

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062223\
 Data File : VD076546.D
 Acq On : 22 Jun 2023 18:42
 Operator : KP/SY
 Sample : 03365-13
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4

Quant Time: Jun 23 06:37:27 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)

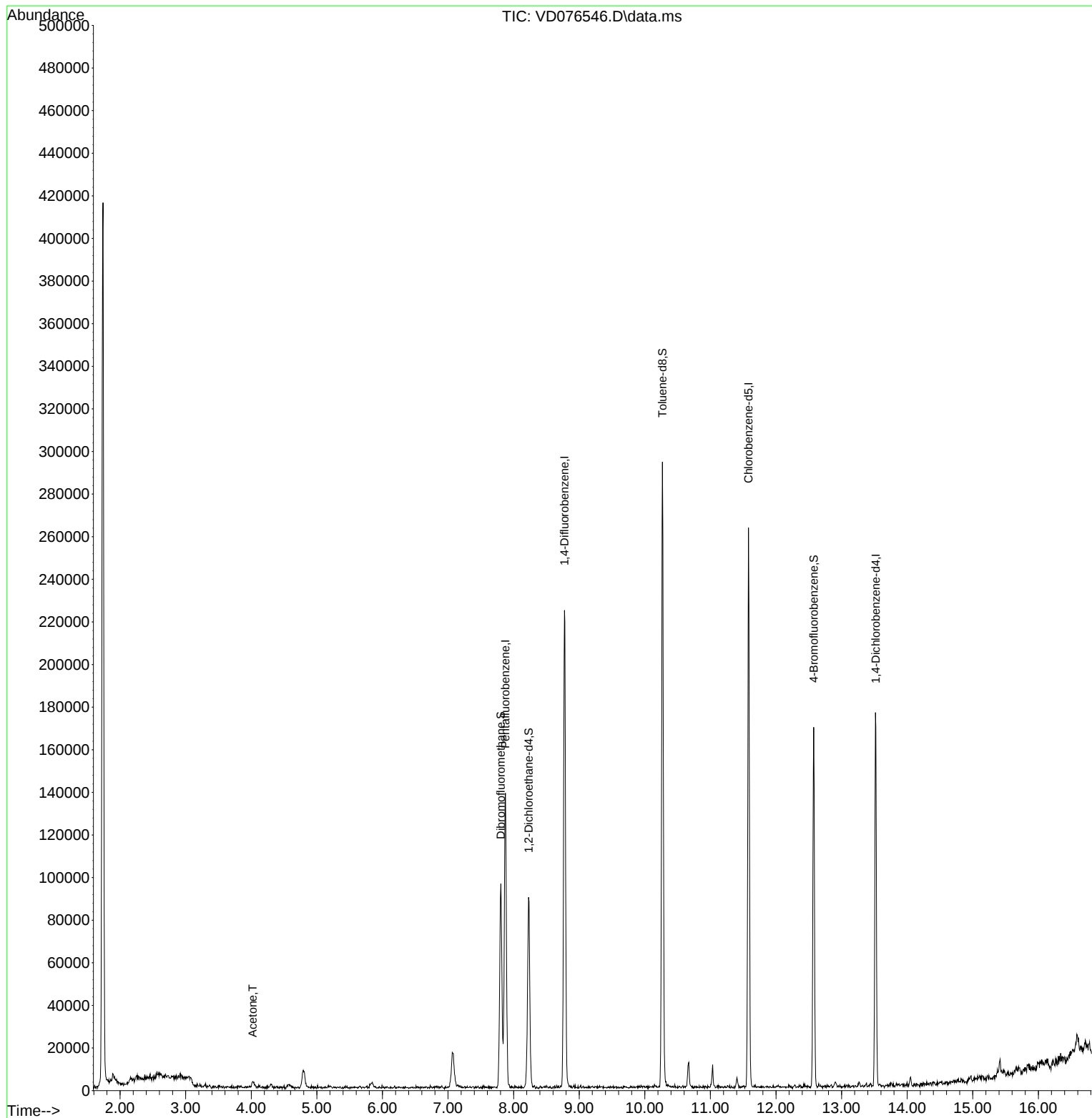
Internal Standards						
1) Pentafluorobenzene	7.875	168	105732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	200283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	139844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	44333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67514	63.732	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.460%	
35) Dibromofluoromethane	7.805	113	66974	56.289	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.580%	
50) Toluene-d8	10.269	98	198327	43.952	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.900%	
62) 4-Bromofluorobenzene	12.575	95	48035	32.801	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.600%	
Target Compounds						
16) Acetone	4.022	43	5571	22.100	ug/l	Qvalue 89

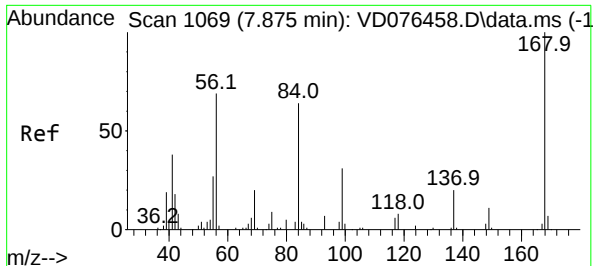
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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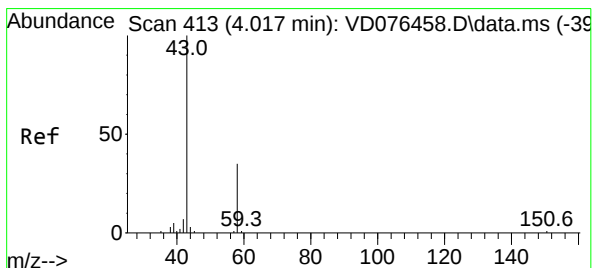
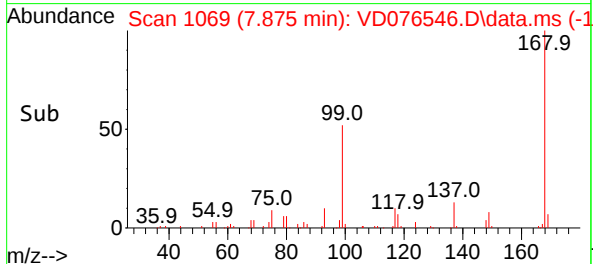
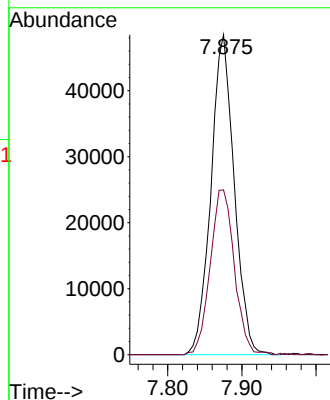
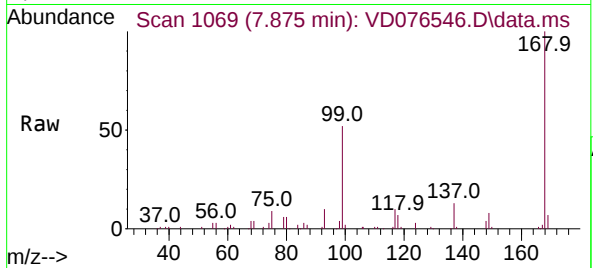




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076546.D
Acq: 22 Jun 2023 18:42

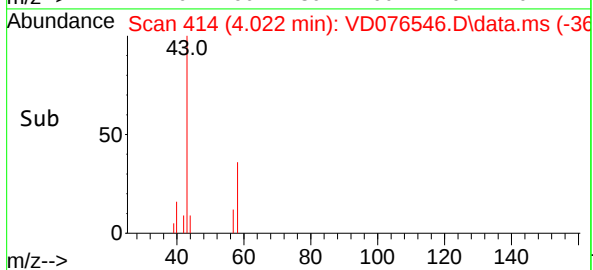
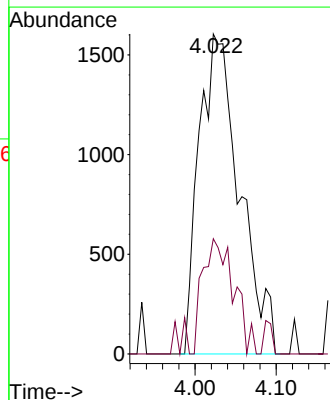
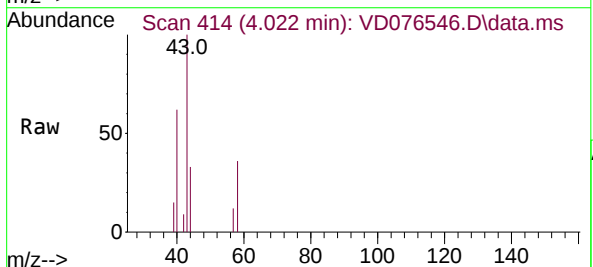
Instrument :
MSVOA_D
ClientSampleId :
TP4

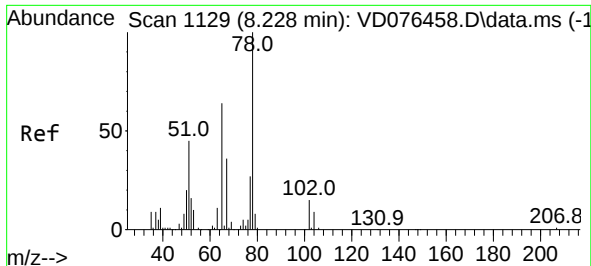
Tgt Ion:168 Resp: 105732
Ion Ratio Lower Upper
168 100
99 51.5 36.7 55.1



#16
Acetone
Concen: 22.100 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076546.D
Acq: 22 Jun 2023 18:42

Tgt Ion: 43 Resp: 5571
Ion Ratio Lower Upper
43 100
58 36.0 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 63.732 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076546.D

Acq: 22 Jun 2023 18:42

Instrument :

MSVOA_D

ClientSampleId :

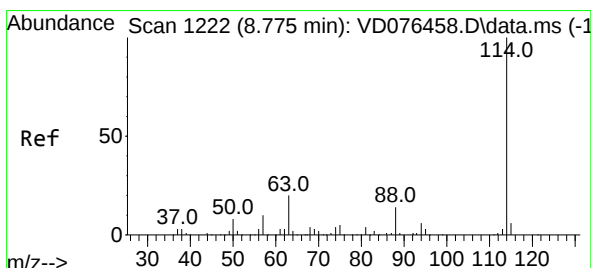
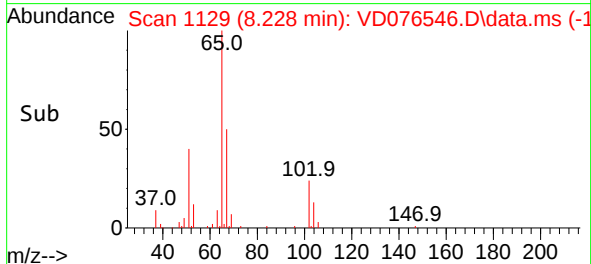
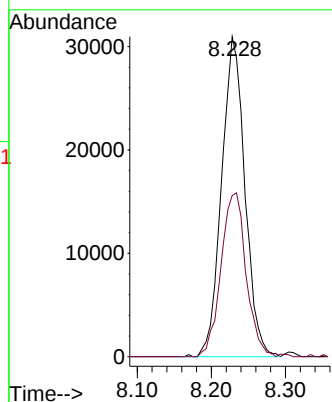
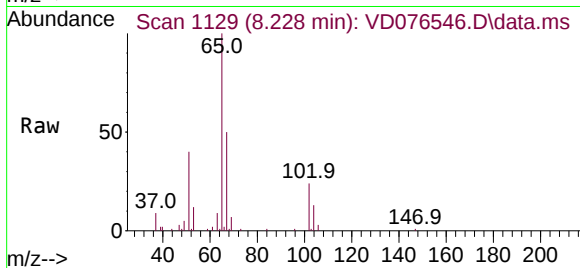
TP4

Tgt Ion: 65 Resp: 67514

Ion Ratio Lower Upper

65 100

67 55.1 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: VD076546.D

Acq: 22 Jun 2023 18:42

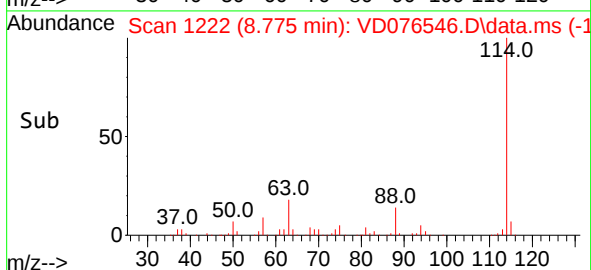
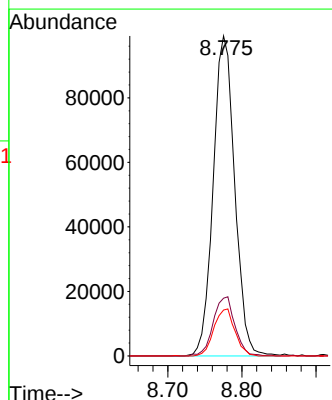
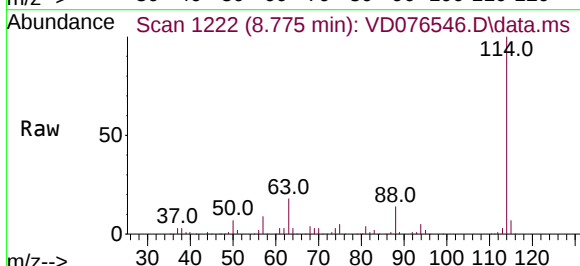
Tgt Ion: 114 Resp: 200283

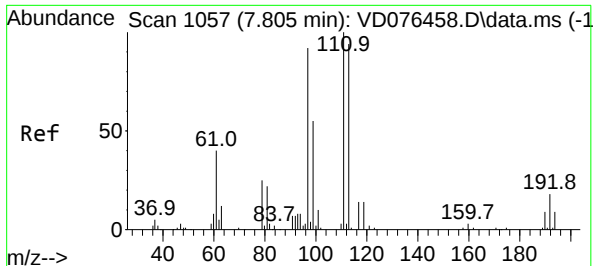
Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 56.289 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076546.D

Acq: 22 Jun 2023 18:42

Instrument :

MSVOA_D

ClientSampleId :

TP4

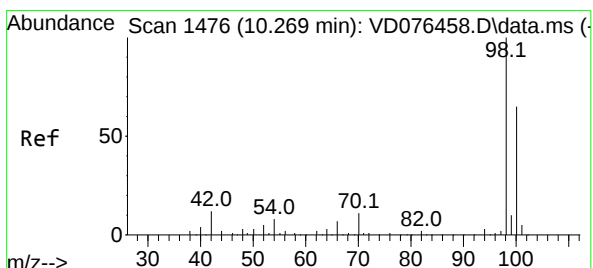
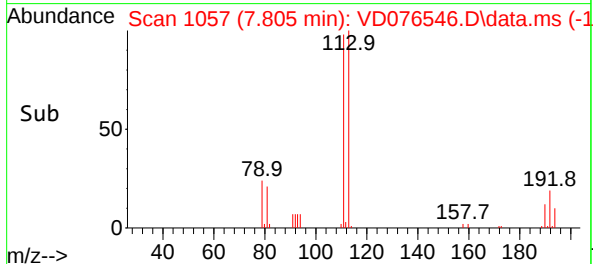
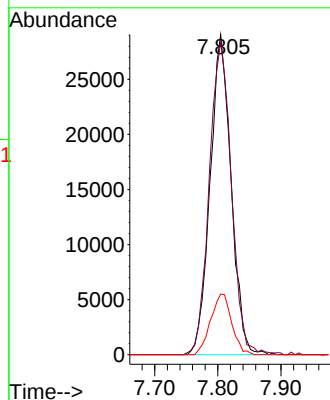
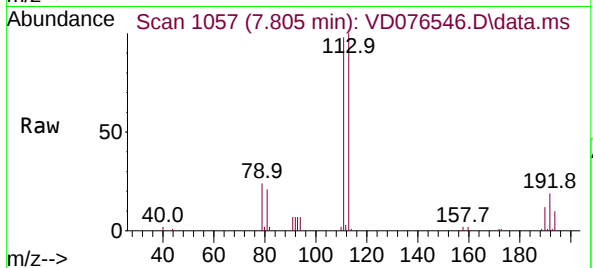
Tgt Ion:113 Resp: 66974

Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 19.0 16.8 25.2



#50

Toluene-d8

Concen: 43.952 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076546.D

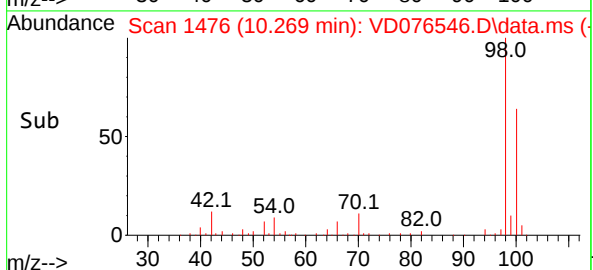
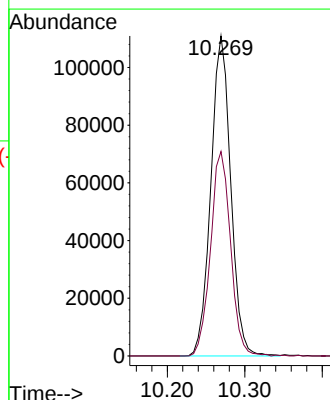
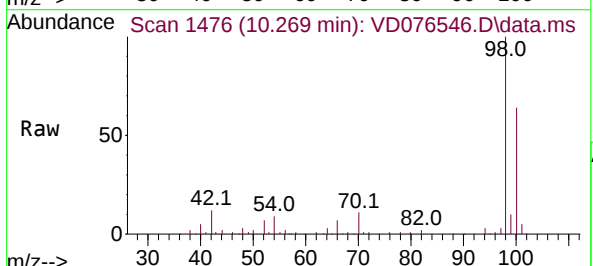
Acq: 22 Jun 2023 18:42

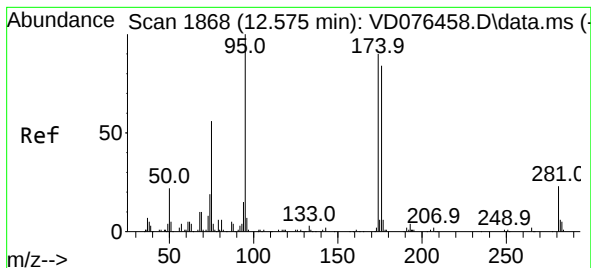
Tgt Ion: 98 Resp: 198327

Ion Ratio Lower Upper

98 100

100 64.4 50.3 75.5

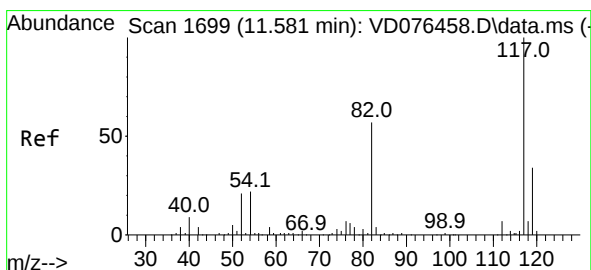
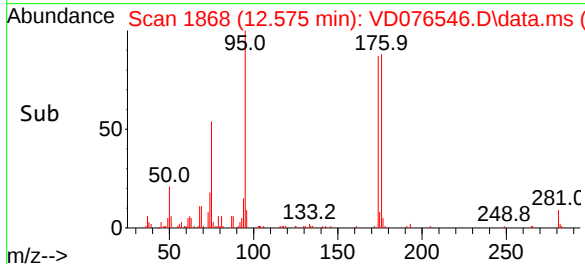
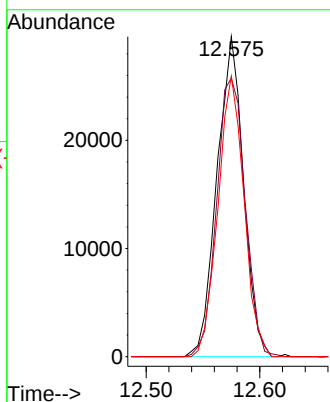
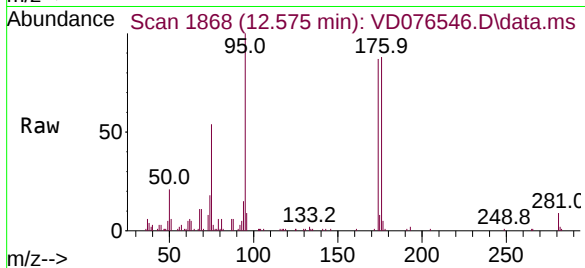




#62
4-Bromofluorobenzene
Concen: 32.801 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076546.D
Acq: 22 Jun 2023 18:42

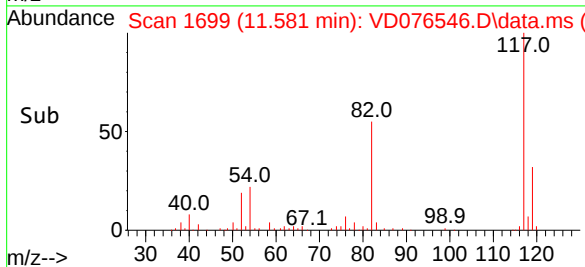
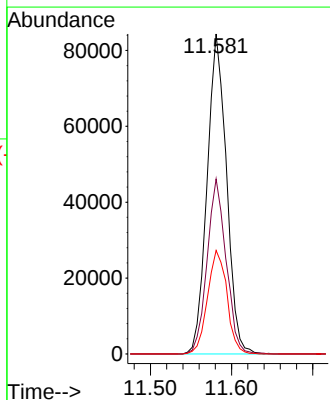
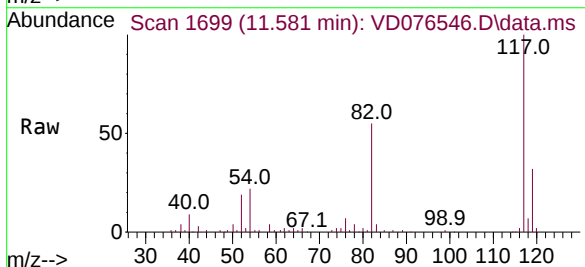
Instrument :
MSVOA_D
ClientSampleId :
TP4

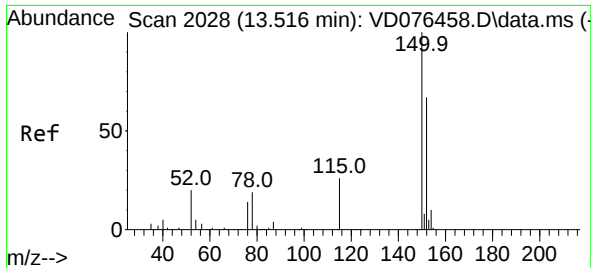
Tgt Ion:	95	Resp:	48035
Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	201.8
176	86.0	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076546.D
Acq: 22 Jun 2023 18:42

Tgt Ion:	117	Resp:	139844
Ion	Ratio	Lower	Upper
117	100		
82	54.7	38.3	57.5
119	32.4	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD076546.D

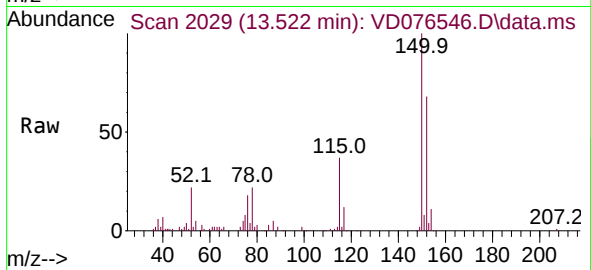
Acq: 22 Jun 2023 18:42

Instrument :

MSVOA_D

ClientSampleId :

TP4



Tgt Ion:152 Resp: 44333

Ion Ratio Lower Upper

152 100

115 58.6 27.1 81.3

150 161.8 0.0 353.6

