

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070742.D
 Acq On : 18 Oct 2021 21:00
 Operator : VA/SY
 Sample : M4248-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-12002

Manual Integrations
 APPROVED

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Quant Time: Oct 19 06:43:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	245763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	483491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	475837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	186522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232487	79.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.740%
35) Dibromofluoromethane	7.915	113	191370	61.816	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.640%
50) Toluene-d8	10.338	98	637507	53.719	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.440%
62) 4-Bromofluorobenzene	12.620	95	192950	47.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.440%

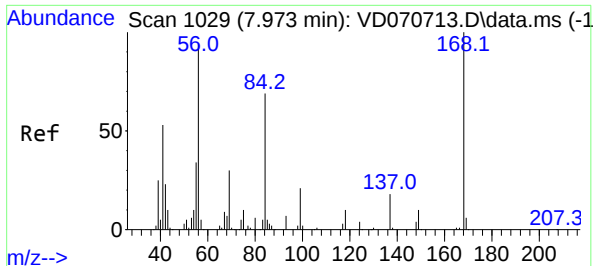
Target Compounds Qvalue

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

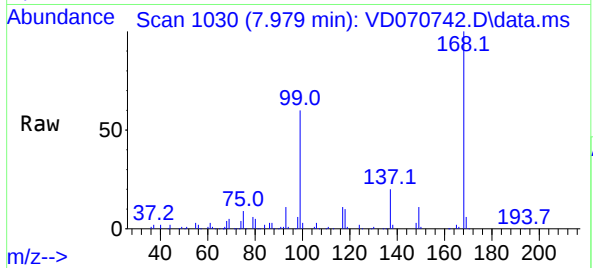
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The chromatogram displays abundance on the y-axis (ranging from 0 to 1,100,000) against time on the x-axis (ranging from 2.00 to 16.00 minutes). The title is 'TIC: VD070742.D\data.ms'. The following table summarizes the labeled peaks:

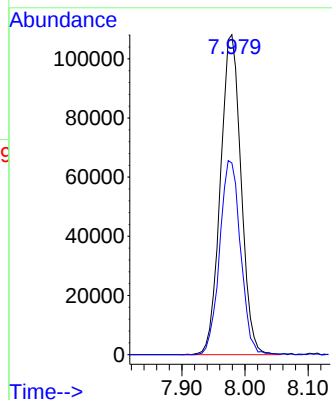
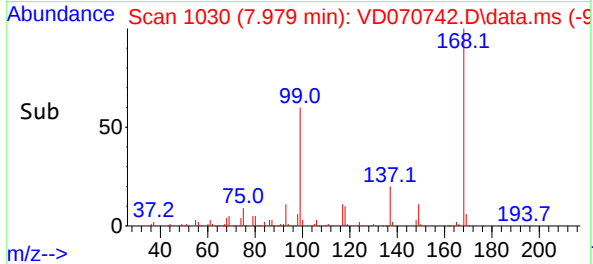
Approximate Time (min)	Compound Label	Approximate Abundance
4.9	Small peak	~40,000
7.9	1,4-Difluorobenzene, I	~610,000
8.1	1,2-Dichloroethane-d4, S	~300,000
8.2	1,4-Difluorobenzene, I	~270,000
8.3	1,2-Dichloroethane-d4, S	~270,000
10.4	Toluene-d8, S	~840,000
11.7	Chlorobenzene-d5, I	~860,000
12.6	4-Bromofluorobenzene, S	~570,000
13.5	1,4-Dichlorobenzene-d4, I	~730,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00



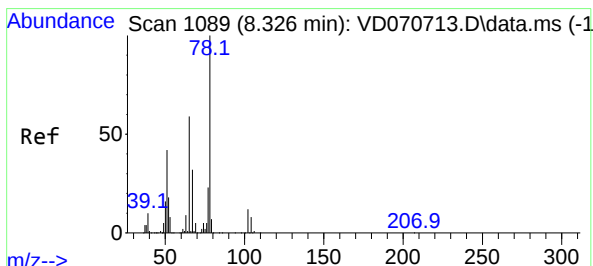
Tgt Ion: 168 Resp: 245763
Ion Ratio Lower Upper
168 100
99 59.9 51.4 77.0



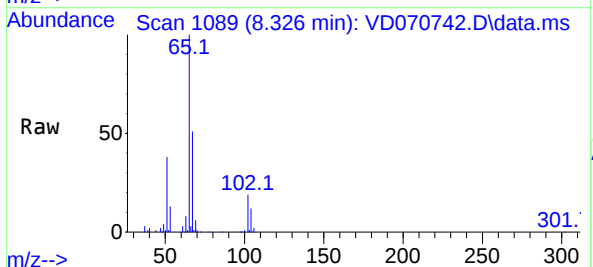
Instrument :
MSVOA_D
ClientSampleId :
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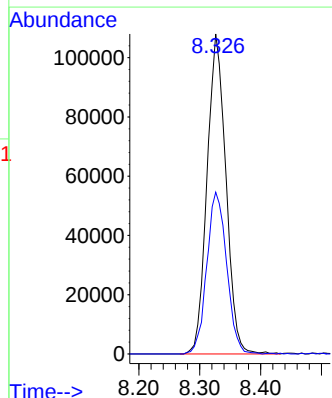
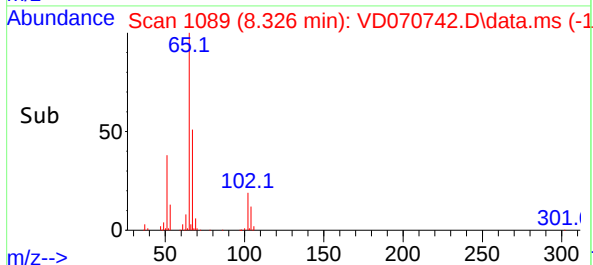
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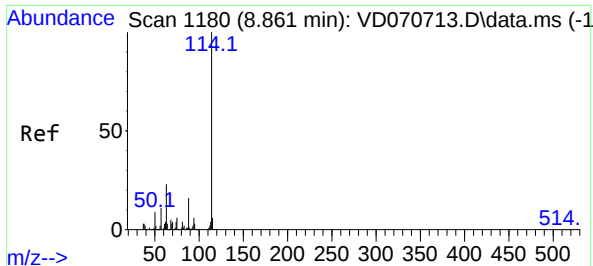


#33
1,2-Dichloroethane-d4
Concen: 79.868 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00



Tgt Ion: 65 Resp: 232487
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.2





#34

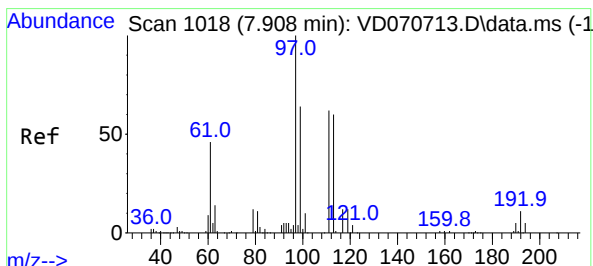
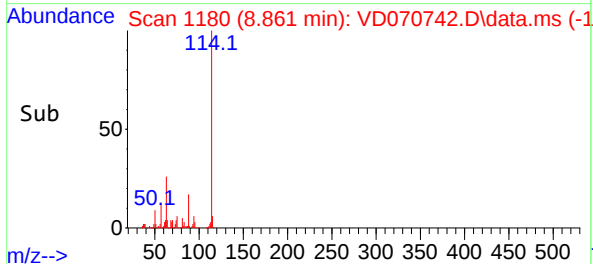
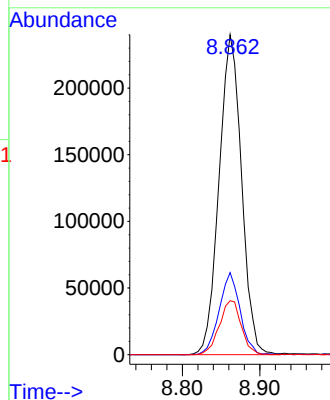
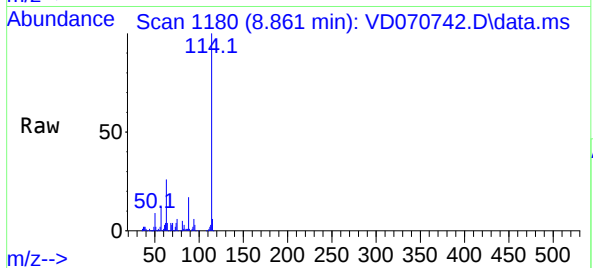
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	41.8
88	16.9	0.0	32.6

Instrument :
MSVOA_D
ClientSampled :
72-12002

Manual Integrations
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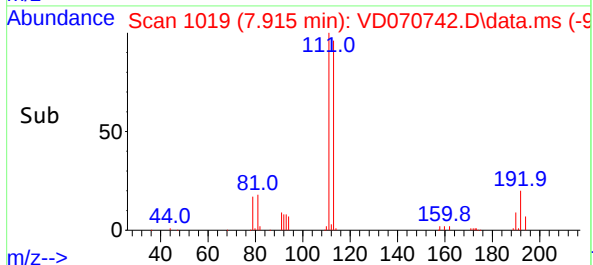
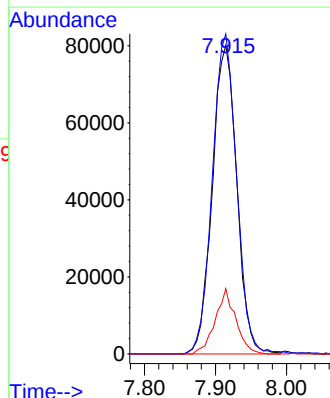
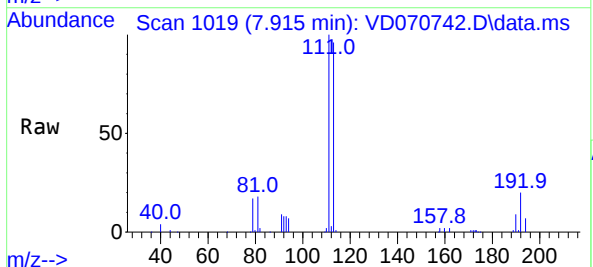
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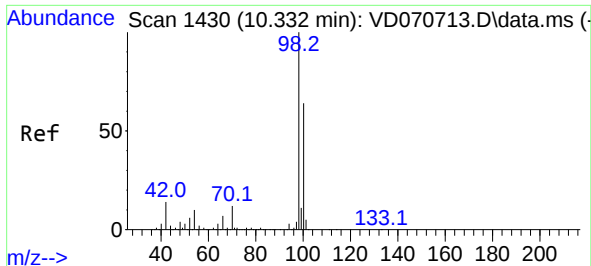


#35

Dibromofluoromethane
Concen: 61.816 ug/l
RT: 7.915 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	17.8	12.7	19.1





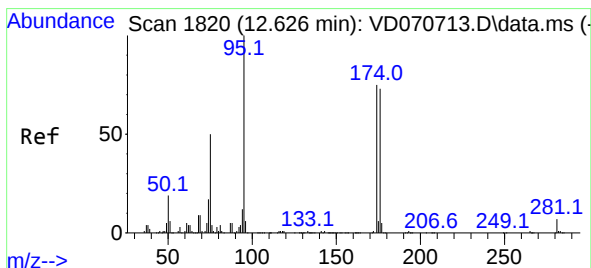
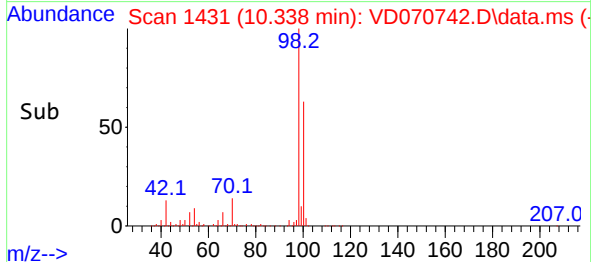
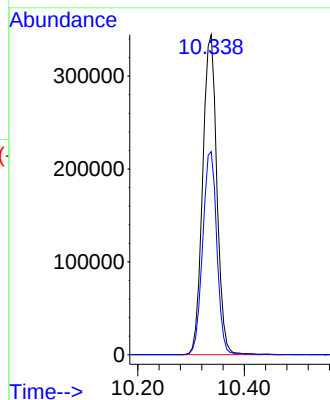
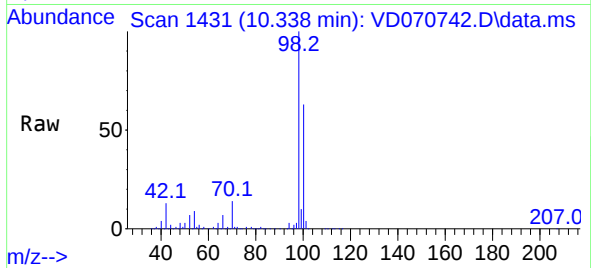
#50
Toluene-d8
Concen: 53.719 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion: 98 Resp: 637507
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4

Instrument :
MSVOA_D
ClientSampleId :
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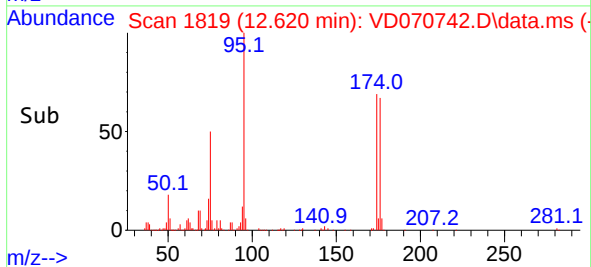
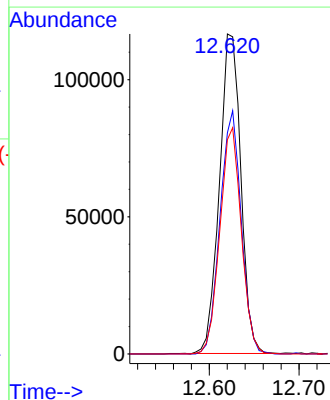
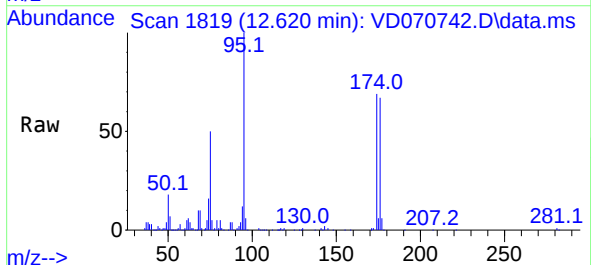
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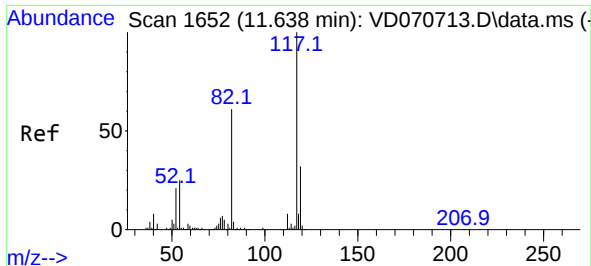
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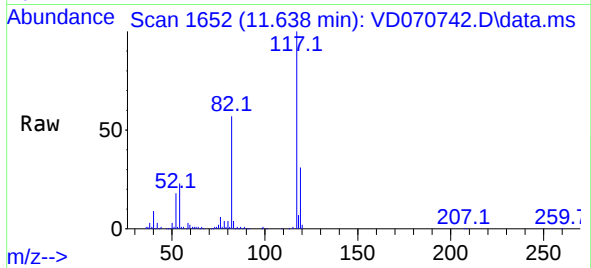
#62
4-Bromofluorobenzene
Concen: 47.219 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00

Tgt Ion: 95 Resp: 192950
Ion Ratio Lower Upper
95 100
174 75.3 0.0 138.0
176 70.9 0.0 135.6

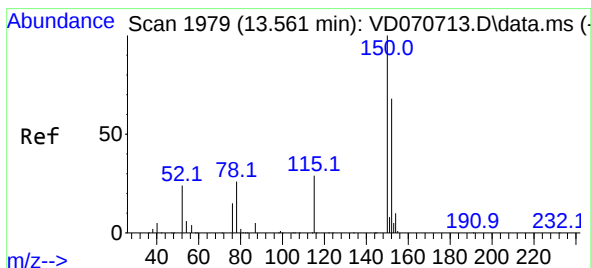
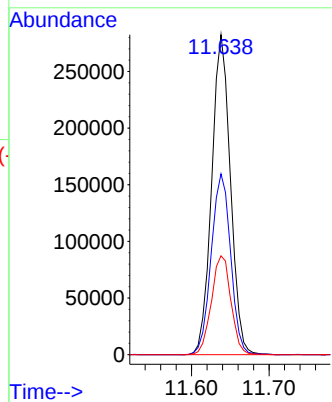
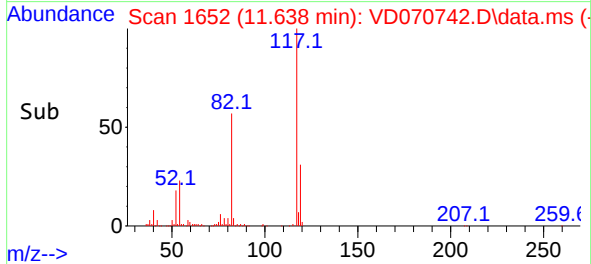




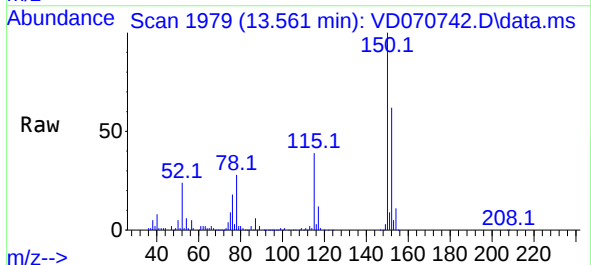
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00



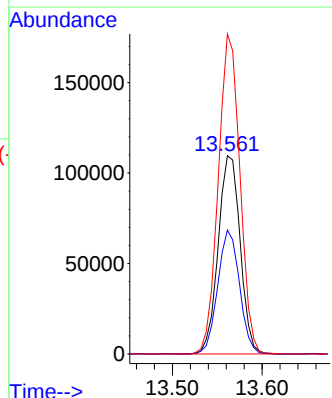
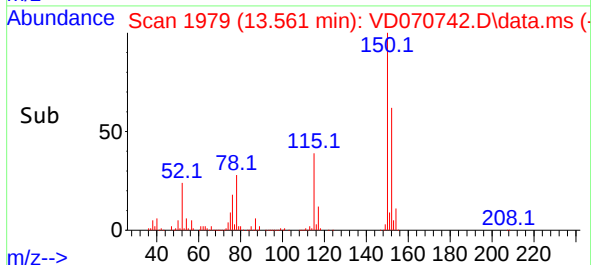
Tgt Ion:117 Resp: 475837
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 30.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070742.D
Acq: 18 Oct 2021 21:00



Tgt Ion:152 Resp: 186522
Ion Ratio Lower Upper
152 100
115 61.8 31.9 95.7
150 158.9 0.0 350.0



Instrument :
MSVOA_D
ClientSampleId :
72-12002

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