

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077062.D
 Acq On : 29 Aug 2023 15:20
 Operator : JC/SY
 Sample : 04196-31
 Misc : 5.20G/5.3ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-345-VOC-05

Quant Time: Aug 29 21:00:25 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)

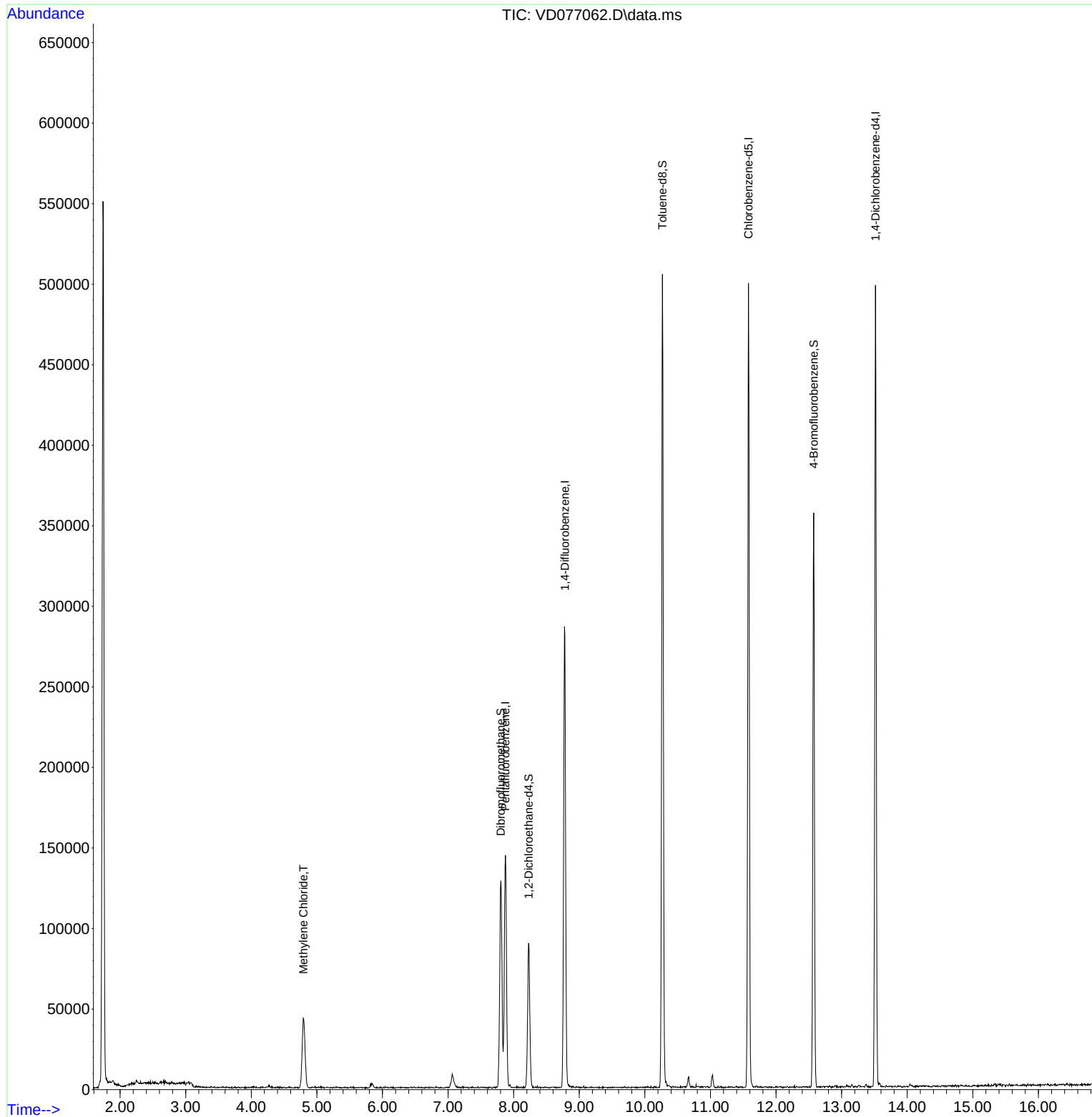
Internal Standards						
1) Pentafluorobenzene	7.875	168	116388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	275094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	297895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70419	61.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.900%	
35) Dibromofluoromethane	7.804	113	94642	51.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.269	98	355696	53.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.000%	
62) 4-Bromofluorobenzene	12.575	95	109361	55.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.580%	
Target Compounds						
20) Methylene Chloride	4.793	84	36732	20.075	ug/l	Qvalue # 97

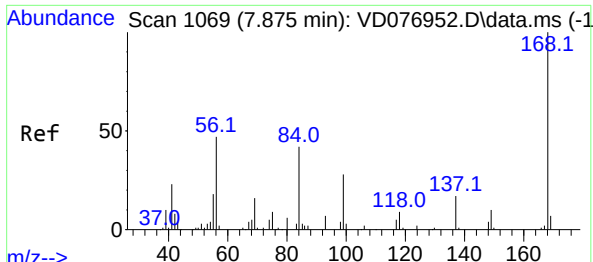
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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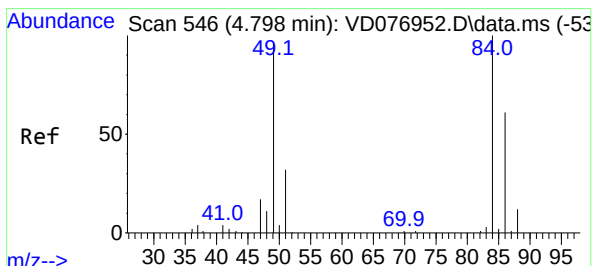
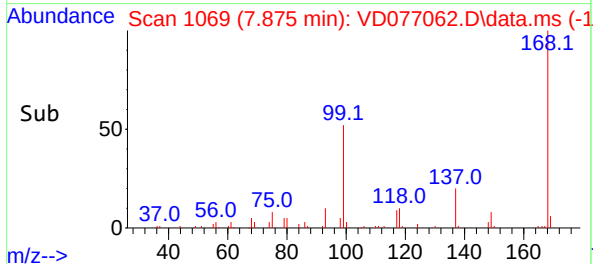
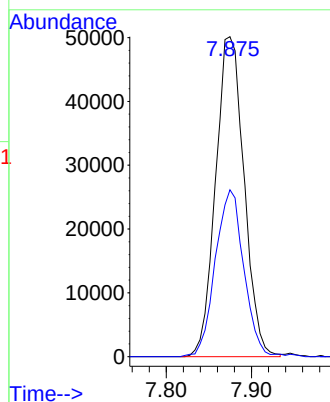
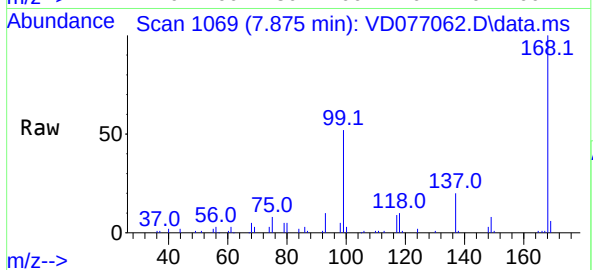




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077062.D
Acq: 29 Aug 2023 15:20

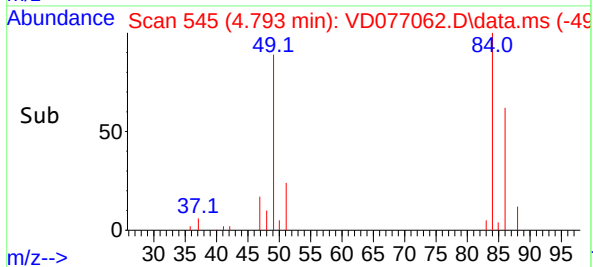
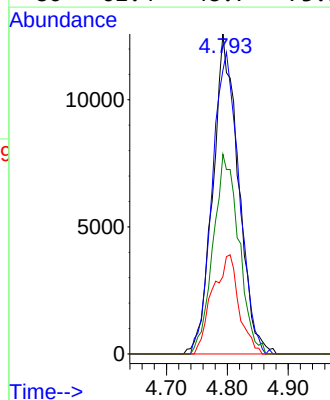
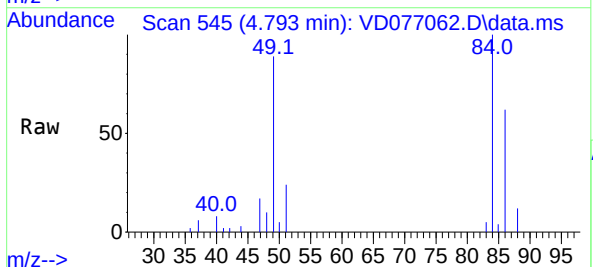
Instrument :
MSVOA_D
ClientSampleId :
OR-345-VOC-05

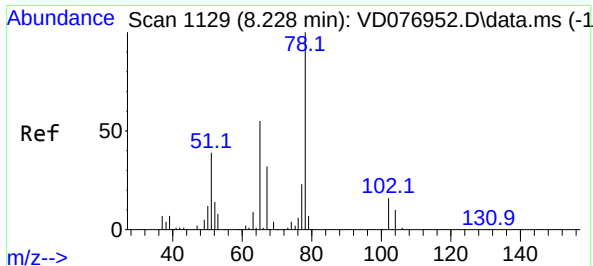
Tgt Ion:168 Resp: 116388
Ion Ratio Lower Upper
168 100
99 52.1 36.7 55.1



#20
Methylene Chloride
Concen: 20.075 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.005 min
Lab File: VD077062.D
Acq: 29 Aug 2023 15:20

Tgt Ion: 84 Resp: 36732
Ion Ratio Lower Upper
84 100
49 88.6 71.4 107.2
51 24.2 24.5 36.7#
86 62.4 48.7 73.1

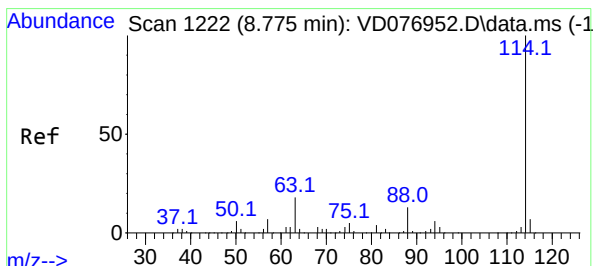
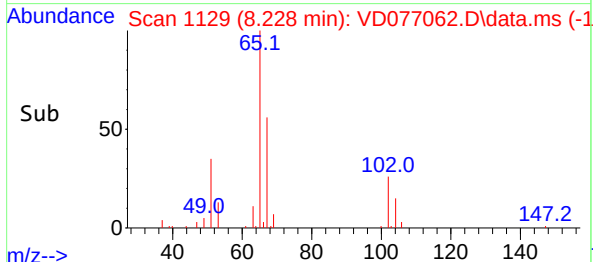
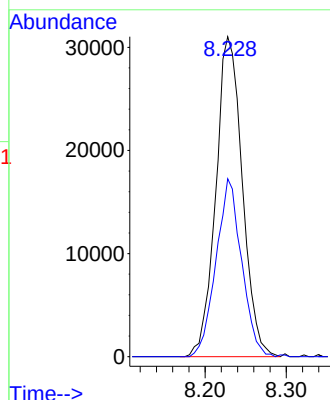
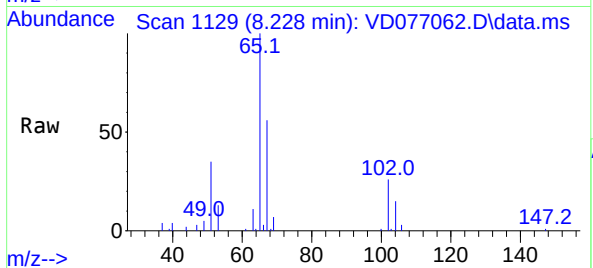




#33
1,2-Dichloroethane-d4
Concen: 61.452 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077062.D
Acq: 29 Aug 2023 15:20

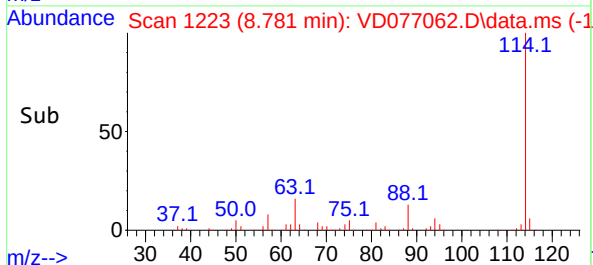
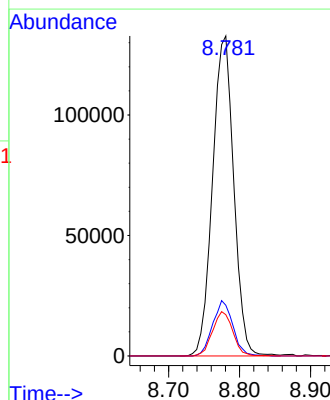
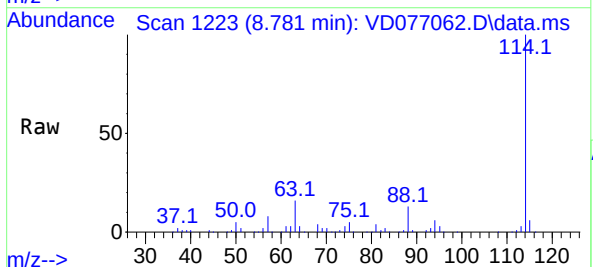
Instrument :
MSVOA_D
ClientSampleId :
OR-345-VOC-05

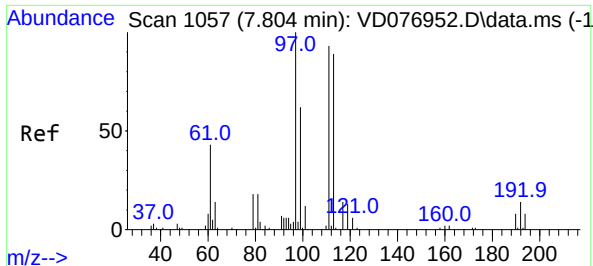
Tgt Ion: 65 Resp: 70419
Ion Ratio Lower Upper
65 100
67 53.6 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077062.D
Acq: 29 Aug 2023 15:20

Tgt Ion: 114 Resp: 275094
Ion Ratio Lower Upper
114 100
63 15.8 0.0 33.4
88 12.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 51.497 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077062.D

Acq: 29 Aug 2023 15:20

Instrument :

MSVOA_D

ClientSampleId :

OR-345-VOC-05

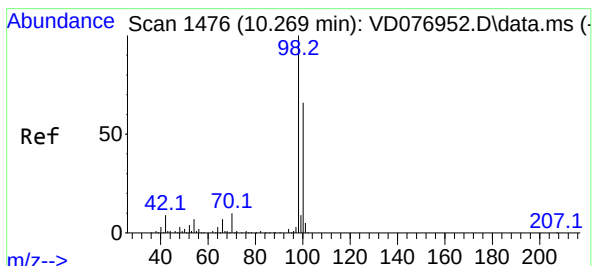
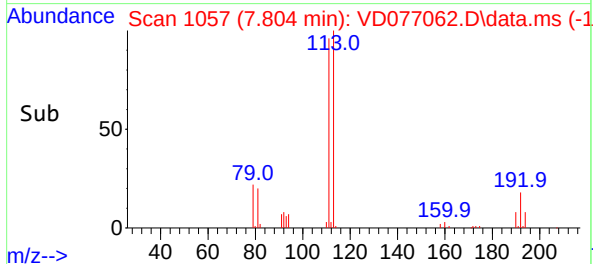
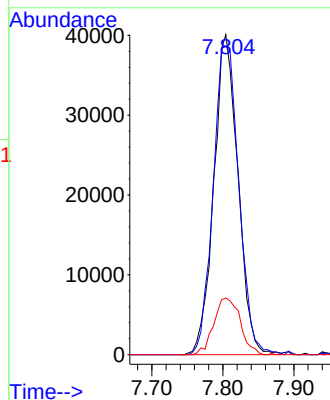
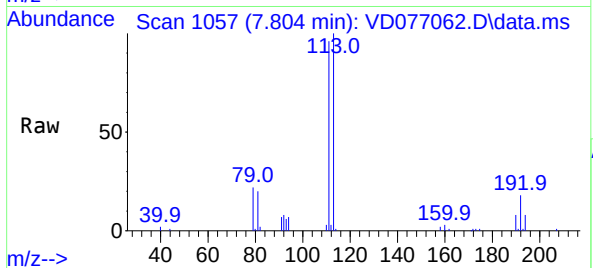
Tgt Ion:113 Resp: 94642

Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

192 19.4 16.8 25.2



#50

Toluene-d8

Concen: 53.498 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077062.D

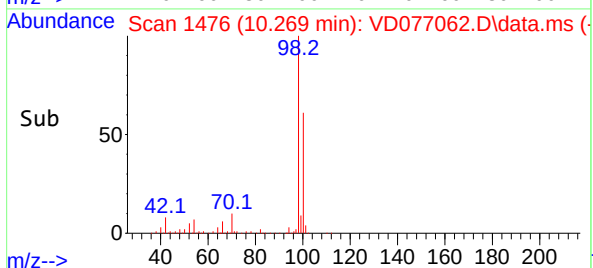
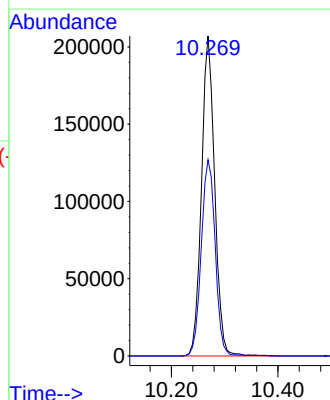
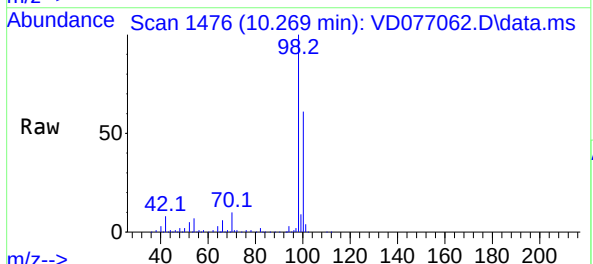
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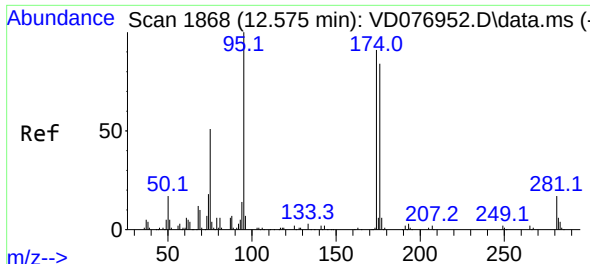
Tgt Ion: 98 Resp: 355696

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

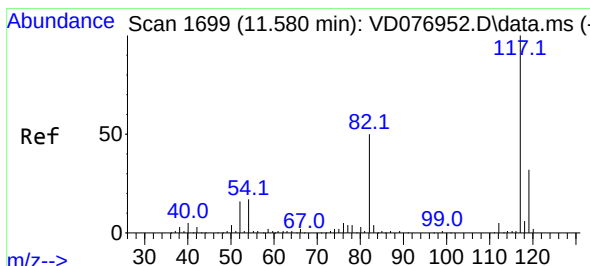
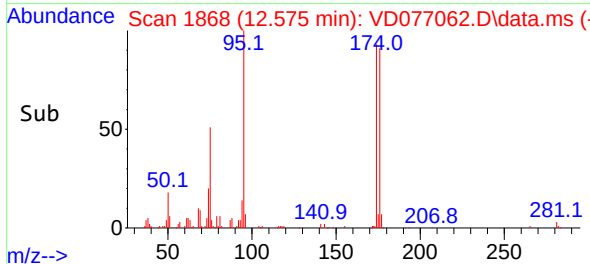
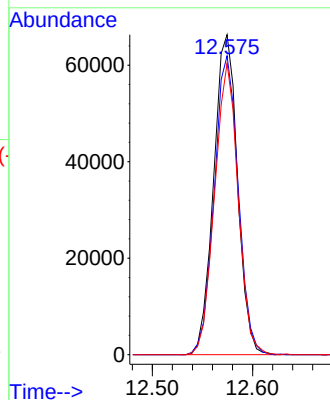
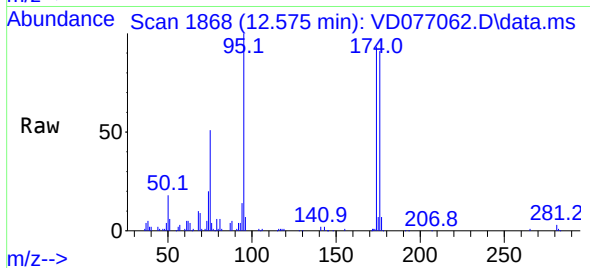




#62
4-Bromofluorobenzene
Concen: 55.789 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077062.D
Acq: 29 Aug 2023 15:20

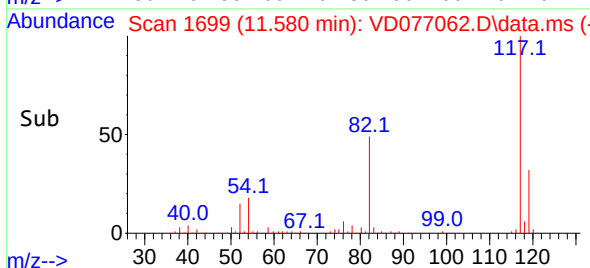
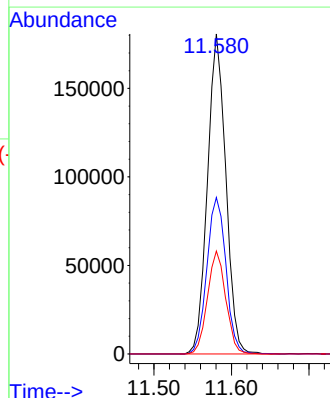
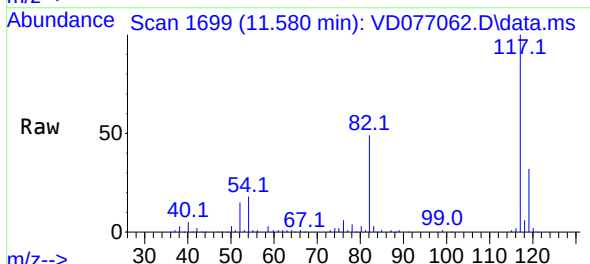
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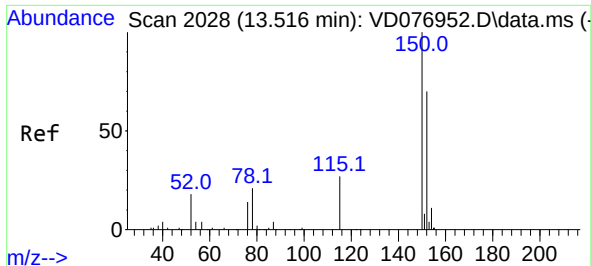
Tgt Ion: 95 Resp: 109361
Ion Ratio Lower Upper
95 100
174 94.4 0.0 201.8
176 89.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077062.D
Acq: 29 Aug 2023 15:20

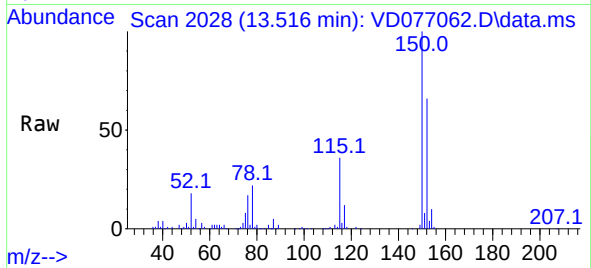
Tgt Ion: 117 Resp: 297895
Ion Ratio Lower Upper
117 100
82 48.9 38.3 57.5
119 32.2 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD077062.D
 Acq: 29 Aug 2023 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-345-VOC-05



Tgt Ion:152 Resp: 137954
 Ion Ratio Lower Upper
 152 100
 115 54.6 27.1 81.3
 150 153.8 0.0 353.6

