

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076420.D
 Acq On : 14 Jun 2023 16:03
 Operator : KP/SY
 Sample : 03222-05
 Misc : 12.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-33

Quant Time: Jun 15 05:33:49 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)

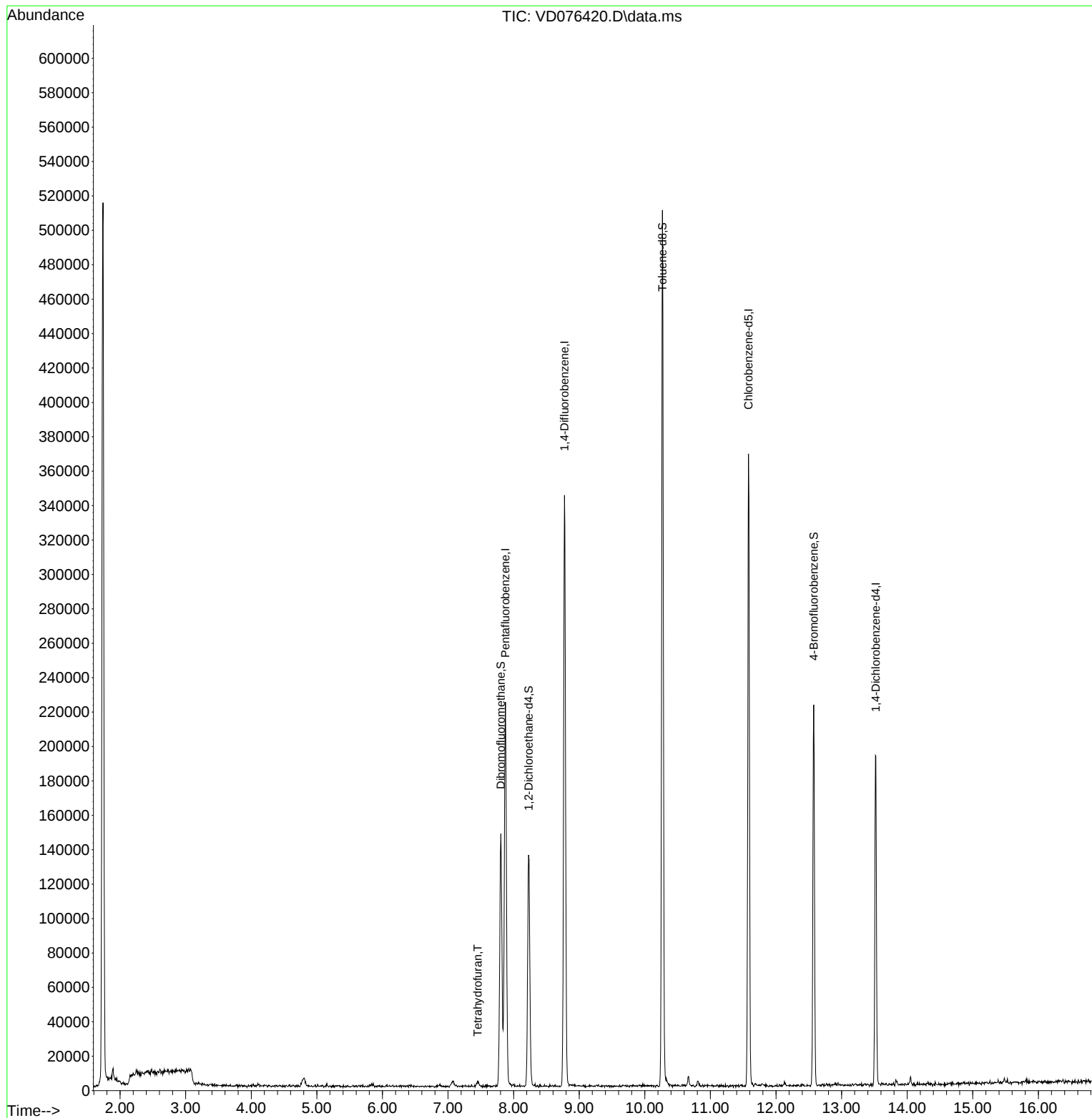
Internal Standards						
1) Pentafluorobenzene	7.875	168	176956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	302578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	208885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	50959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103832	50.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.600%
35) Dibromofluoromethane	7.805	113	103994	53.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.360%
50) Toluene-d8	10.269	98	347140	46.842	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.575	95	69038	27.155	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.300%
Target Compounds						
29) Tetrahydrofuran	7.452	42	2483	5.538	ug/l	Qvalue # 52

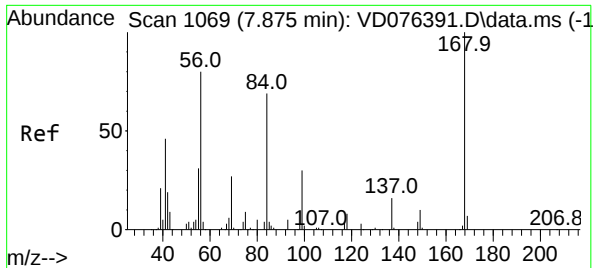
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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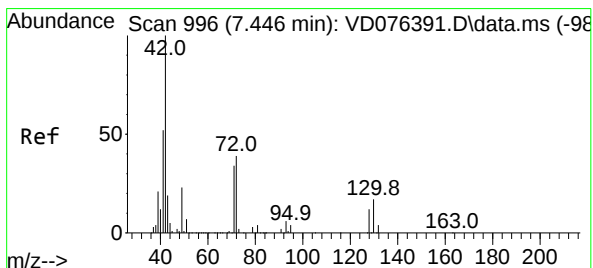
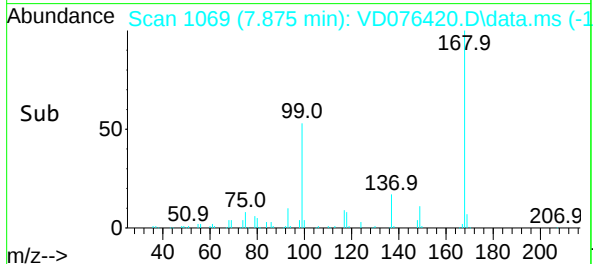
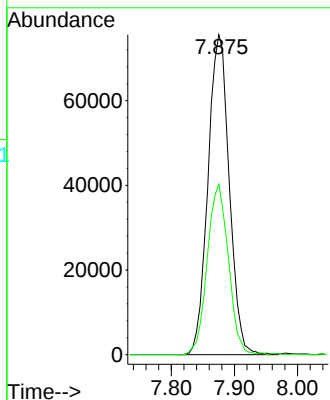
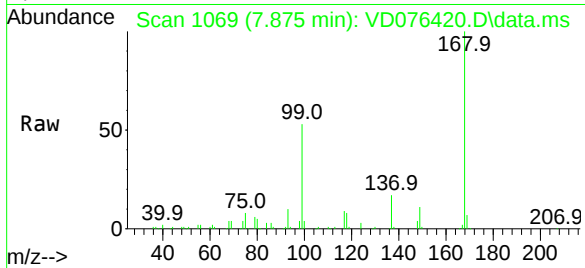




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

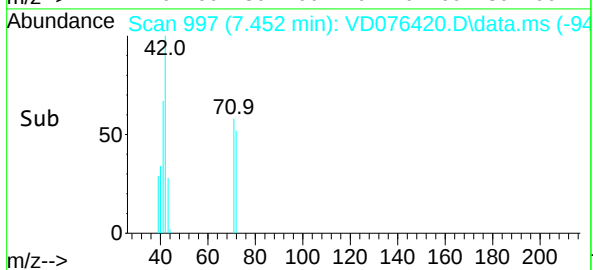
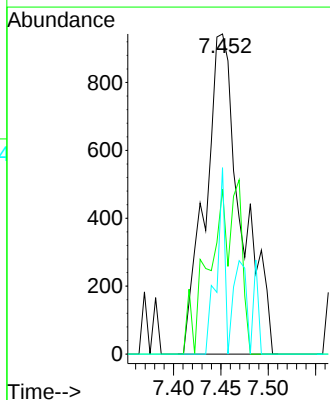
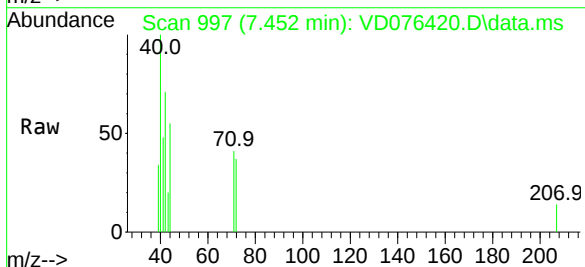
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

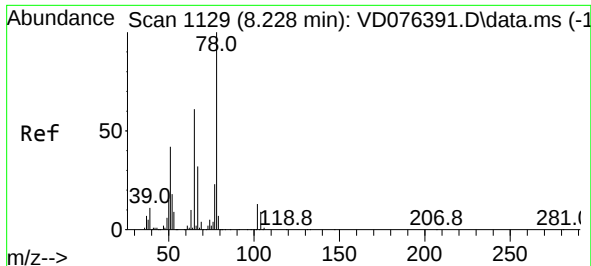
Tgt Ion:168 Resp: 176956
Ion Ratio Lower Upper
168 100
99 53.3 36.7 55.1



#29
Tetrahydrofuran
Concen: 5.538 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

Tgt Ion: 42 Resp: 2483
Ion Ratio Lower Upper
42 100
72 29.0 46.5 69.7#
71 13.3 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 50.801 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076420.D

Acq: 14 Jun 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

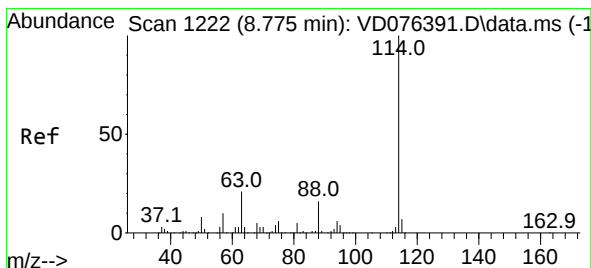
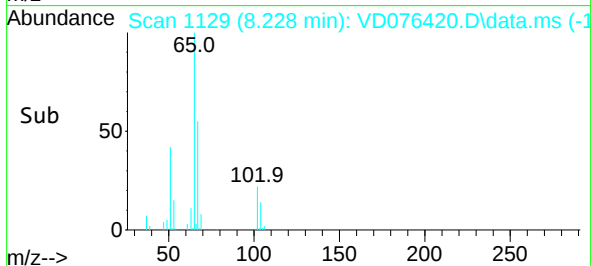
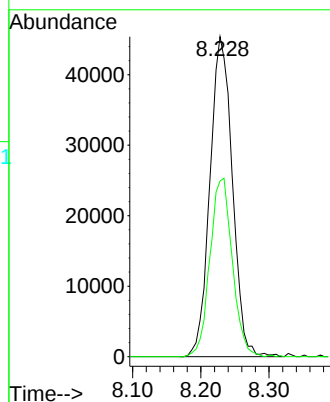
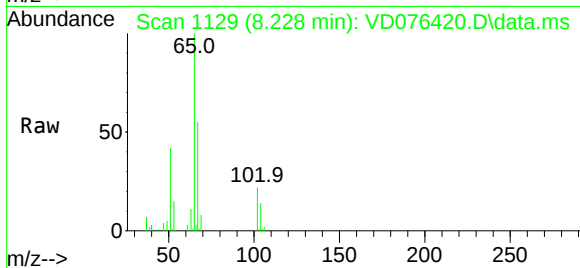
TOTAL-VOC-GRAB-4-SB-33

Tgt Ion: 65 Resp: 103832

Ion Ratio Lower Upper

65 100

67 55.7 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: VD076420.D

Acq: 14 Jun 2023 16:03

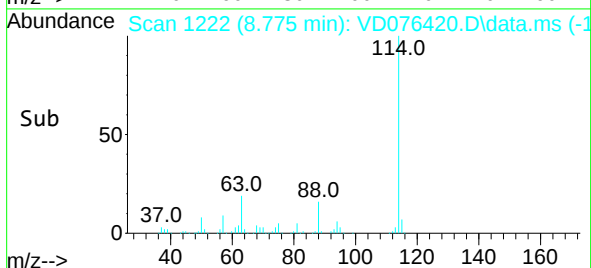
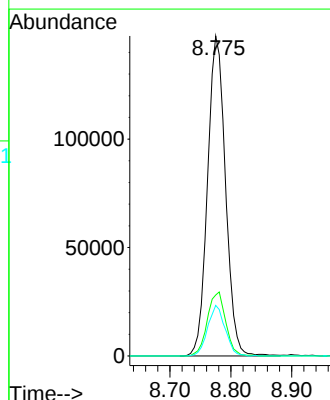
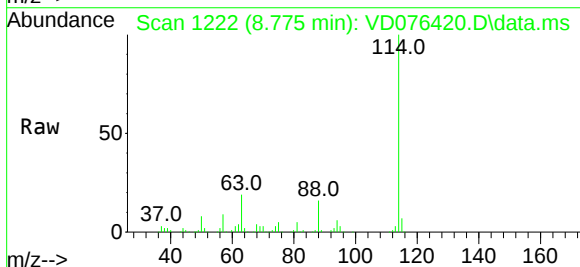
Tgt Ion: 114 Resp: 302578

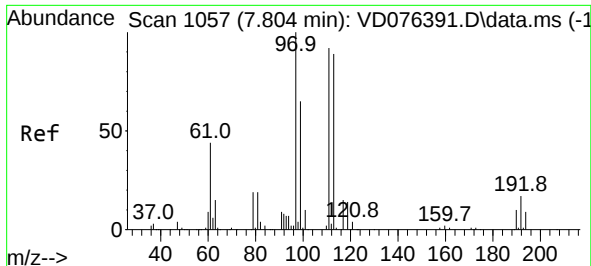
Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 15.8 0.0 26.2

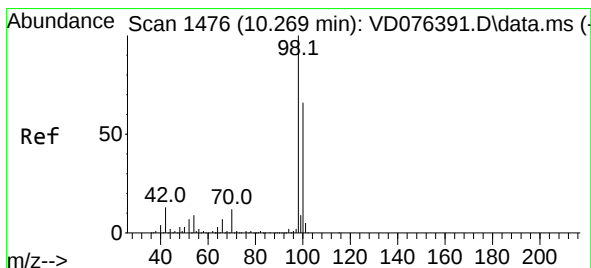
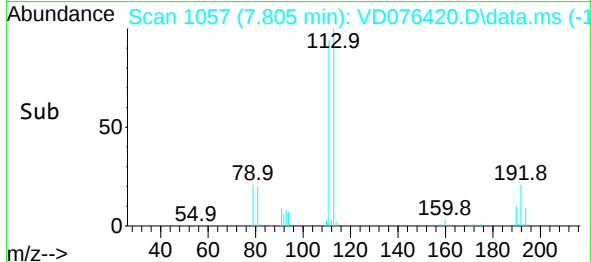
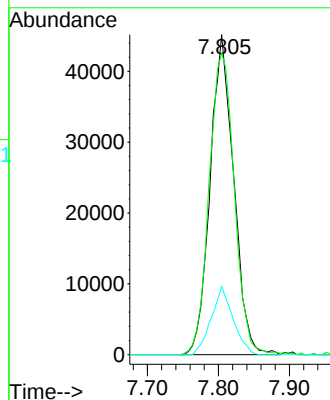
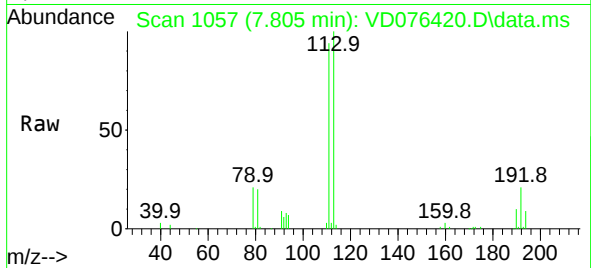




#35
Dibromofluoromethane
Concen: 53.178 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

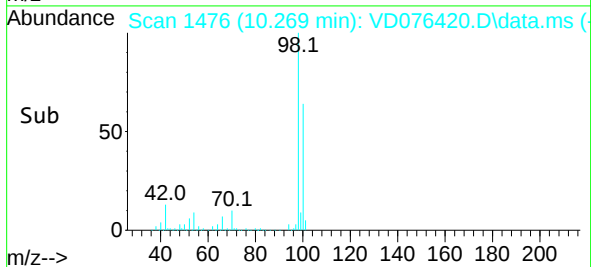
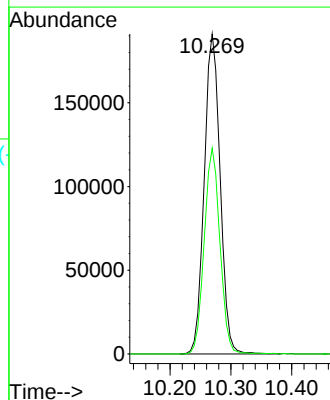
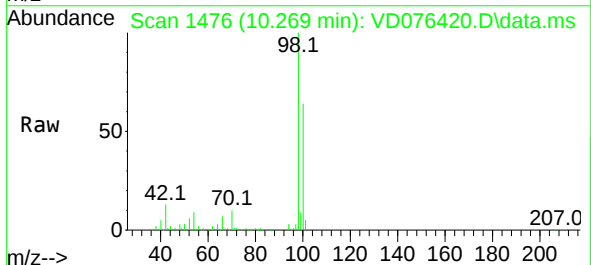
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TOTAL-VOC-GRAB-4-SB-33

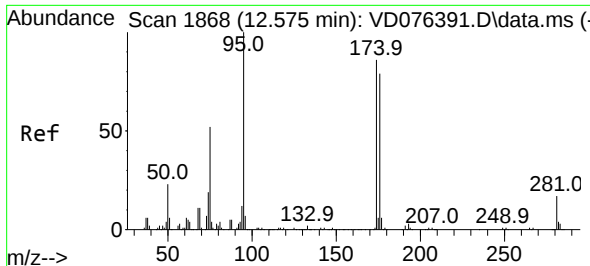
Tgt Ion:113 Resp: 103994
Ion Ratio Lower Upper
113 100
111 100.9 84.7 127.1
192 19.8 16.8 25.2



#50
Toluene-d8
Concen: 46.842 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

Tgt Ion: 98 Resp: 347140
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5

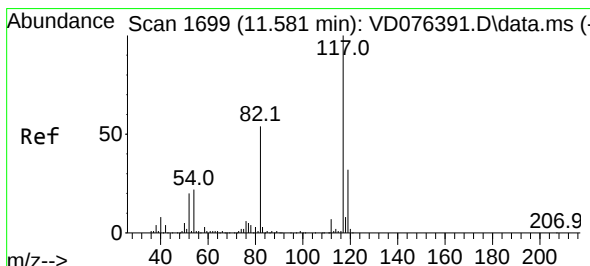
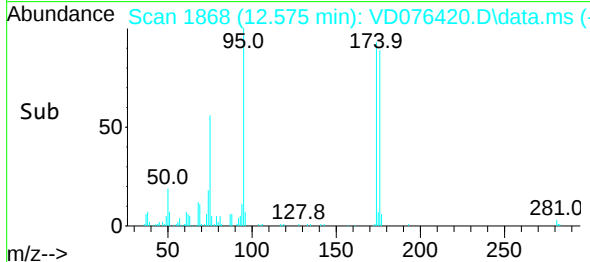
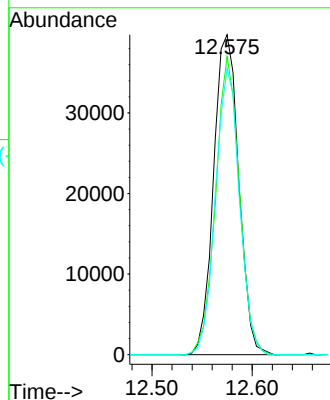
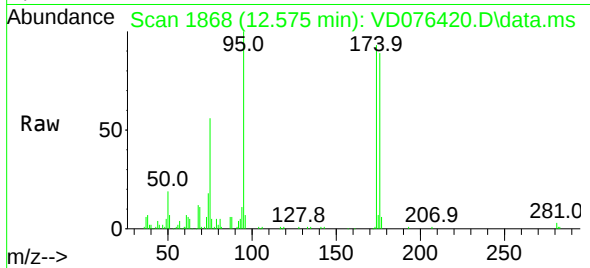




#62
4-Bromofluorobenzene
Concen: 27.155 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

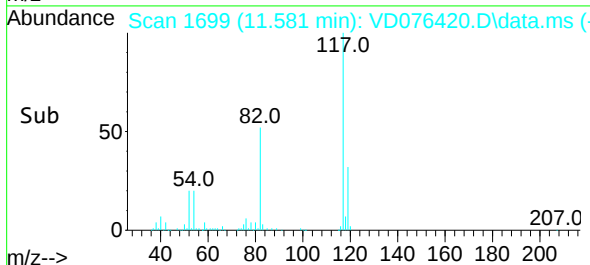
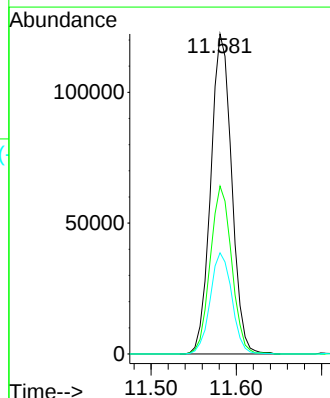
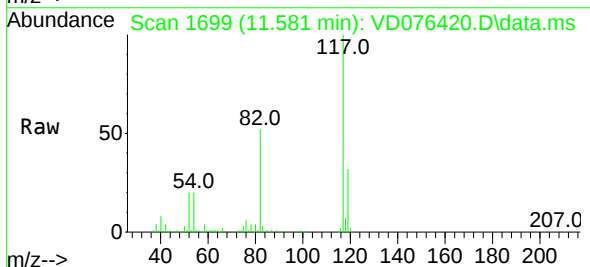
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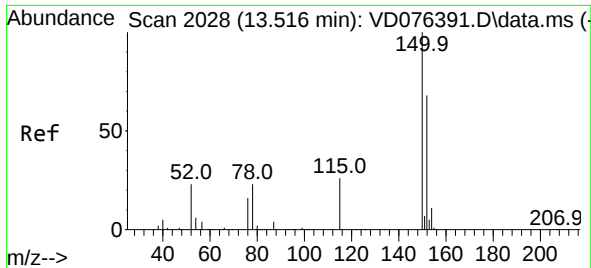
Tgt Ion: 95 Resp: 69038
Ion Ratio Lower Upper
95 100
174 88.4 0.0 201.8
176 85.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

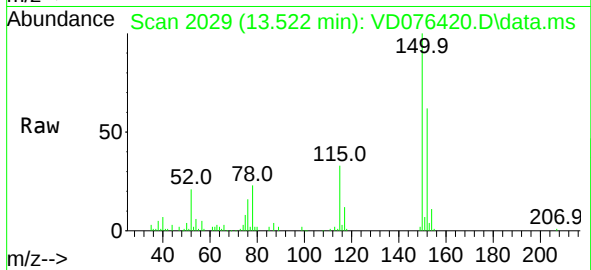
Tgt Ion: 117 Resp: 208885
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 31.6 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD076420.D
 Acq: 14 Jun 2023 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-33



Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	27.1	81.3
150	158.5	0.0	353.6

