

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077060.D
 Acq On : 29 Aug 2023 14:23
 Operator : JC/SY
 Sample : 04196-17
 Misc : 3.10G/5.1ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-345-VOC-03

Quant Time: Aug 29 21:00:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

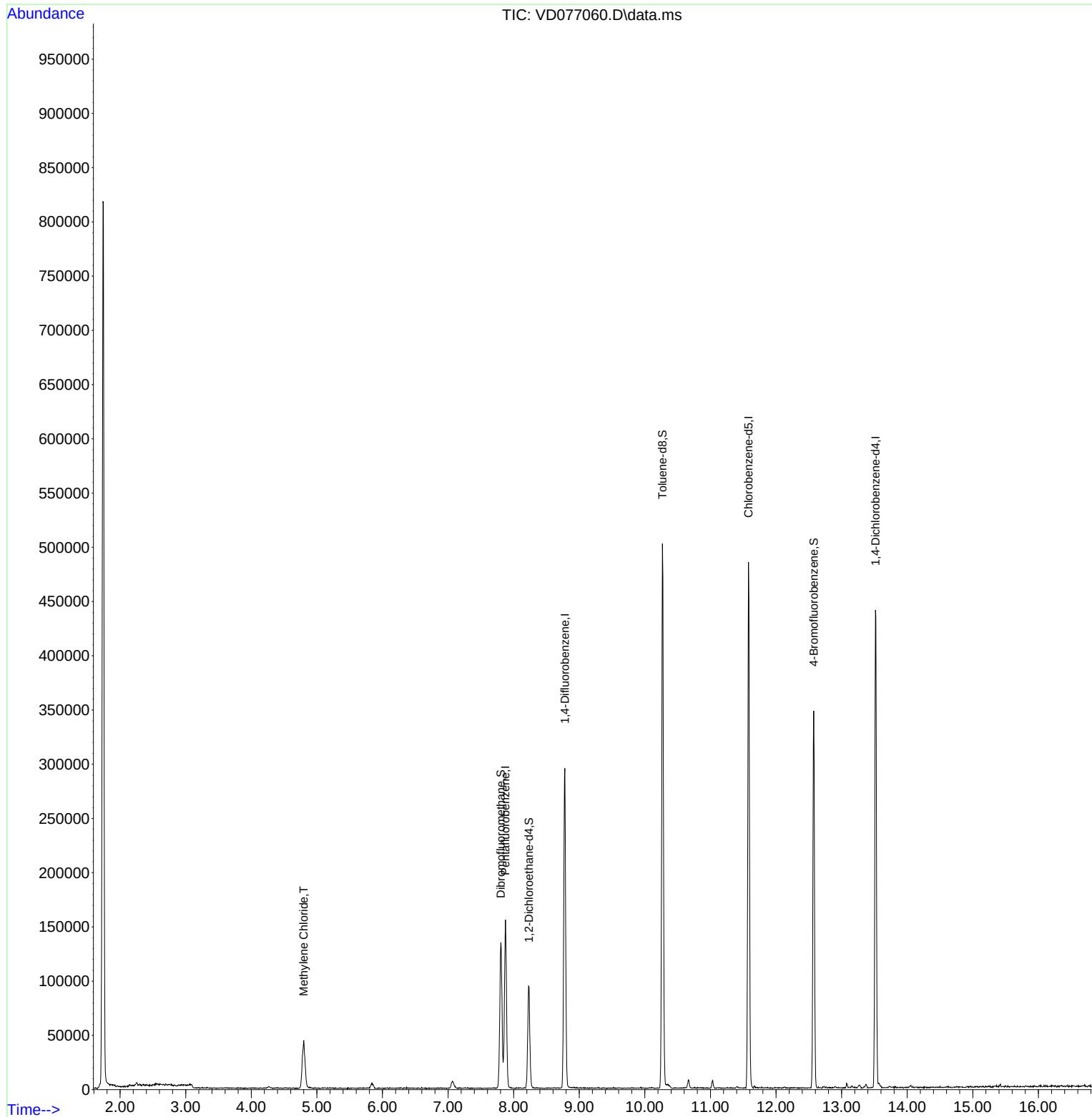
Internal Standards						
1) Pentafluorobenzene	7.875	168	119358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	274936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	297591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72865	62.005	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.000%	
35) Dibromofluoromethane	7.804	113	98462	53.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.220%	
50) Toluene-d8	10.269	98	357371	53.781	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.560%	
62) 4-Bromofluorobenzene	12.574	95	102164	52.148	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.300%	
Target Compounds						
20) Methylene Chloride	4.798	84	36757	19.487	ug/l	Qvalue 91

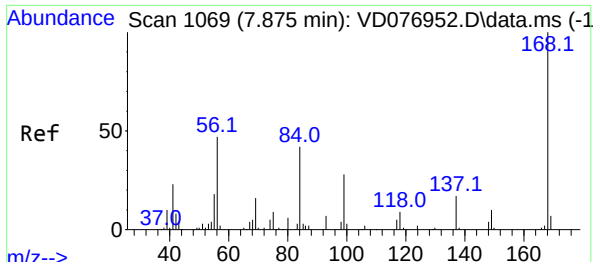
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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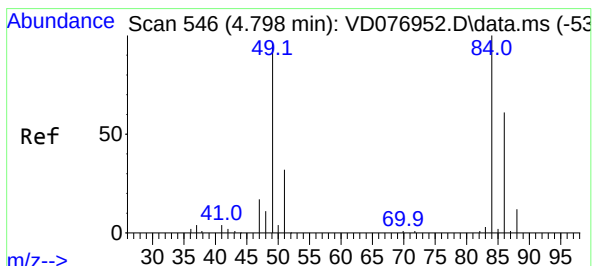
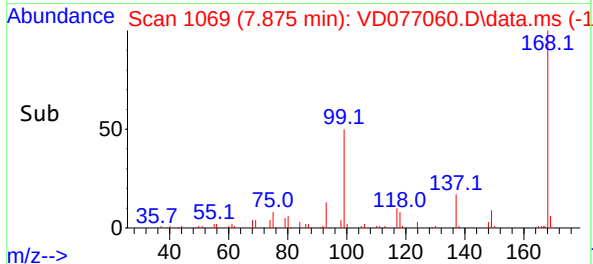
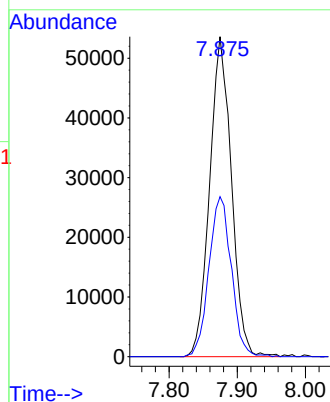
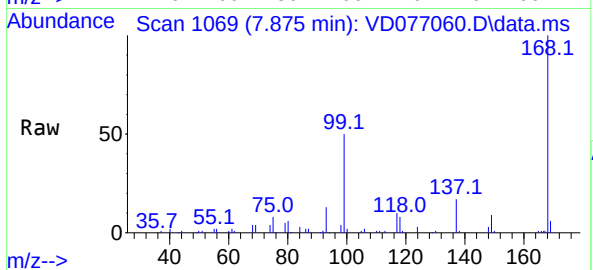




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077060.D
Acq: 29 Aug 2023 14:23

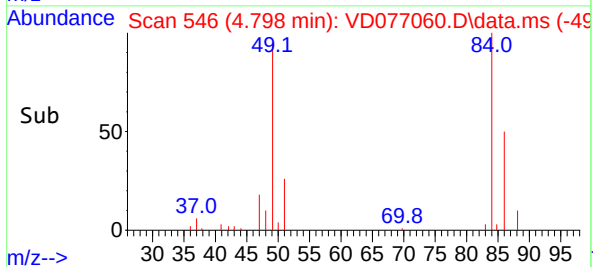
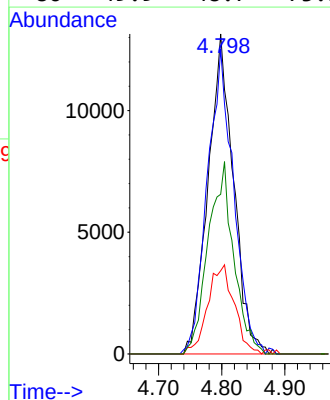
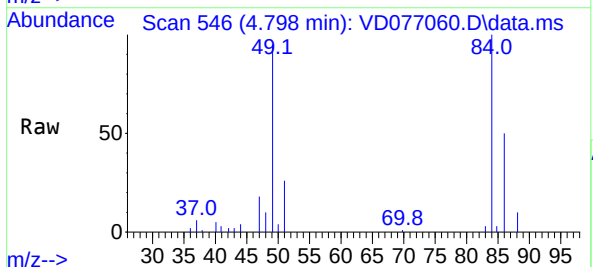
Instrument :
MSVOA_D
ClientSampleId :
OR-345-VOC-03

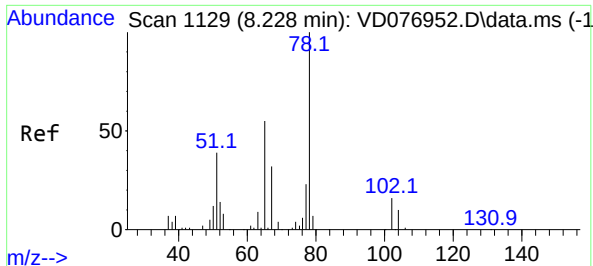
Tgt Ion:168 Resp: 119358
Ion Ratio Lower Upper
168 100
99 50.0 36.7 55.1



#20
Methylene Chloride
Concen: 19.487 ug/l
RT: 4.798 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD077060.D
Acq: 29 Aug 2023 14:23

Tgt Ion: 84 Resp: 36757
Ion Ratio Lower Upper
84 100
49 95.3 71.4 107.2
51 26.0 24.5 36.7
86 49.9 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 62.005 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077060.D

Acq: 29 Aug 2023 14:23

Instrument :

MSVOA_D

ClientSampleId :

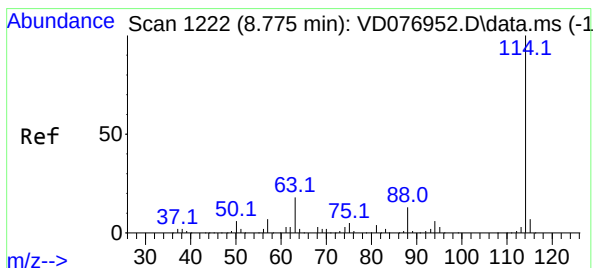
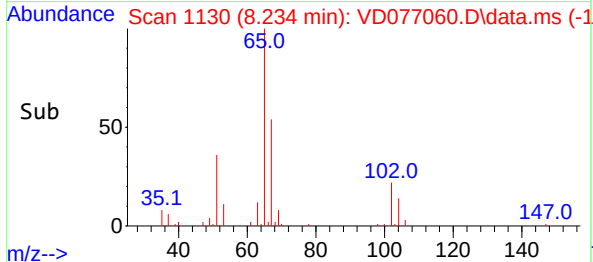
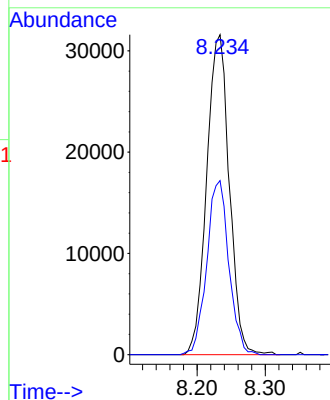
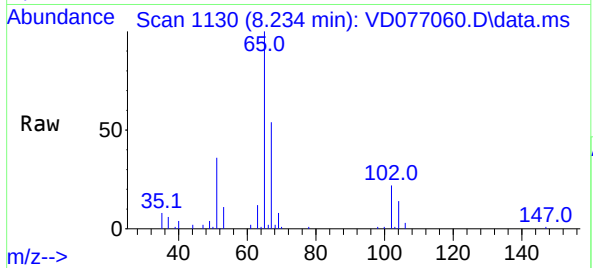
OR-345-VOC-03

Tgt Ion: 65 Resp: 72865

Ion Ratio Lower Upper

65 100

67 53.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077060.D

Acq: 29 Aug 2023 14:23

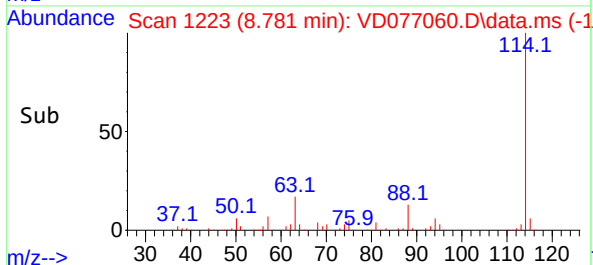
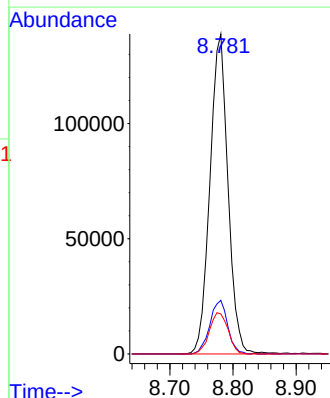
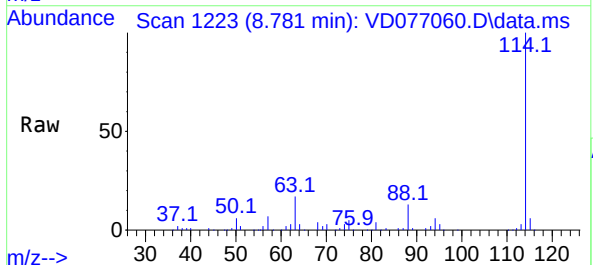
Tgt Ion: 114 Resp: 274936

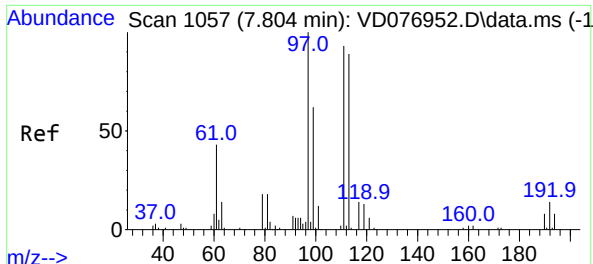
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 12.5 0.0 26.2

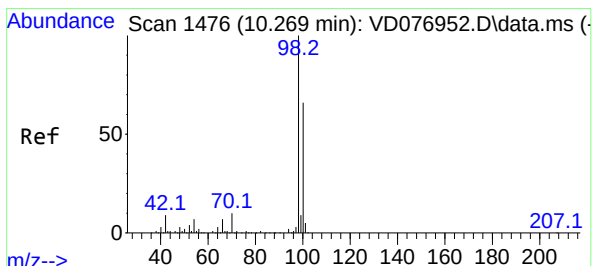
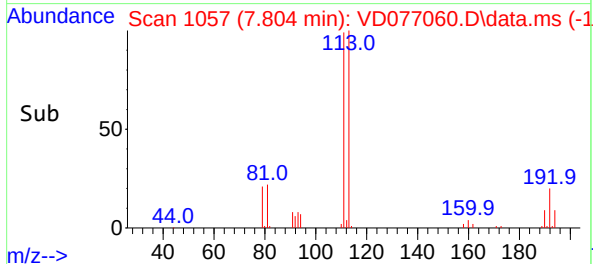
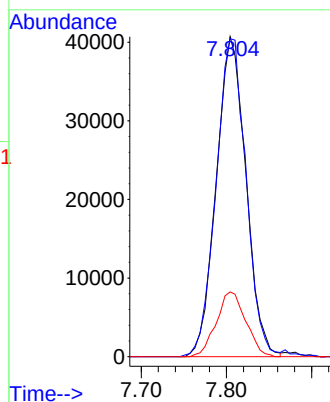
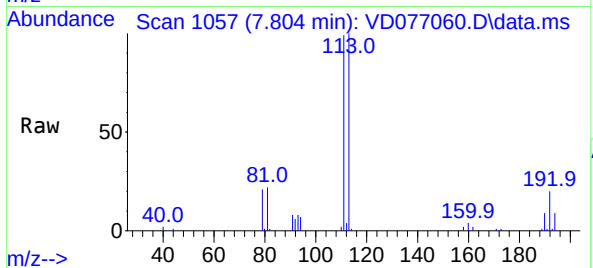




#35
Dibromofluoromethane
Concen: 53.607 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077060.D
Acq: 29 Aug 2023 14:23

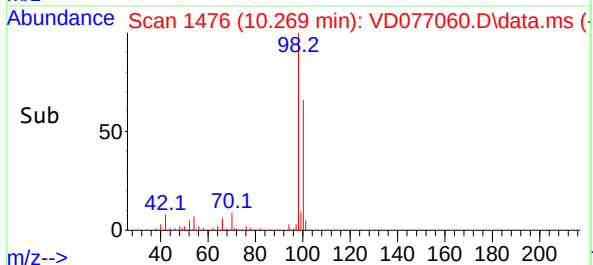
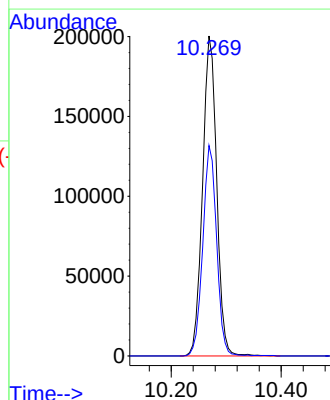
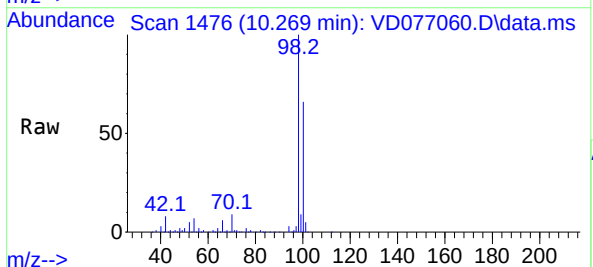
Instrument :
MSVOA_D
ClientSampleId :
OR-345-VOC-03

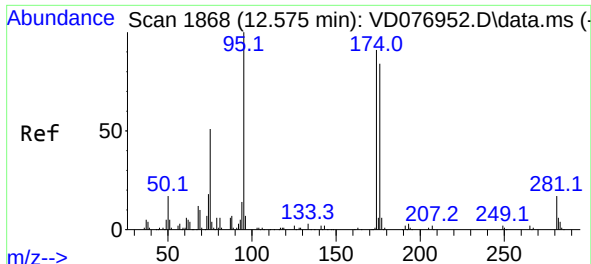
Tgt Ion:113 Resp: 98462
Ion Ratio Lower Upper
113 100
111 101.2 84.7 127.1
192 20.1 16.8 25.2



#50
Toluene-d8
Concen: 53.781 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077060.D
Acq: 29 Aug 2023 14:23

Tgt Ion: 98 Resp: 357371
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5

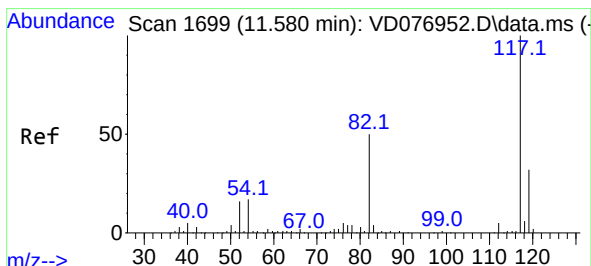
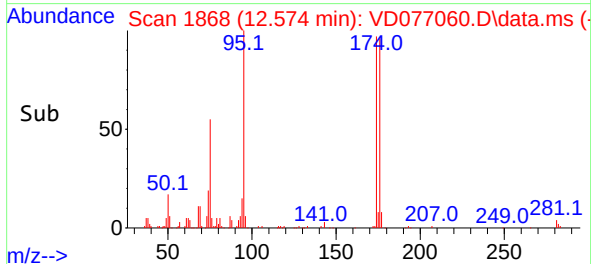
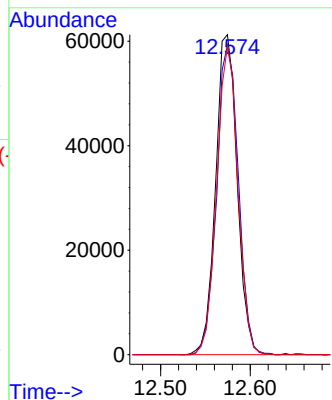
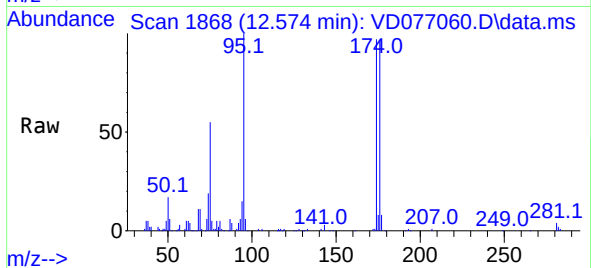




#62
4-Bromofluorobenzene
Concen: 52.148 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD077060.D
Acq: 29 Aug 2023 14:23

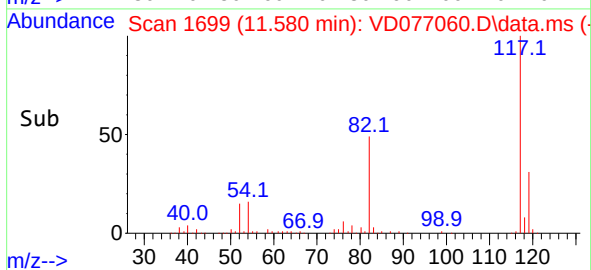
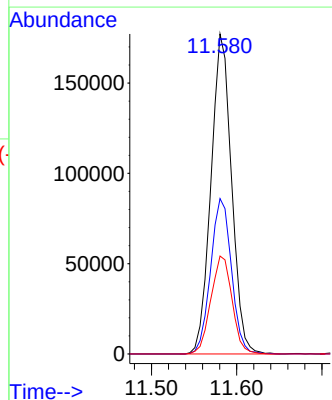
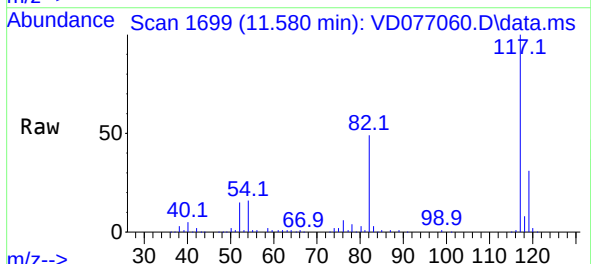
Instrument :
MSVOA_D
ClientSampleId :
OR-345-VOC-03

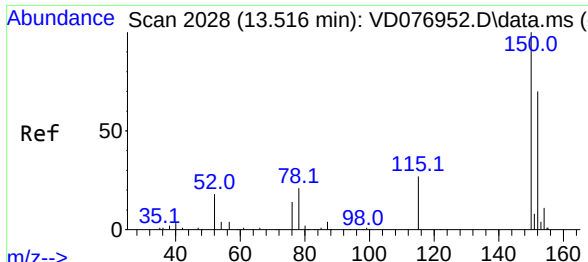
Tgt Ion: 95 Resp: 102164
Ion Ratio Lower Upper
95 100
174 97.5 0.0 201.8
176 94.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077060.D
Acq: 29 Aug 2023 14:23

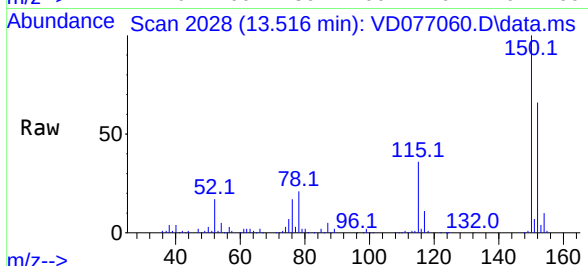
Tgt Ion: 117 Resp: 297591
Ion Ratio Lower Upper
117 100
82 48.6 38.3 57.5
119 30.6 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD077060.D
 Acq: 29 Aug 2023 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-345-VOC-03



Tgt Ion:152 Resp: 128004
 Ion Ratio Lower Upper
 152 100
 115 55.2 27.1 81.3
 150 156.4 0.0 353.6

