

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075301.D
 Acq On : 09 Feb 2023 18:30
 Operator : KP/SY
 Sample : 01508-05
 Misc : 4.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 UST-4

Quant Time: Feb 10 02:05:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

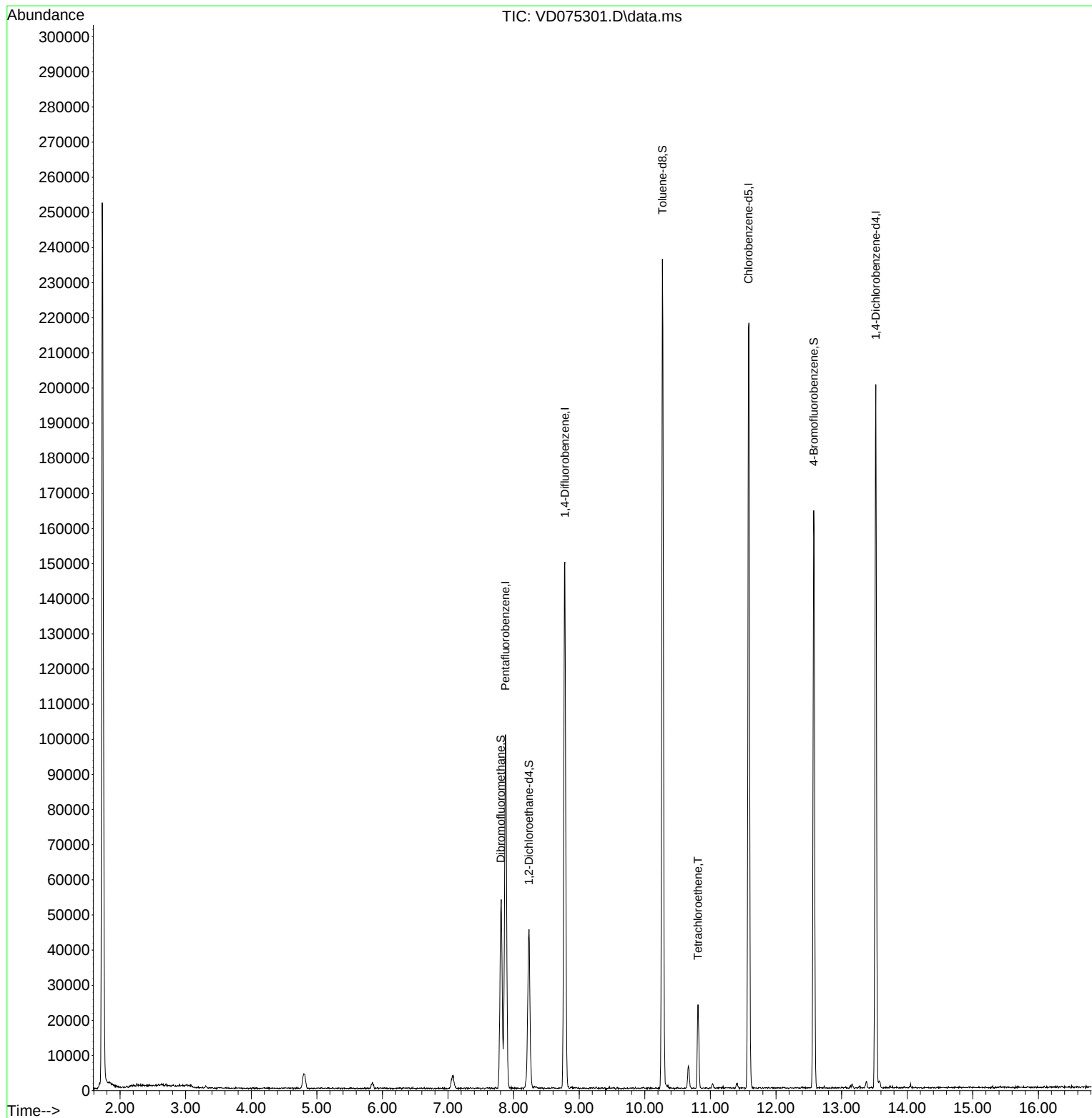
Internal Standards						
1) Pentafluorobenzene	7.875	168	72767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	127464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	121539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	49997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34528	40.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.940%
35) Dibromofluoromethane	7.805	113	38604	43.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.380%
50) Toluene-d8	10.269	98	155227	45.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.600%
62) 4-Bromofluorobenzene	12.575	95	49690	44.460	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.920%
Target Compounds						
64) Tetrachloroethene	10.810	164	4721	5.043	ug/l	Qvalue 94

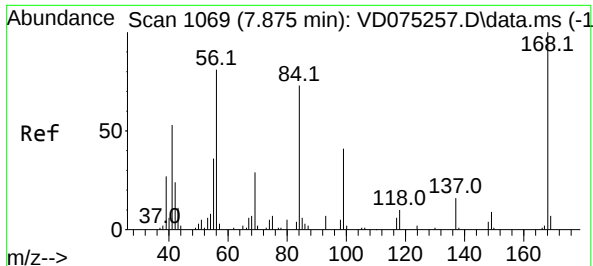
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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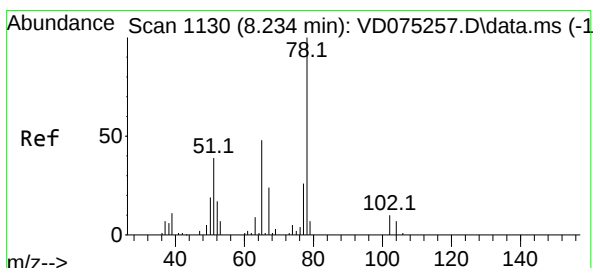
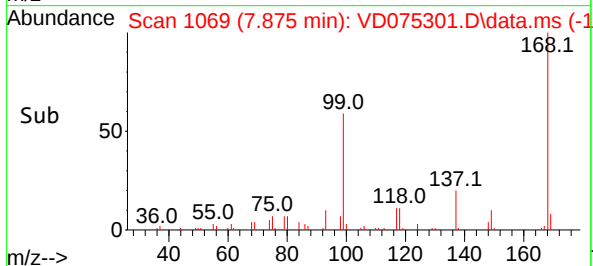
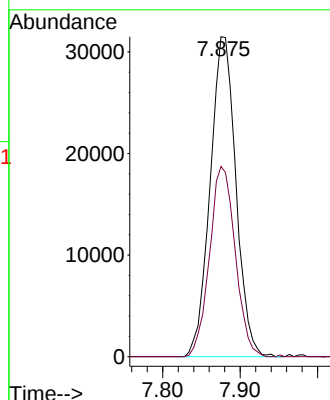
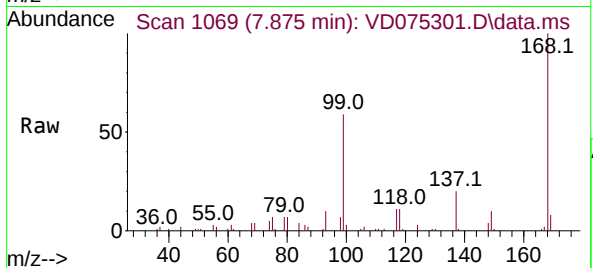




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

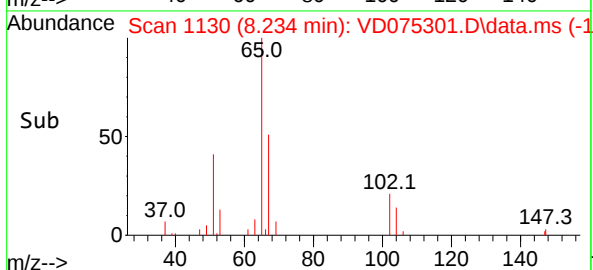
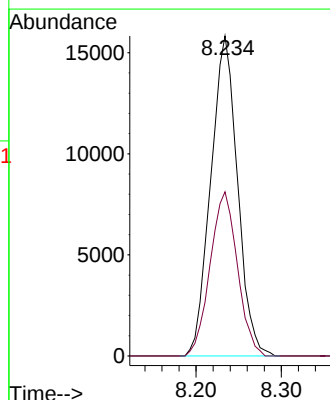
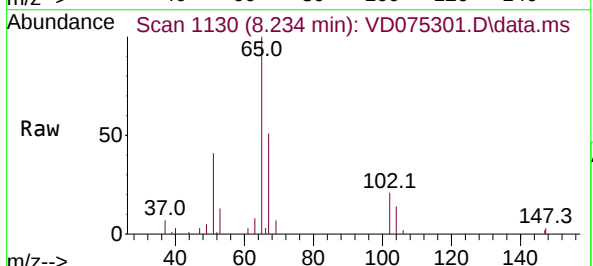
Instrument :
MSVOA_D
ClientSampleId :
UST-4

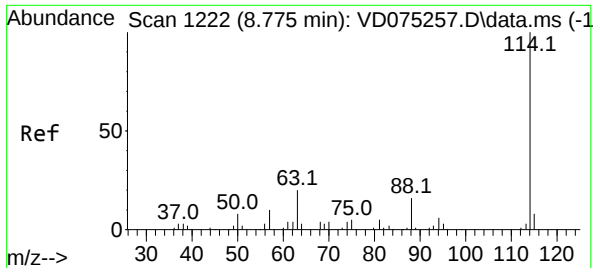
Tgt Ion:168 Resp: 72767
Ion Ratio Lower Upper
168 100
99 59.4 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 40.466 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion: 65 Resp: 34528
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

UST-4

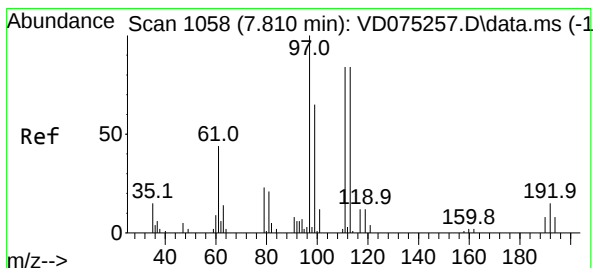
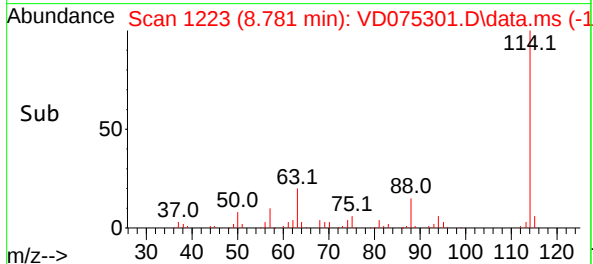
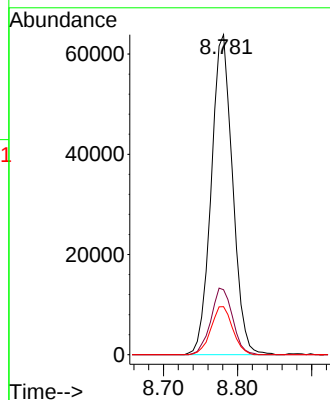
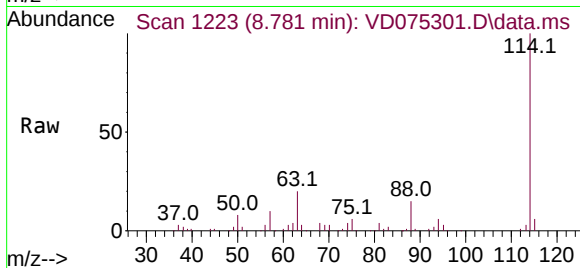
Tgt Ion:114 Resp: 127464

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 43.192 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD075301.D

Acq: 09 Feb 2023 18:30

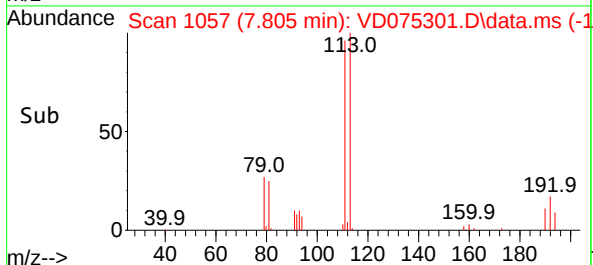
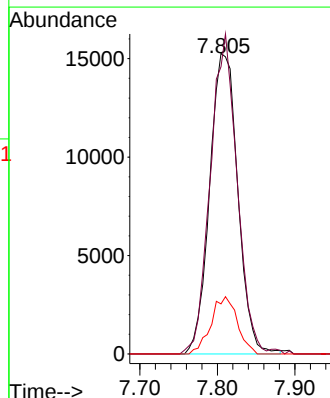
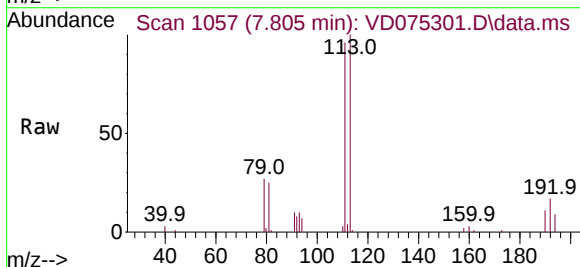
Tgt Ion:113 Resp: 38604

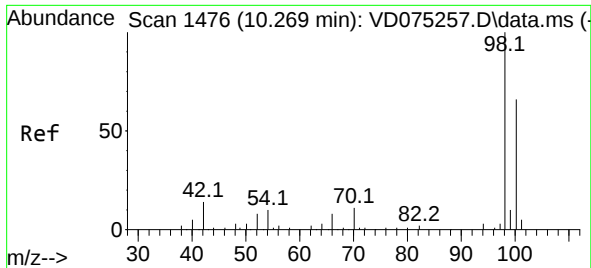
Ion Ratio Lower Upper

113 100

111 101.0 80.1 120.1

192 17.8 15.4 23.0

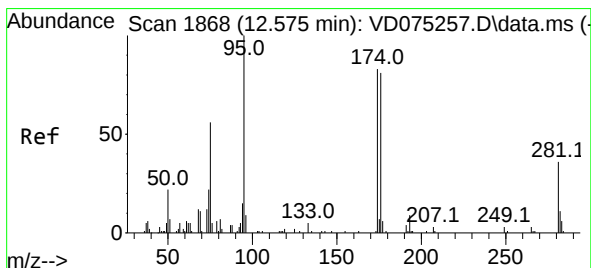
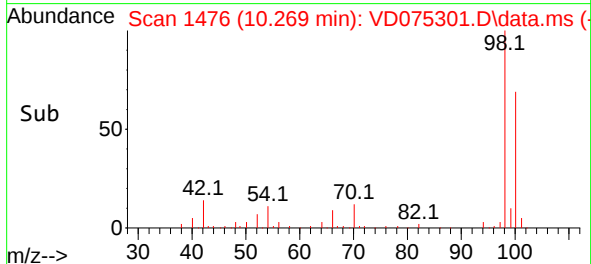
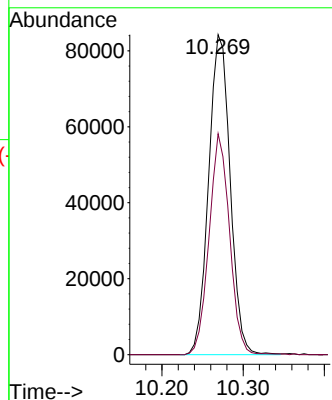
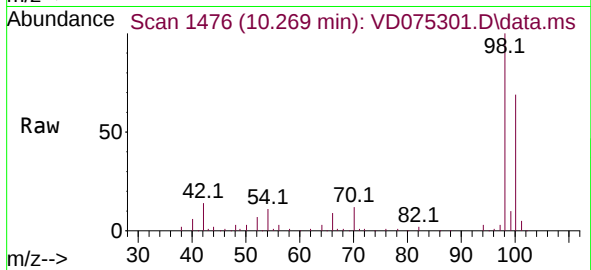




#50
Toluene-d8
Concen: 45.796 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

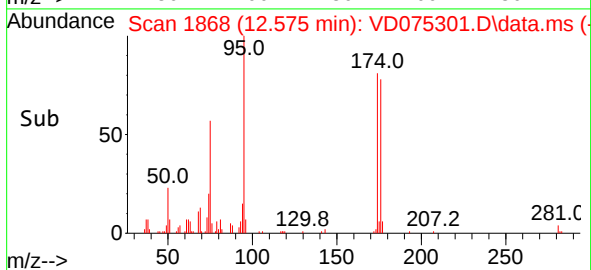
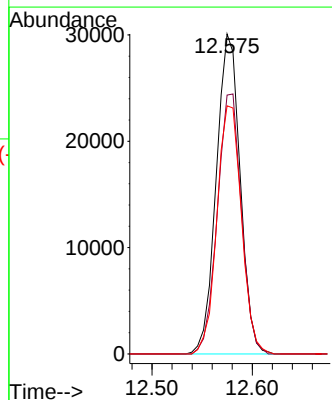
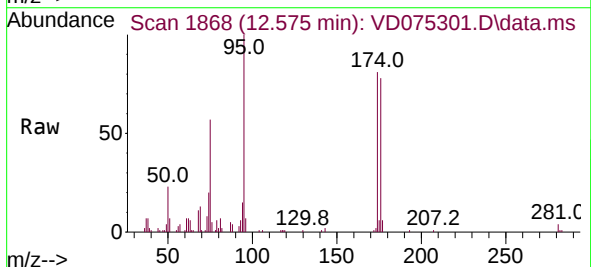
Instrument :
MSVOA_D
ClientSampleId :
UST-4

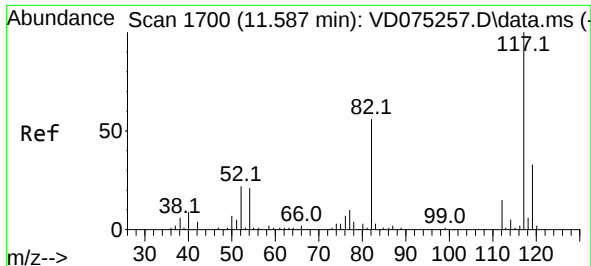
Tgt Ion: 98 Resp: 155227
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 44.460 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion: 95 Resp: 49690
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.2
176 79.7 0.0 160.2

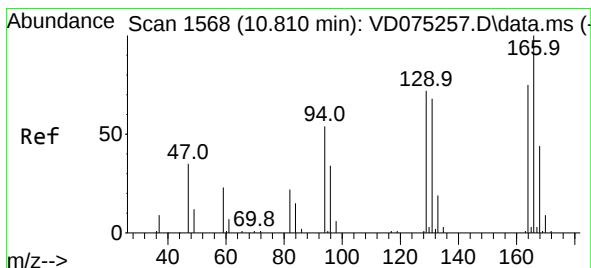
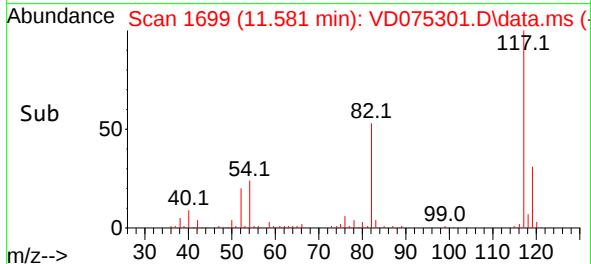
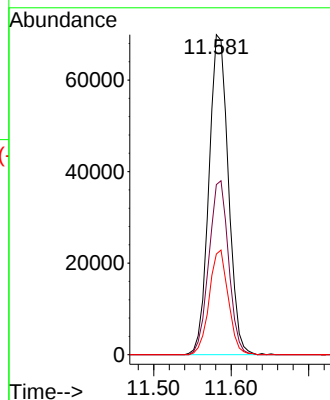
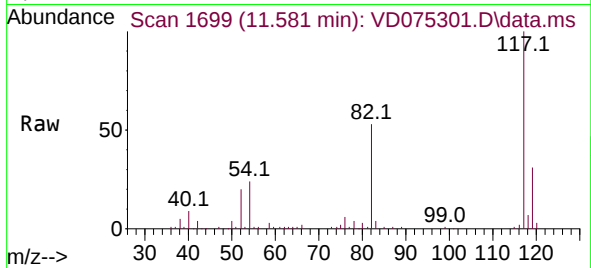




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

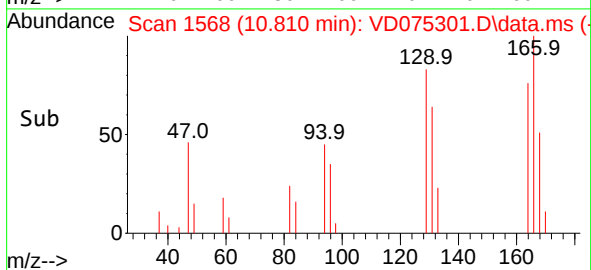
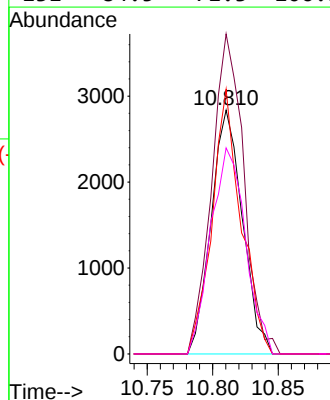
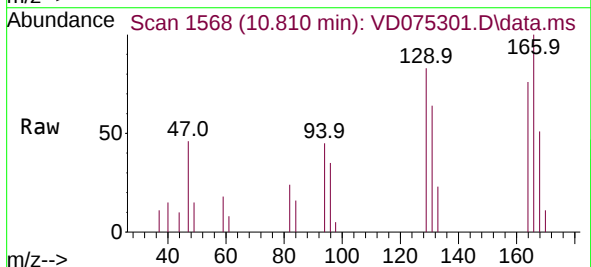
Instrument :
MSVOA_D
ClientSampleId :
UST-4

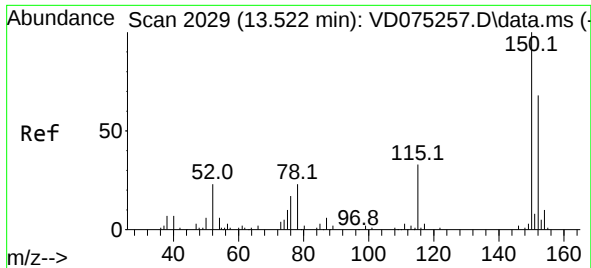
Tgt Ion:117 Resp: 121539
Ion Ratio Lower Upper
117 100
82 53.1 39.6 59.4
119 31.4 24.6 37.0



#64
Tetrachloroethene
Concen: 5.043 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075301.D
Acq: 09 Feb 2023 18:30

Tgt Ion:164 Resp: 4721
Ion Ratio Lower Upper
164 100
166 131.2 105.3 157.9
129 108.5 76.2 114.4
131 84.5 71.3 106.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075301.D

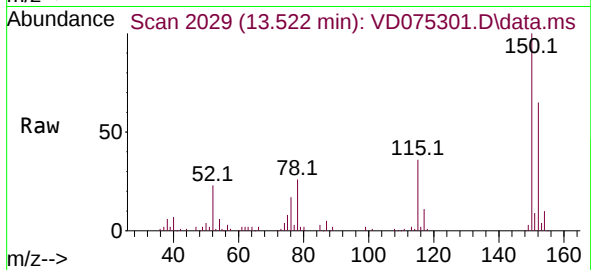
Acq: 09 Feb 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

UST-4



Tgt Ion:152 Resp: 49997

Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.4

150 157.9 0.0 348.6

