

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077935.D
 Acq On : 16 Dec 2023 15:50
 Operator : RP/MD
 Sample : 05791-03
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 597-P-2

Quant Time: Dec 18 01:59:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	3922	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	6335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	6377	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	2442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.216	65	2888	62.490	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.980%	
35) Dibromofluoromethane	7.805	113	2349	52.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.880%	
50) Toluene-d8	10.269	98	7616	42.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.700%	
62) 4-Bromofluorobenzene	12.575	95	2194	41.291	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.580%	

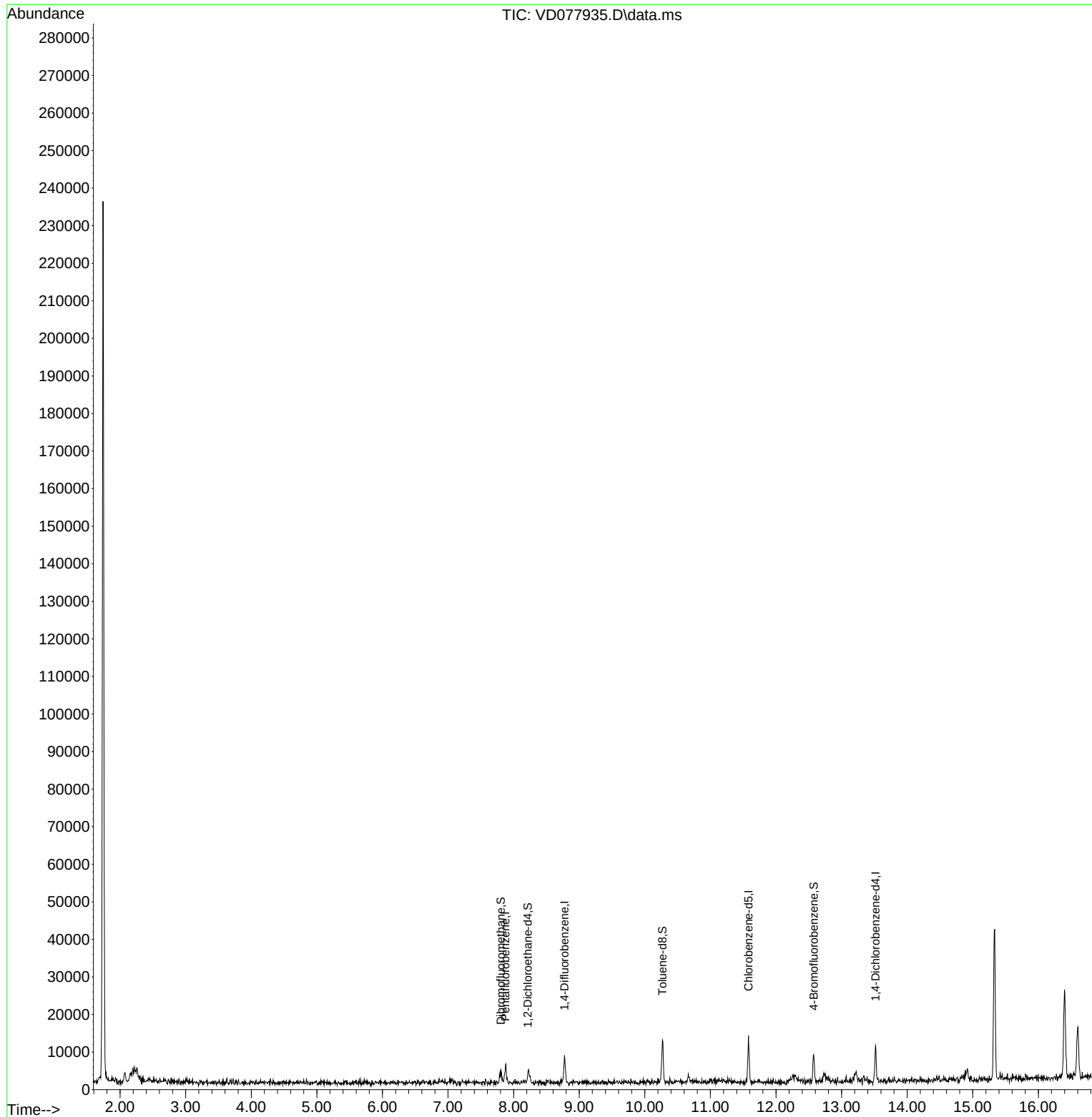
Target Compounds	Qvalue

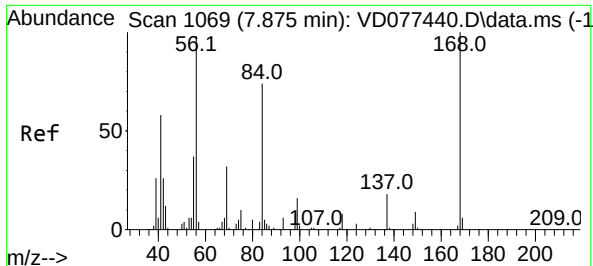
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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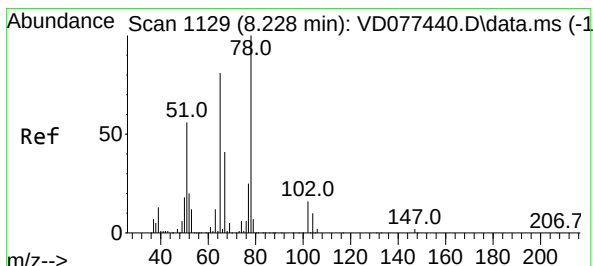
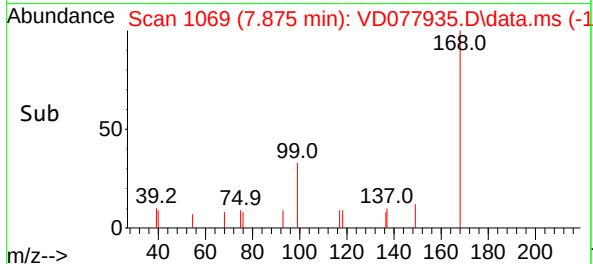
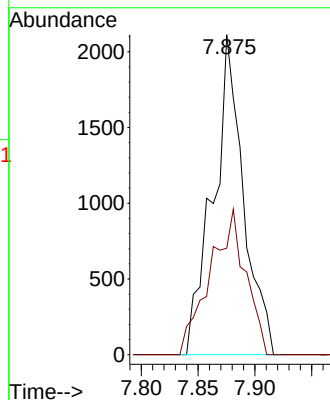
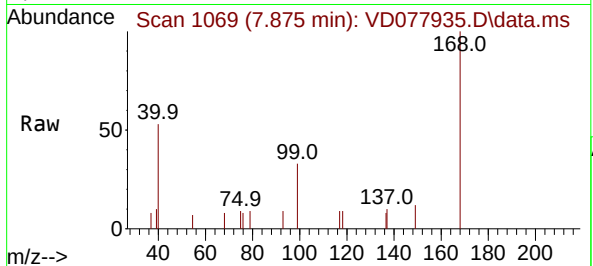




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077935.D
Acq: 16 Dec 2023 15:50

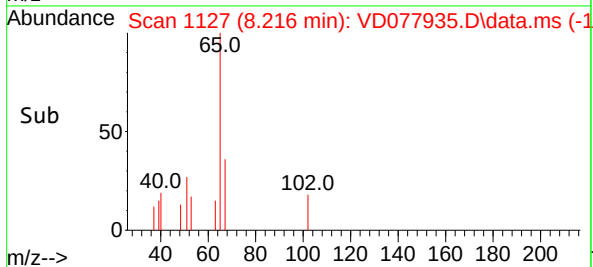
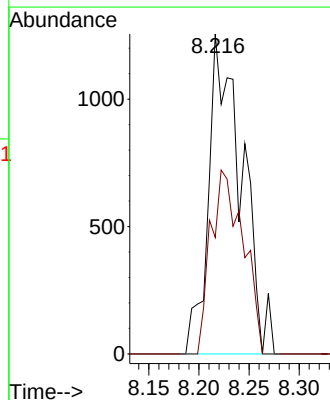
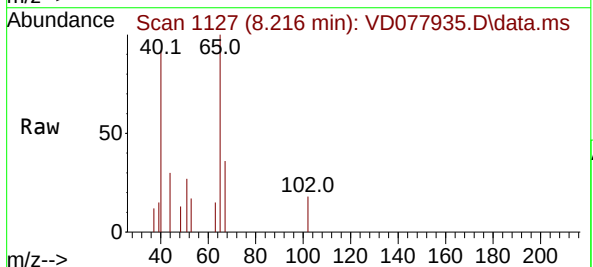
Instrument :
MSVOA_D
ClientSampleId :
597-P-2

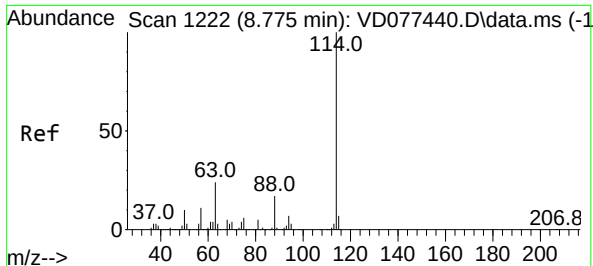
Tgt Ion:168 Resp: 3922
Ion Ratio Lower Upper
168 100
99 33.3 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 62.490 ug/l
RT: 8.216 min Scan# 1127
Delta R.T. -0.012 min
Lab File: VD077935.D
Acq: 16 Dec 2023 15:50

Tgt Ion: 65 Resp: 2888
Ion Ratio Lower Upper
65 100
67 56.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077935.D

Acq: 16 Dec 2023 15:50

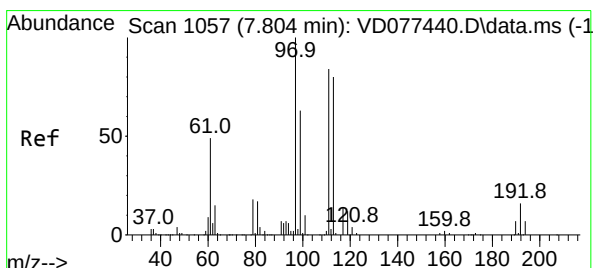
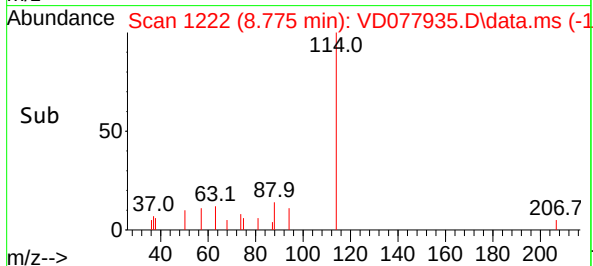
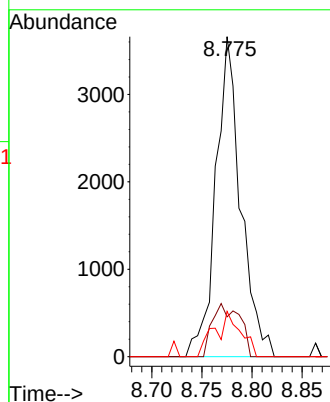
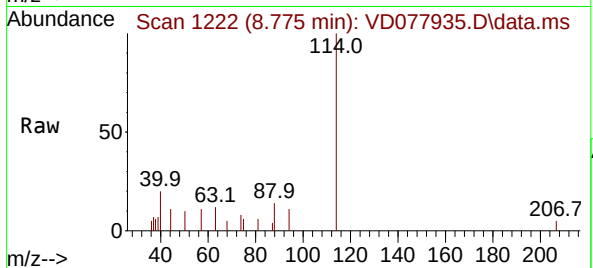
Instrument :

MSVOA_D

ClientSampleId :

597-P-2

Tgt Ion:114	Resp:	6335
Ion	Ratio	Lower Upper
114	100	
63	12.5	0.0 33.4
88	14.1	0.0 26.2



#35

Dibromofluoromethane

Concen: 52.936 ug/l

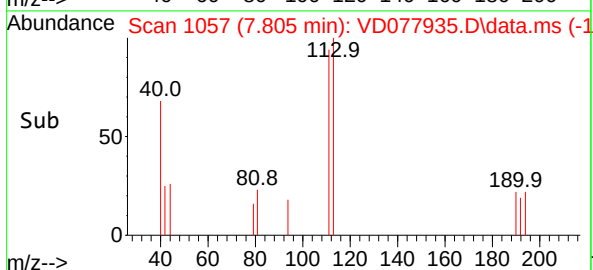
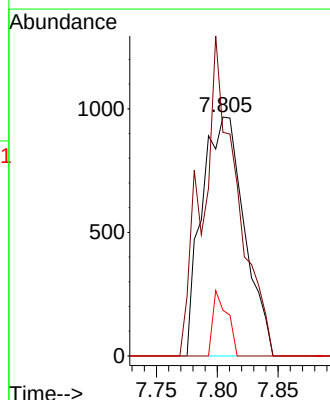
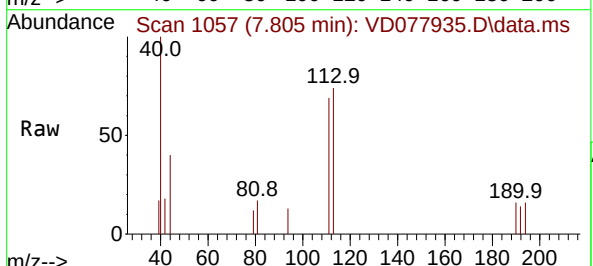
RT: 7.805 min Scan# 1057

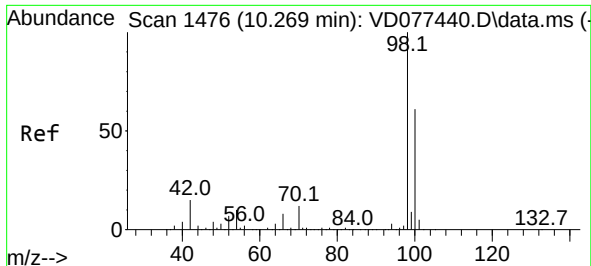
Delta R.T. 0.001 min

Lab File: VD077935.D

Acq: 16 Dec 2023 15:50

Tgt Ion:113	Resp:	2349
Ion	Ratio	Lower Upper
113	100	
111	107.9	84.7 127.1
192	9.2	16.8 25.2

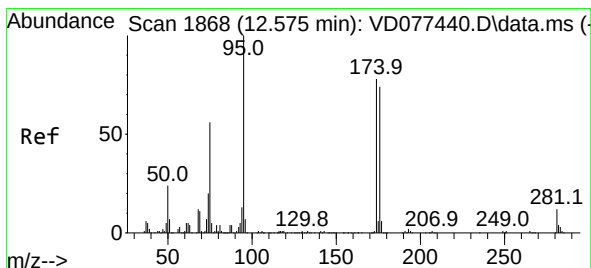
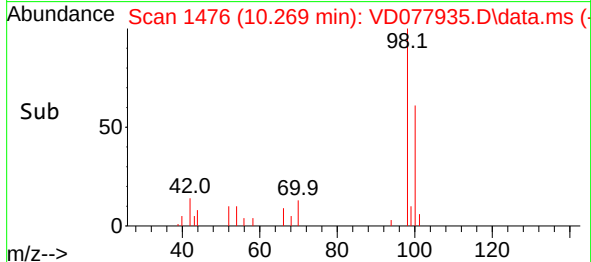
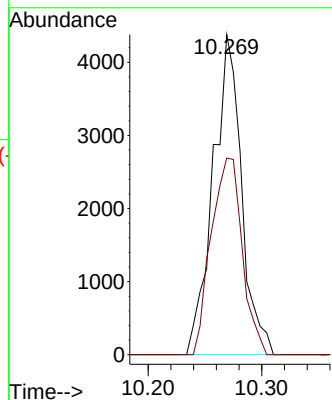
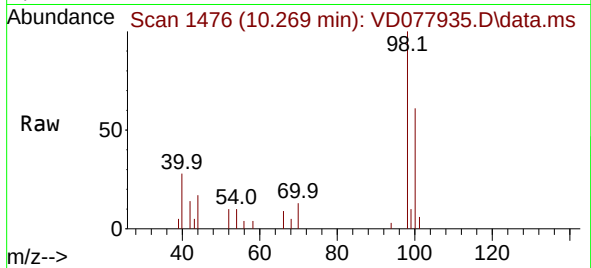




#50
Toluene-d8
Concen: 42.853 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077935.D
Acq: 16 Dec 2023 15:50

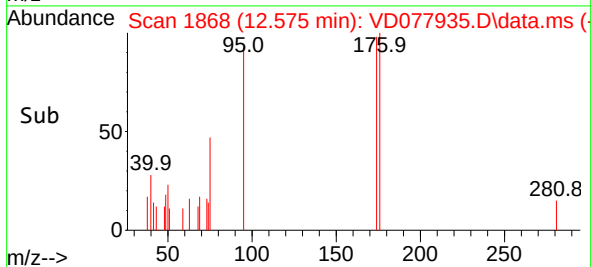
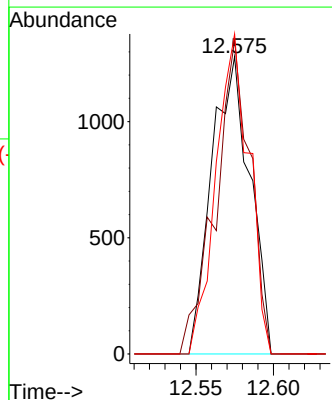
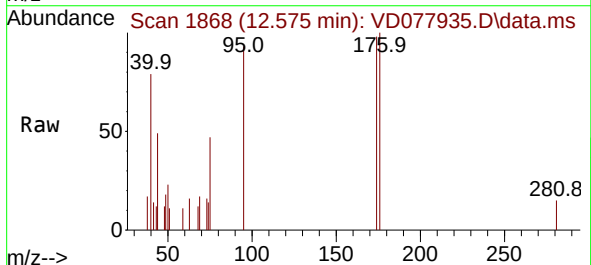
Instrument :
MSVOA_D
ClientSampleId :
597-P-2

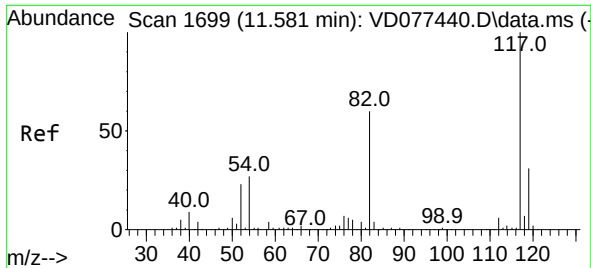
Tgt Ion: 98 Resp: 7616
Ion Ratio Lower Upper
98 100
100 67.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.291 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077935.D
Acq: 16 Dec 2023 15:50

Tgt Ion: 95 Resp: 2194
Ion Ratio Lower Upper
95 100
174 95.7 0.0 201.8
176 93.1 0.0 191.8

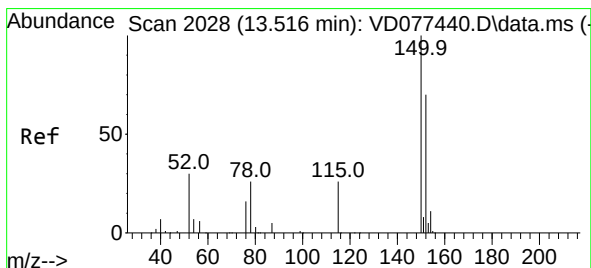
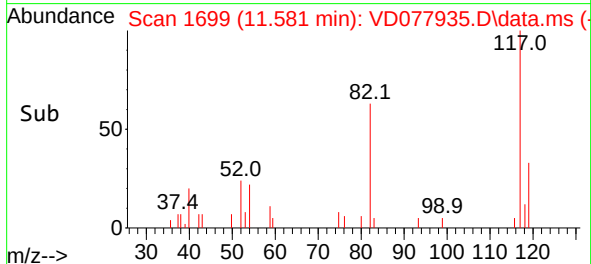
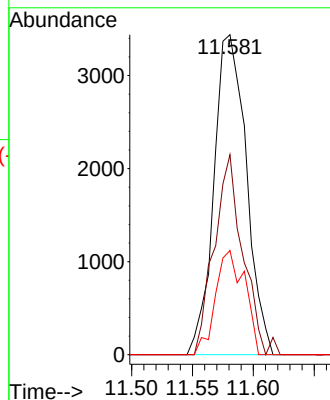
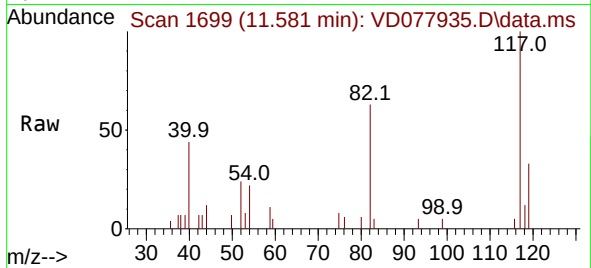




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077935.D
Acq: 16 Dec 2023 15:50

Instrument :
MSVOA_D
ClientSampleId :
597-P-2

Tgt Ion:117 Resp: 6377
Ion Ratio Lower Upper
117 100
82 62.5 38.3 57.5#
119 32.5 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: VD077935.D
Acq: 16 Dec 2023 15:50

Tgt Ion:152 Resp: 2442
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 169.8 0.0 353.6

