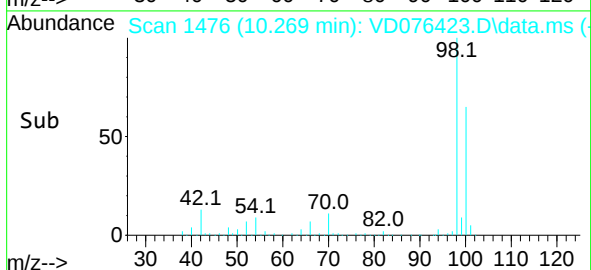
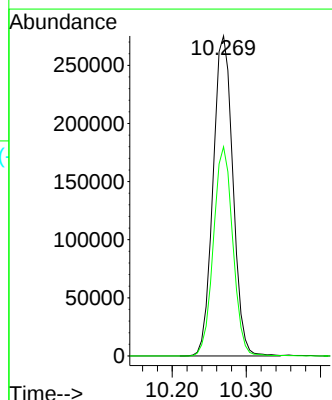
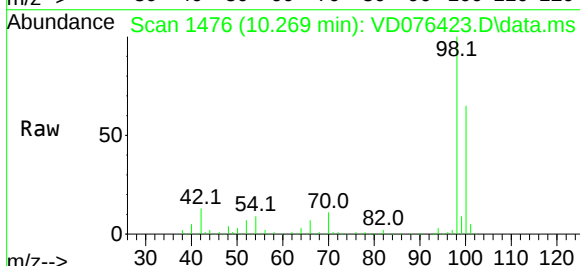
Acq: 14 Jun 2023 17:33

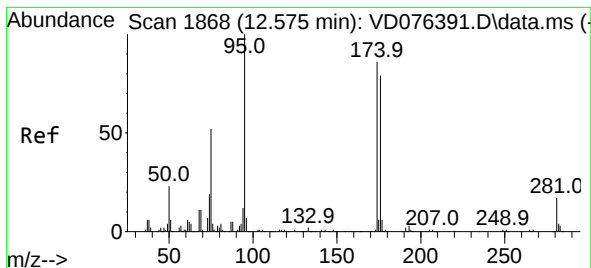
Tgt Ion: 98 Resp: 511023

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

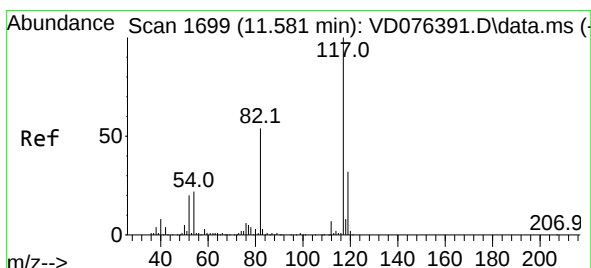
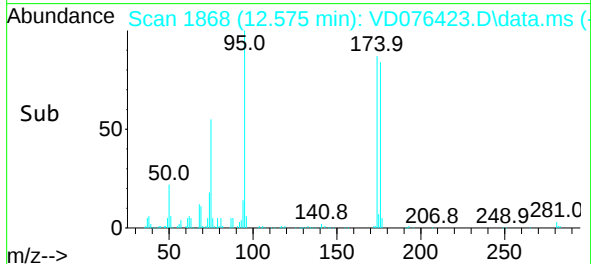
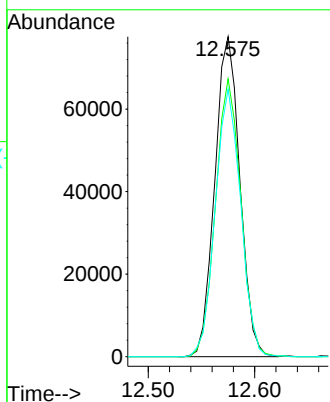
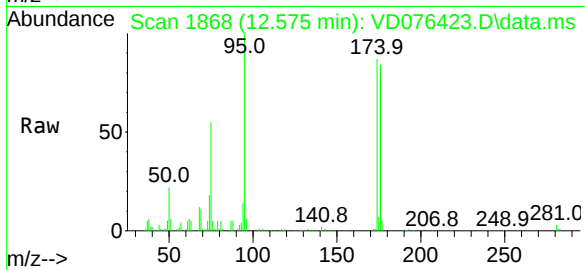




#62
4-Bromofluorobenzene
Concen: 33.466 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

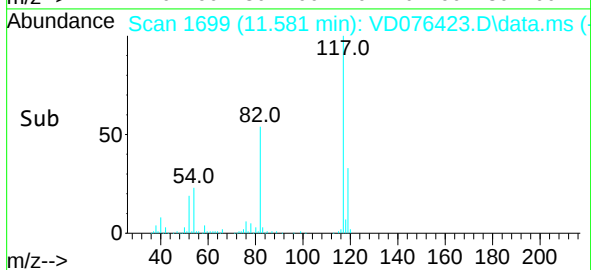
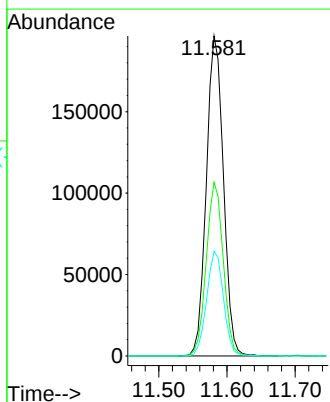
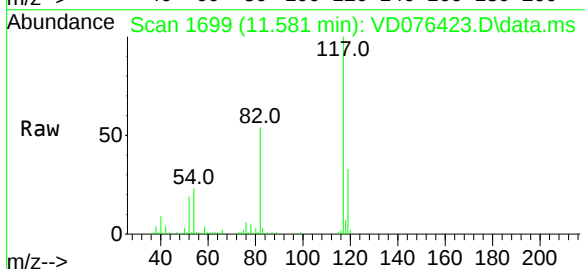
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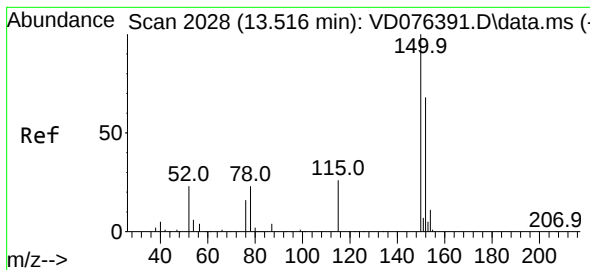
Tgt Ion: 95 Resp: 126744
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 84.7 0.0 191.8



#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

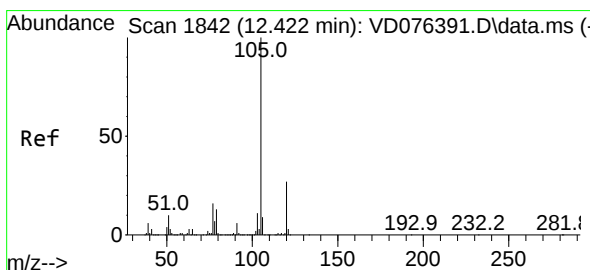
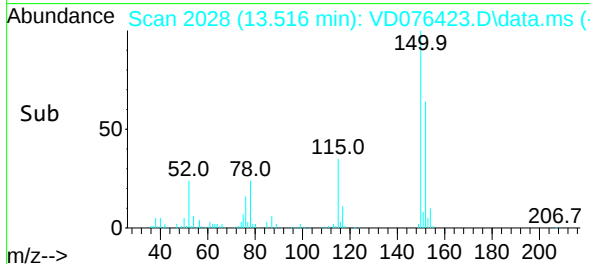
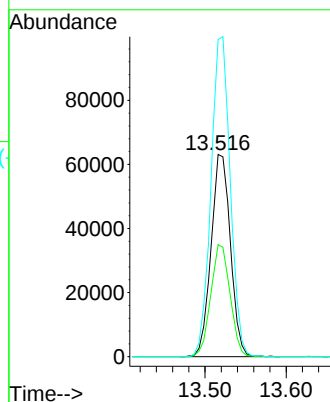
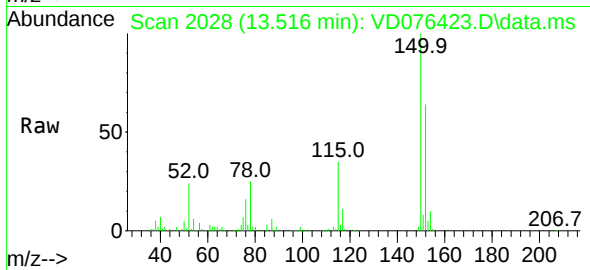




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076423.D
Acq: 14 Jun 2023 17:33

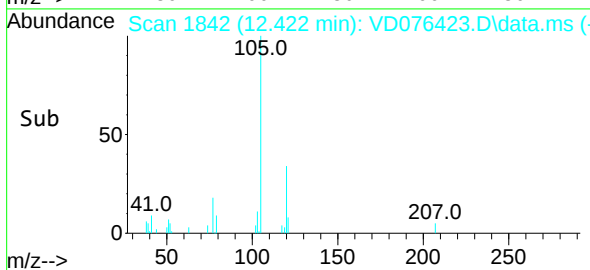
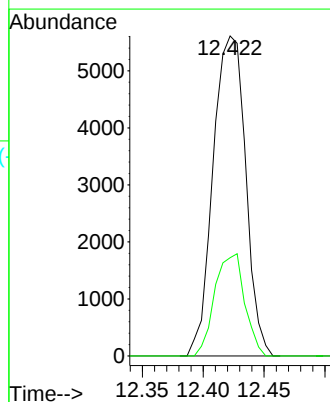
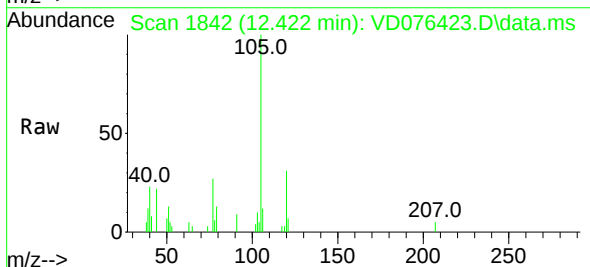
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TOTAL-VOC-SB-06-GRAB-6

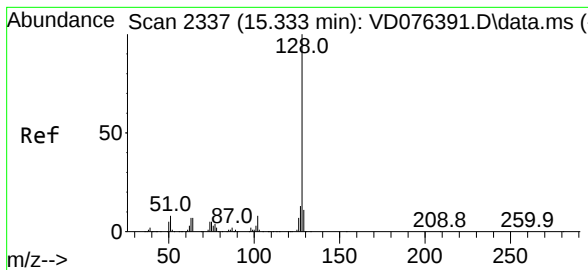
Tgt Ion:152 Resp: 104541
Ion Ratio Lower Upper
152 100
115 55.2 27.1 81.3
150 157.2 0.0 353.6



#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

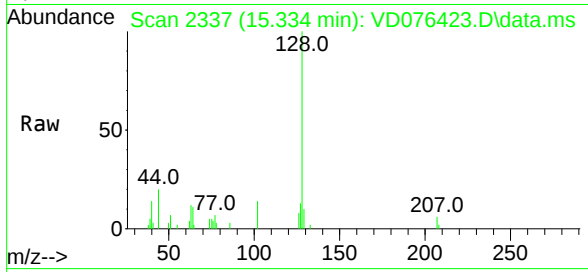
Tgt Ion:105 Resp: 10444
Ion Ratio Lower Upper
105 100
120 29.3 14.3 42.9





#95
Naphthalene
Concen: 3.997 ug/l
RT: 15.334 min Scan# 21
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:	128	Resp:	17056
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.5	8.7	13.1

