

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061923\  
 Data File : VD076469.D  
 Acq On : 19 Jun 2023 14:41  
 Operator : KP/SY  
 Sample : 03262-04  
 Misc : 4.77G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WS-SOIL2-0615

Quant Time: Jun 20 05:25:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	222544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	385163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	338920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	104034	46.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.320%
35) Dibromofluoromethane	7.799	113	110212	48.167	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.340%
50) Toluene-d8	10.269	98	431457	49.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.440%
62) 4-Bromofluorobenzene	12.575	95	128434	45.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.200%

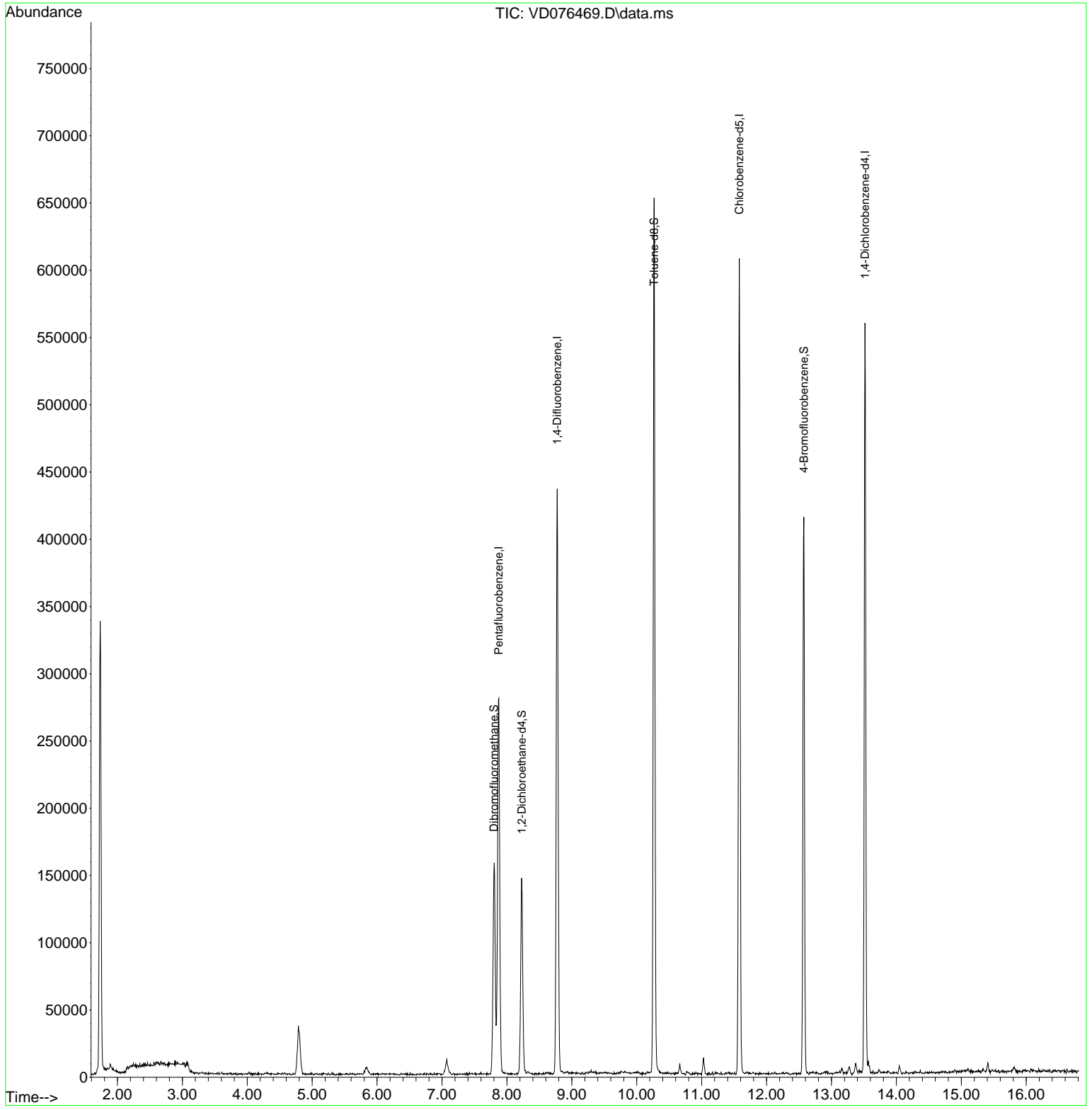
Target Compounds Qvalue

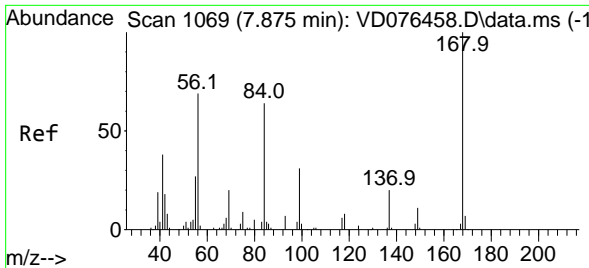
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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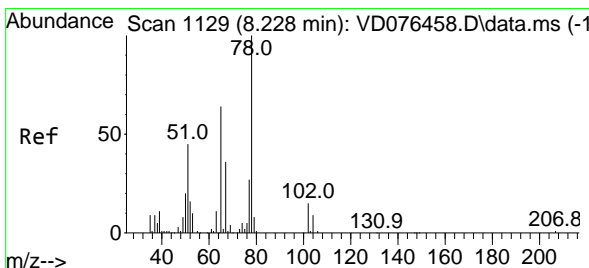
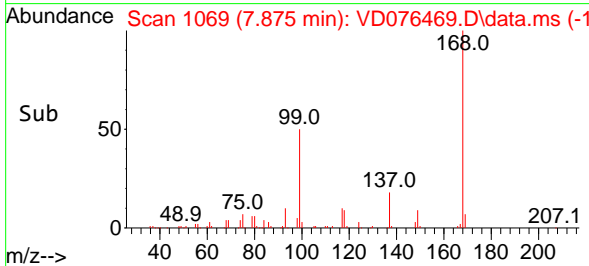
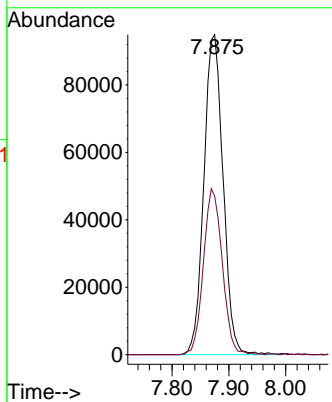
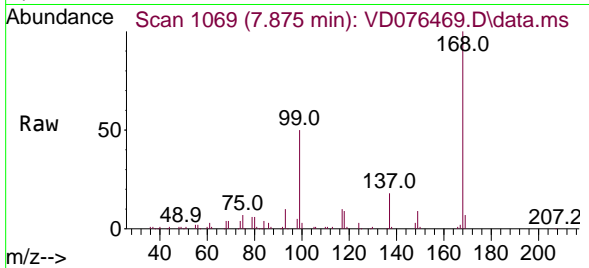




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.875 min Scan# 1069  
 Delta R.T. 0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

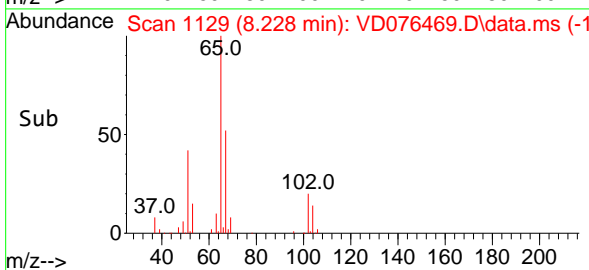
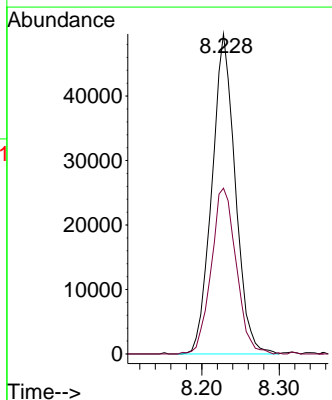
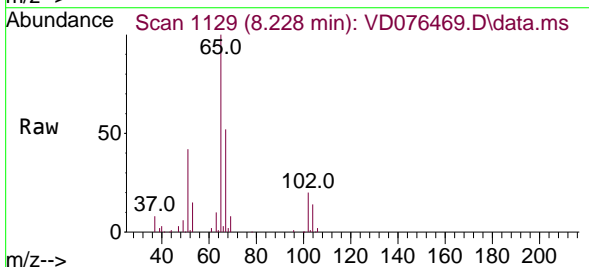
Instrument : MSVOA\_D  
 ClientSampleId : WS-SOIL2-0615

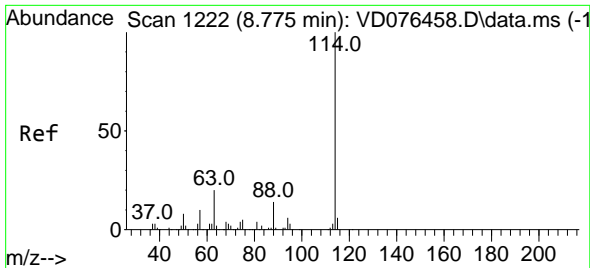
Tgt Ion:168 Resp: 222544  
 Ion Ratio Lower Upper  
 168 100  
 99 49.5 36.7 55.1



#33  
 1,2-Dichloroethane-d4  
 Concen: 46.658 ug/l  
 RT: 8.228 min Scan# 1129  
 Delta R.T. -0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

Tgt Ion: 65 Resp: 104034  
 Ion Ratio Lower Upper  
 65 100  
 67 55.4 0.0 115.0

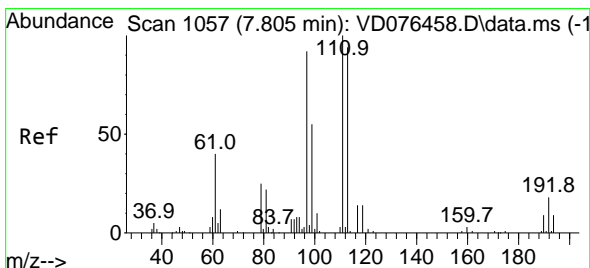
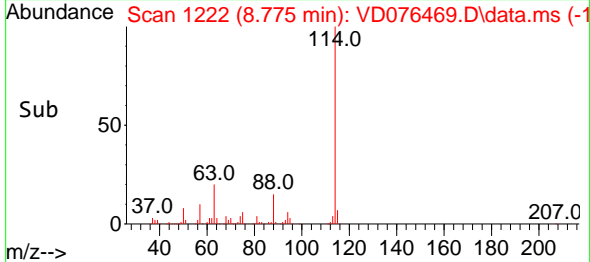
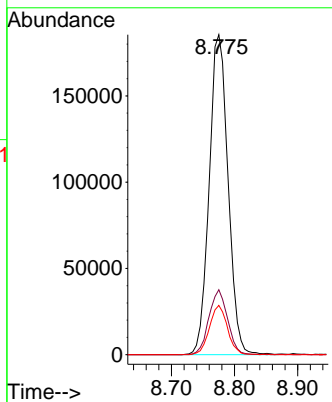
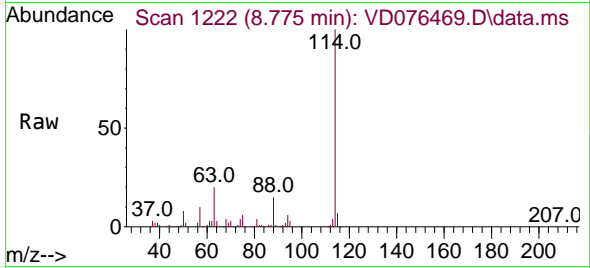




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.775 min Scan# 1111  
 Delta R.T. -0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

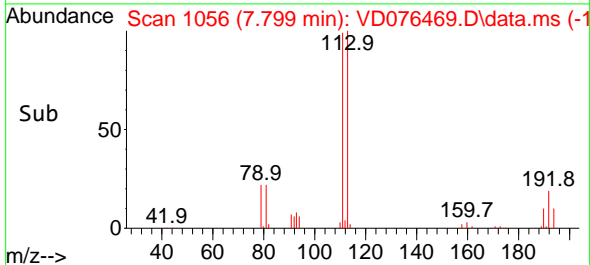
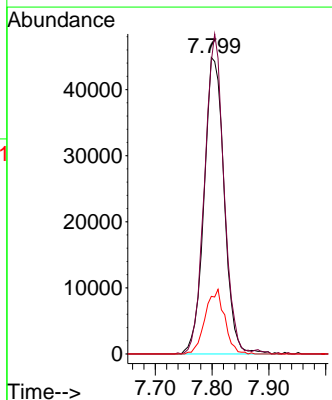
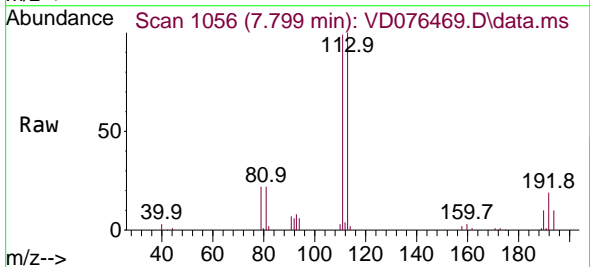
Instrument : MSVOA\_D  
 ClientSampleId : WS-SOIL2-0615

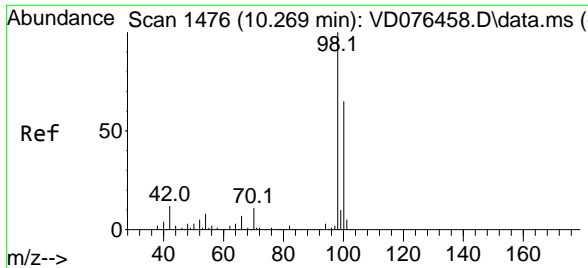
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.3	0.0	33.4
88	15.4	0.0	26.2



#35  
 Dibromofluoromethane  
 Concen: 48.167 ug/l  
 RT: 7.799 min Scan# 1056  
 Delta R.T. -0.006 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.4	84.7	127.1
192	21.1	16.8	25.2

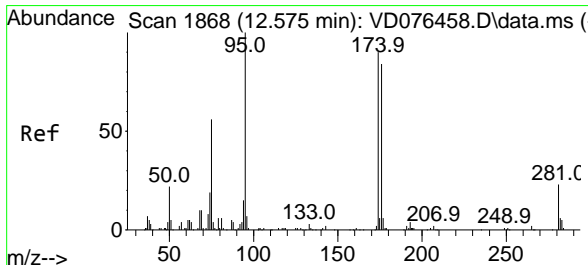
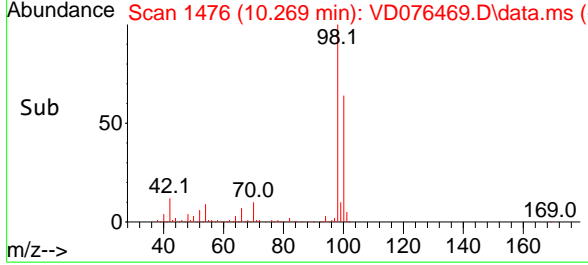
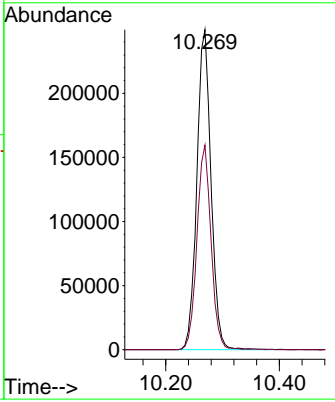
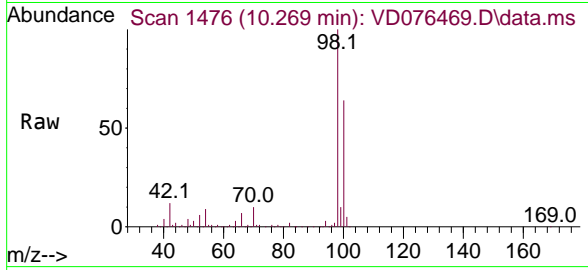




#50  
 Toluene-d8  
 Concen: 49.721 ug/l  
 RT: 10.269 min Scan# 1476  
 Delta R.T. -0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

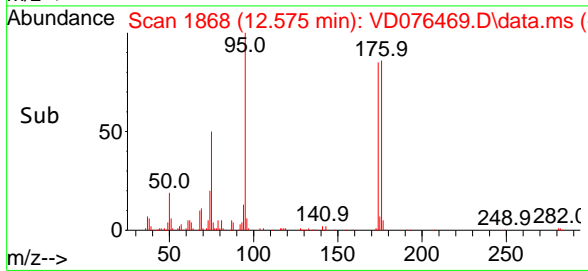
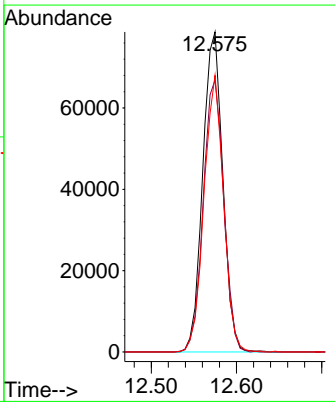
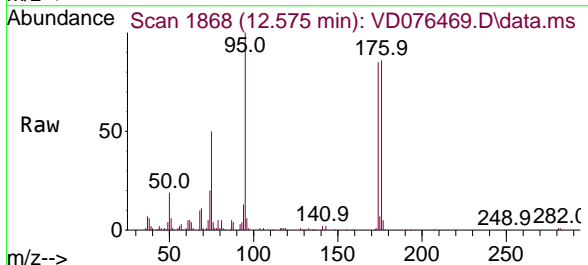
Instrument : MSVOA\_D  
 ClientSampleId : WS-SOIL2-0615

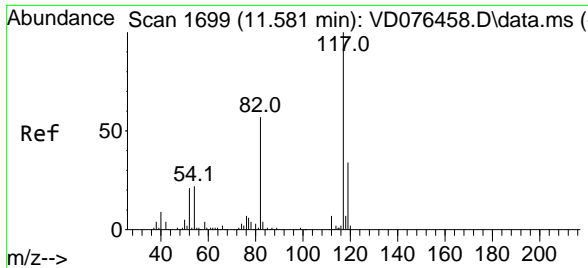
Tgt Ion: 98 Resp: 431457  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 50.3 75.5



#62  
 4-Bromofluorobenzene  
 Concen: 45.604 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

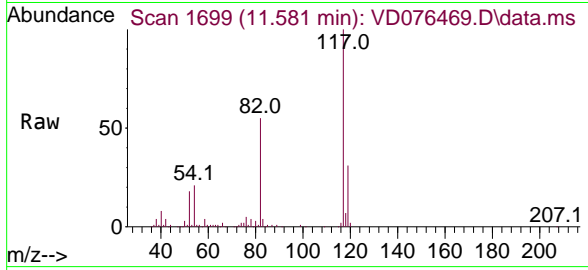
Tgt Ion: 95 Resp: 128434  
 Ion Ratio Lower Upper  
 95 100  
 174 87.0 0.0 201.8  
 176 84.5 0.0 191.8





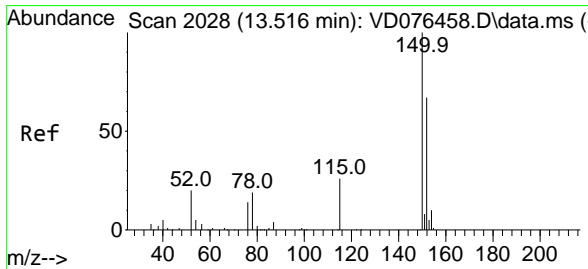
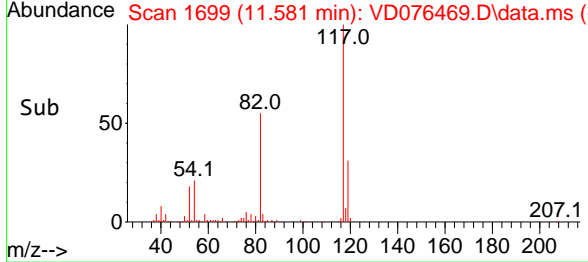
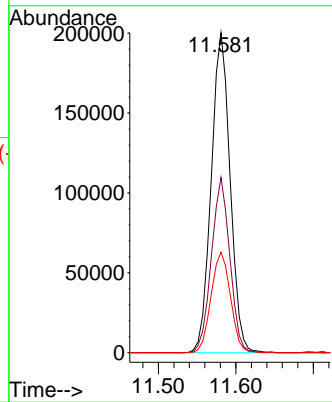
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.581 min Scan# 1699  
 Delta R.T. -0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41

Instrument : MSVOA\_D  
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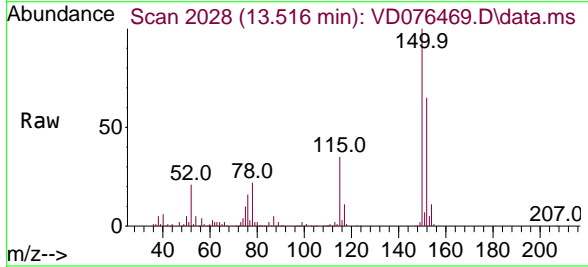


Tgt Ion:117 Resp: 338920

Ion	Ratio	Lower	Upper
117	100		
82	54.8	38.3	57.5
119	31.4	25.0	37.4



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 2028  
 Delta R.T. -0.000 min  
 Lab File: VD076469.D  
 Acq: 19 Jun 2023 14:41



Tgt Ion:152 Resp: 147028

Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.1	81.3
150	157.1	0.0	353.6

