

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077067.D
 Acq On : 29 Aug 2023 17:41
 Operator : JC/SY
 Sample : 04198-03
 Misc : 4.52G/5.6ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-309-OK-370-VOC-24

Quant Time: Aug 29 21:01:20 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)

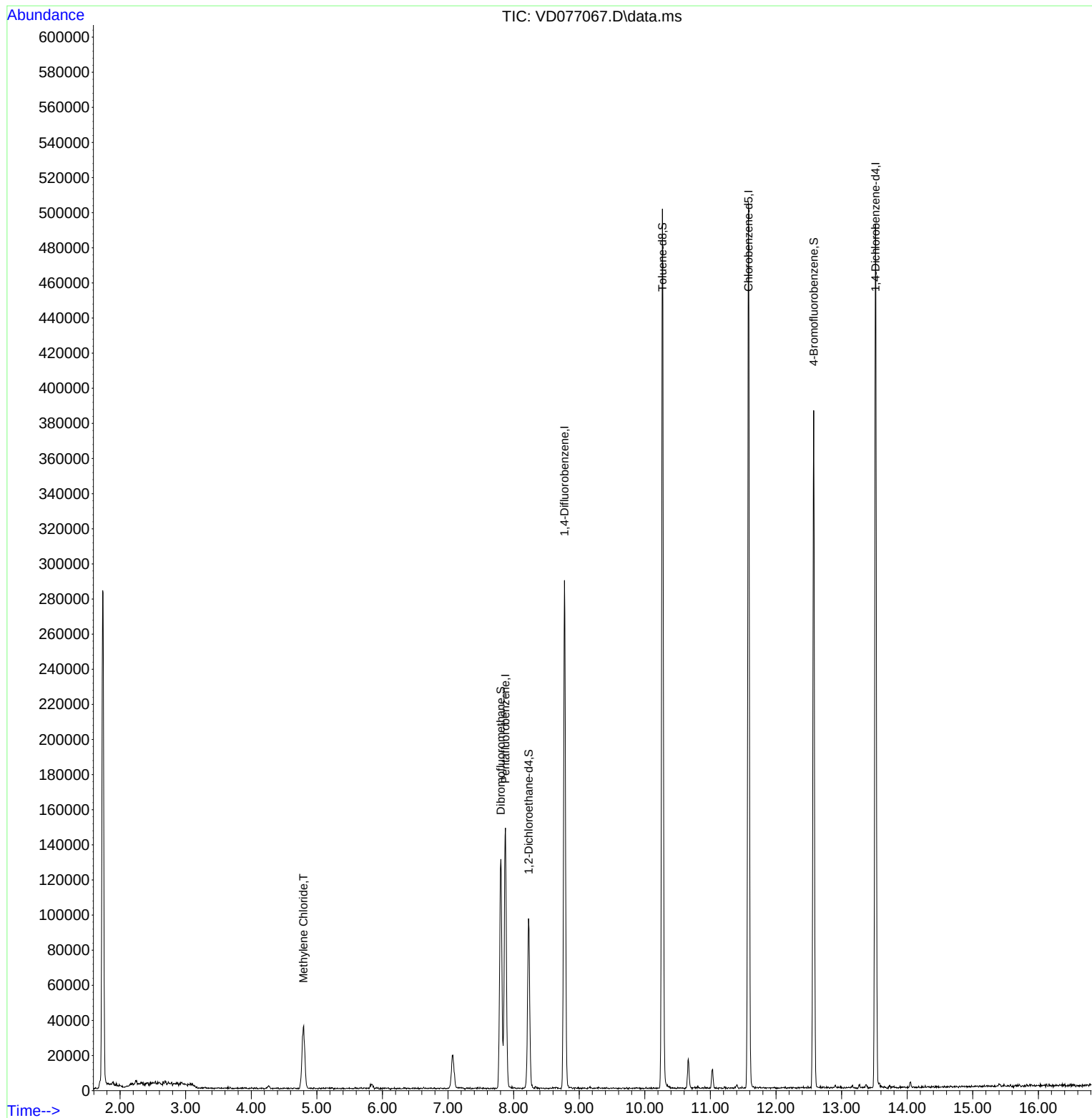
Internal Standards						
1) Pentafluorobenzene	7.875	168	116199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	264758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73987	64.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.340%	
35) Dibromofluoromethane	7.805	113	94438	53.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.780%	
50) Toluene-d8	10.269	98	351913	54.996	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.000%	
62) 4-Bromofluorobenzene	12.575	95	113192	59.998	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 120.000%	
Target Compounds						
20) Methylene Chloride	4.793	84	29269	15.174	ug/l	Qvalue 92

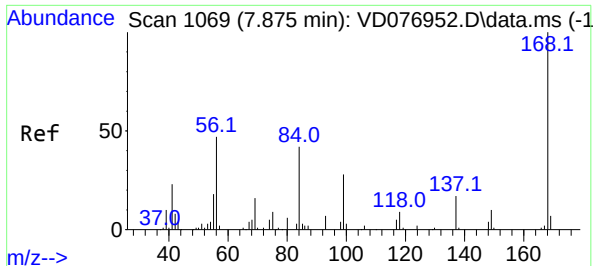
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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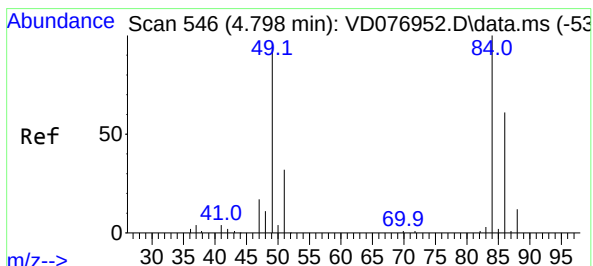
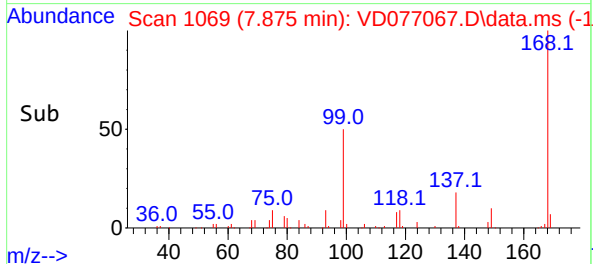
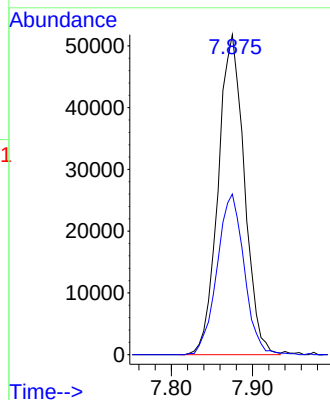
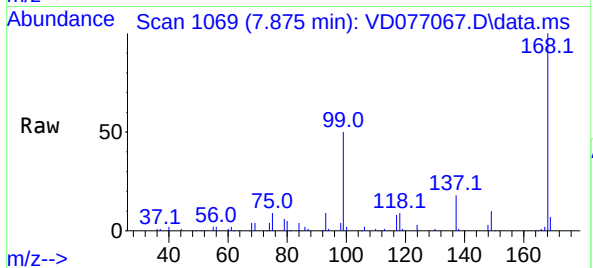




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

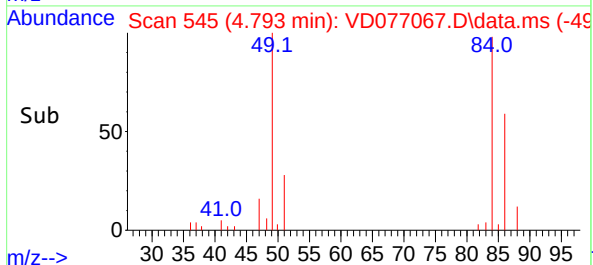
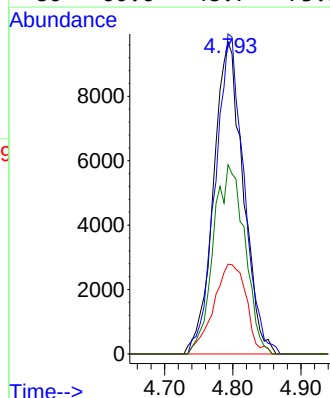
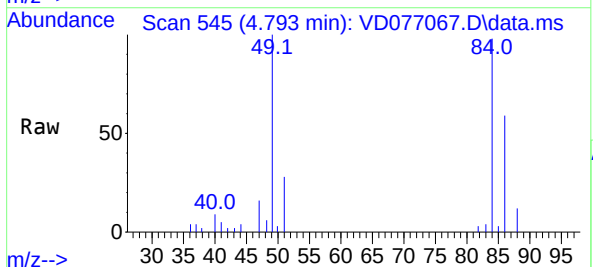
Instrument :
MSVOA_D
ClientSampleId :
OR-309-OK-370-VOC-24

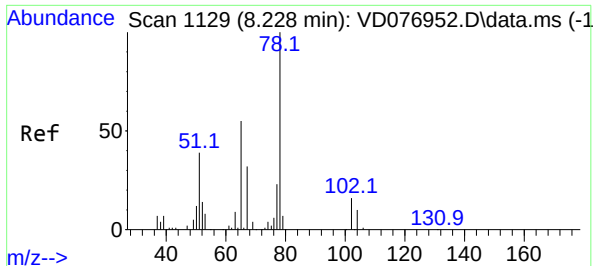
Tgt Ion:168 Resp: 116199
Ion Ratio Lower Upper
168 100
99 50.2 36.7 55.1



#20
Methylene Chloride
Concen: 15.174 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.005 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Tgt Ion: 84 Resp: 29269
Ion Ratio Lower Upper
84 100
49 102.6 71.4 107.2
51 28.8 24.5 36.7
86 60.6 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 64.671 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077067.D

Acq: 29 Aug 2023 17:41

Instrument :

MSVOA_D

ClientSampleId :

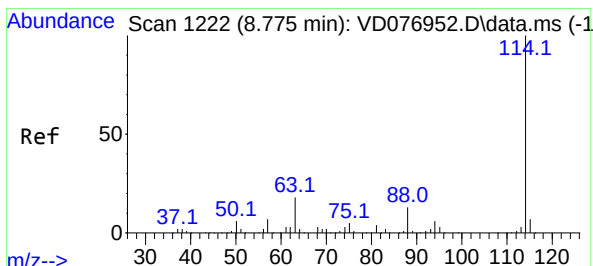
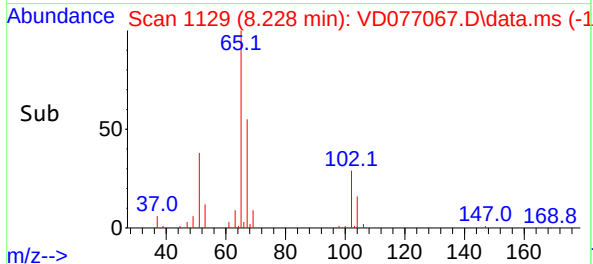
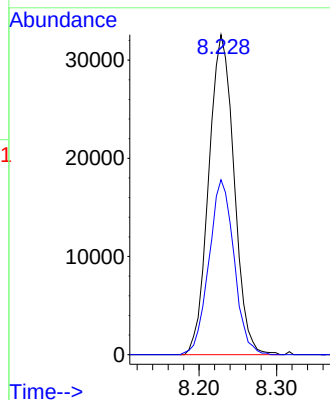
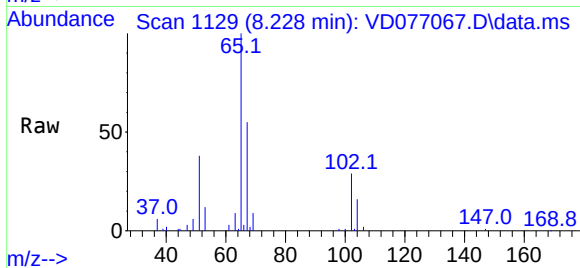
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Tgt Ion: 65 Resp: 73987

Ion Ratio Lower Upper

65 100

67 54.1 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: VD077067.D

Acq: 29 Aug 2023 17:41

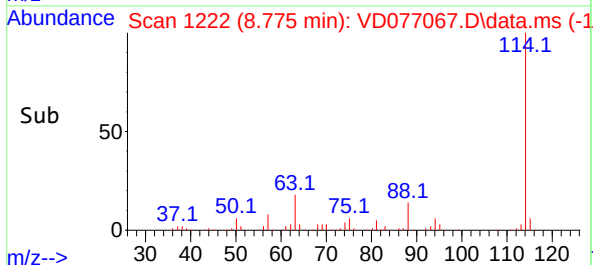
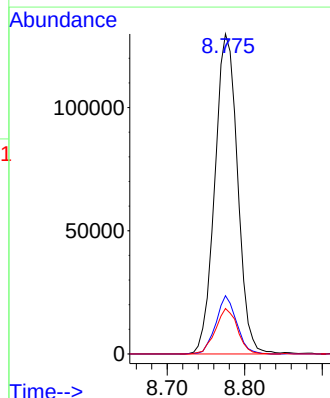
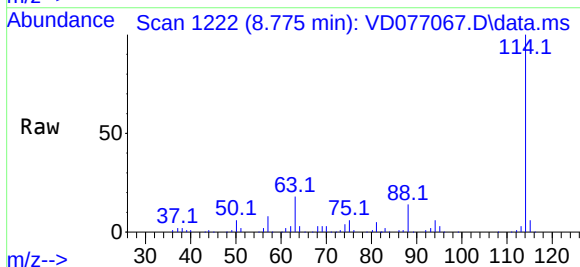
Tgt Ion: 114 Resp: 264758

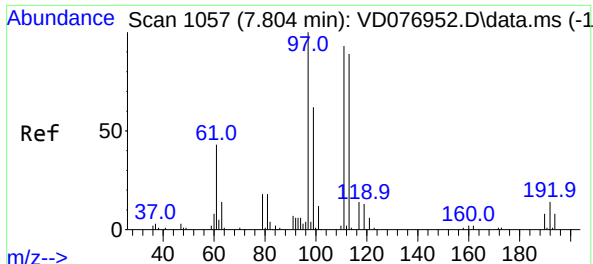
Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.392 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077067.D

Acq: 29 Aug 2023 17:41

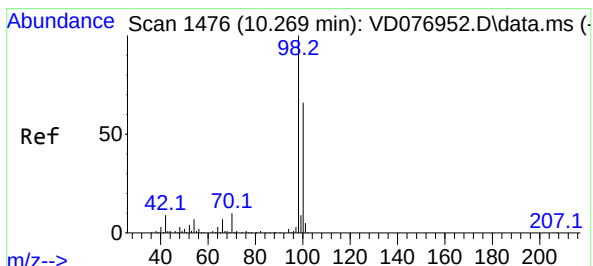
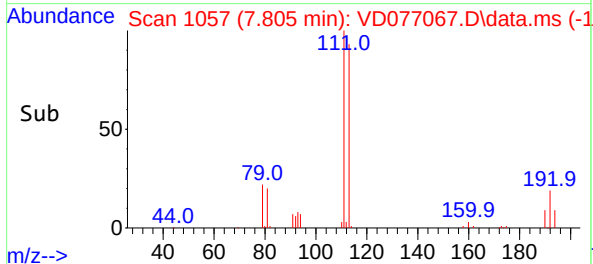
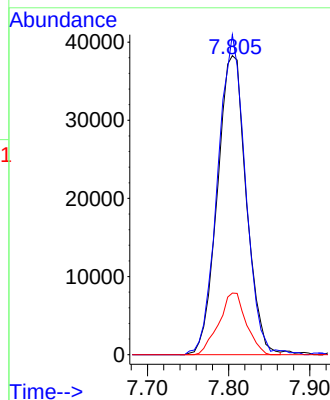
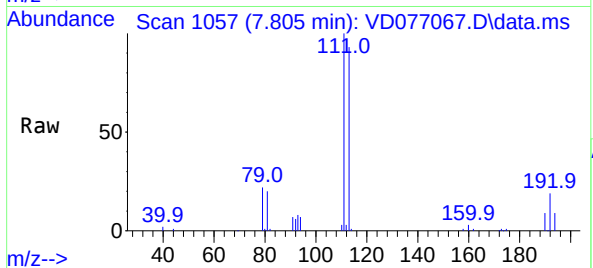
Instrument :

MSVOA_D

ClientSampleId :

OR-309-OK-370-VOC-24

Tgt Ion:113	Resp:	94438
Ion	Ratio	Lower Upper
113	100	
111	103.2	84.7 127.1
192	19.5	16.8 25.2



#50

Toluene-d8

Concen: 54.996 ug/l

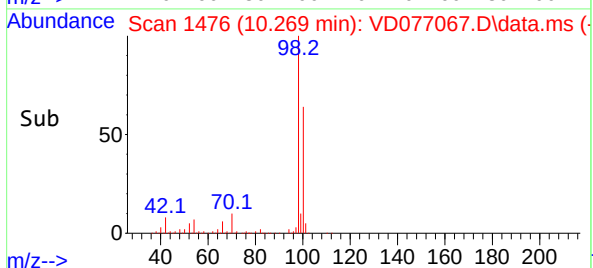
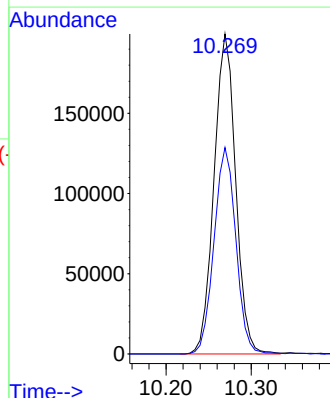
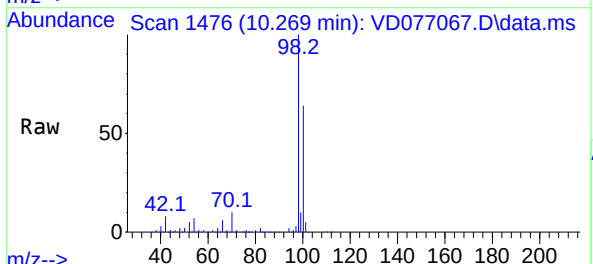
RT: 10.269 min Scan# 1476

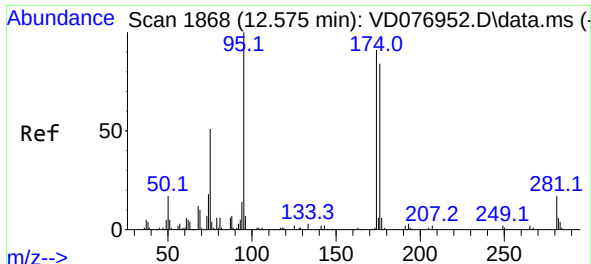
Delta R.T. 0.000 min

Lab File: VD077067.D

Acq: 29 Aug 2023 17:41

Tgt Ion: 98	Resp:	351913
Ion	Ratio	Lower Upper
98	100	
100	65.0	50.3 75.5

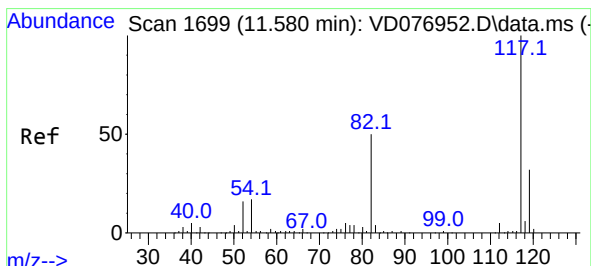
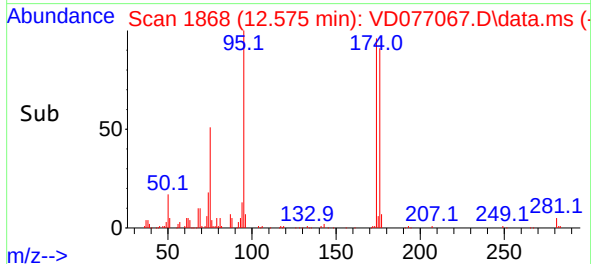
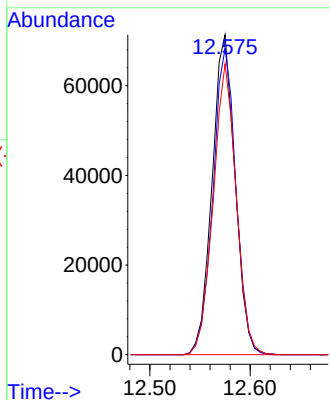
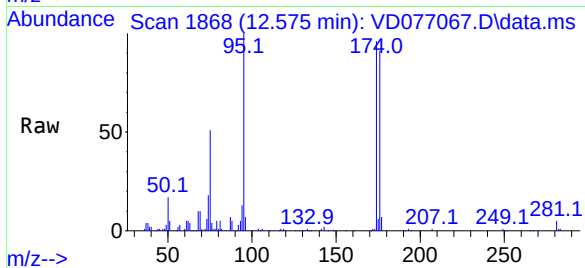




#62
4-Bromofluorobenzene
Concen: 59.998 ug/l
RT: 12.575 min Scan# 113192
Delta R.T. -0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

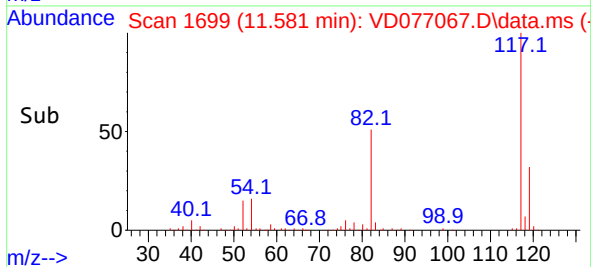
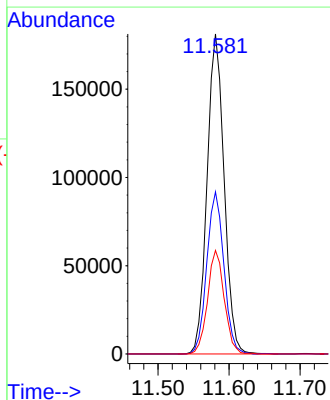
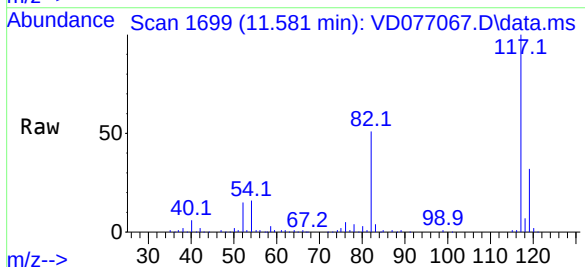
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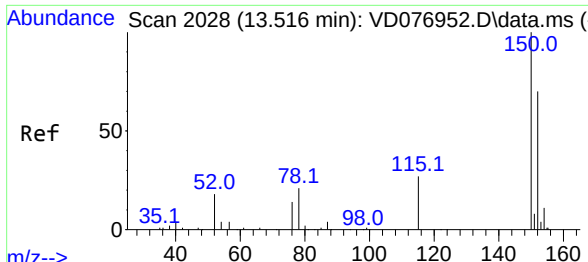
Tgt Ion:	95	Resp:	113192
Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	201.8
176	90.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

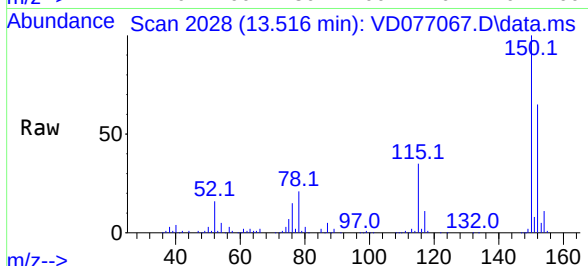
Tgt Ion:	117	Resp:	302285
Ion	Ratio	Lower	Upper
117	100		
82	50.7	38.3	57.5
119	32.3	25.0	37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077067.D
 Acq: 29 Aug 2023 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-309-OK-370-VOC-24



Tgt Ion:152 Resp: 140613

Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.3
150	154.8	0.0	353.6

