

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076243.D
 Acq On : 25 May 2023 20:08
 Operator : KP/SY
 Sample : 02938-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-052423

Quant Time: May 26 02:01:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

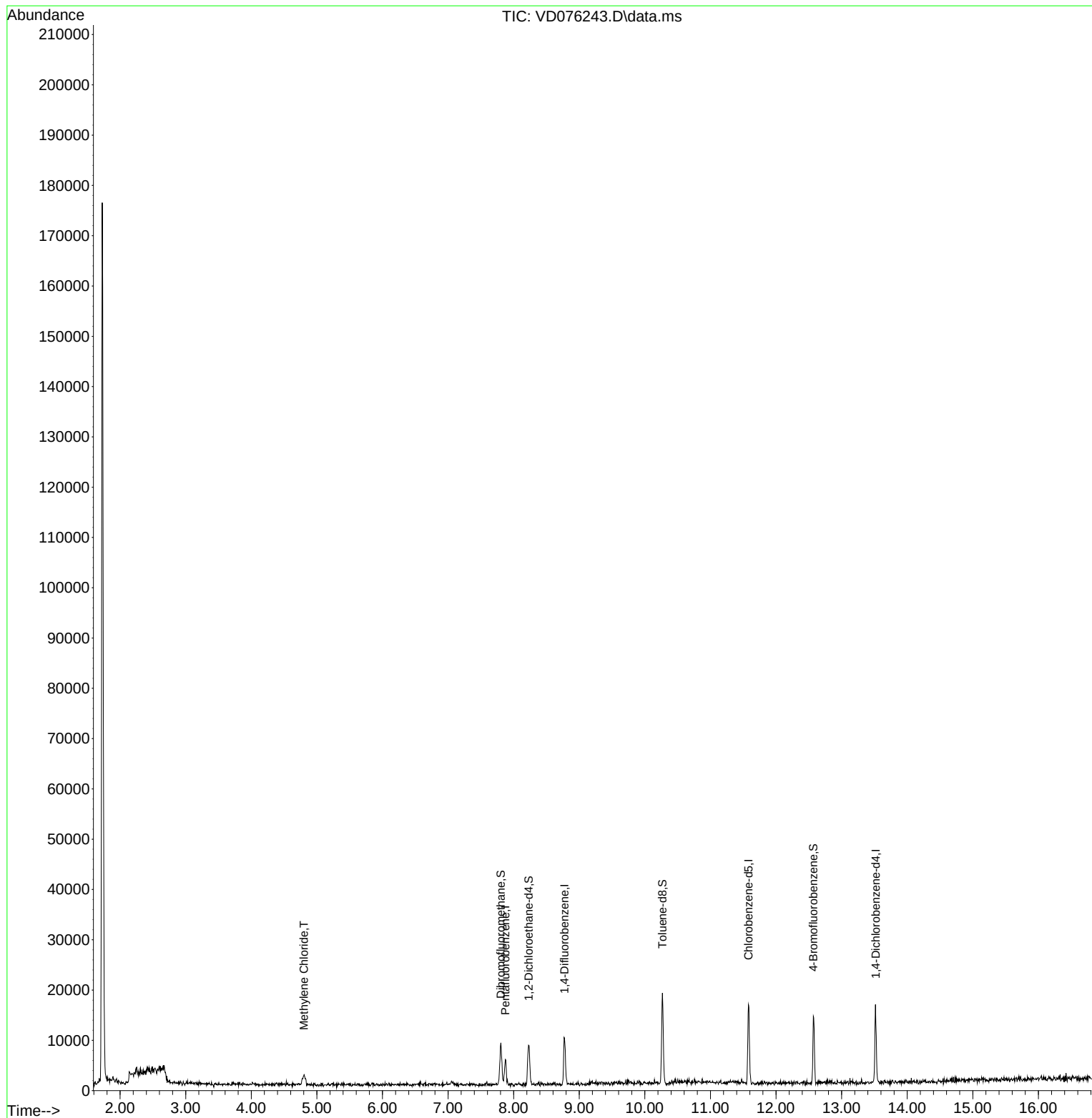
Internal Standards						
1) Pentafluorobenzene	7.875	168	4837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	10548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	11094	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	4858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6842	146.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 292.720%#	
35) Dibromofluoromethane	7.804	113	6106	83.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 167.500%#	
50) Toluene-d8	10.269	98	14011	49.296	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	12.569	95	4608	58.364	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.720%	
Target Compounds						Qvalue
20) Methylene Chloride	4.805	84	1895	19.988	ug/l	# 70

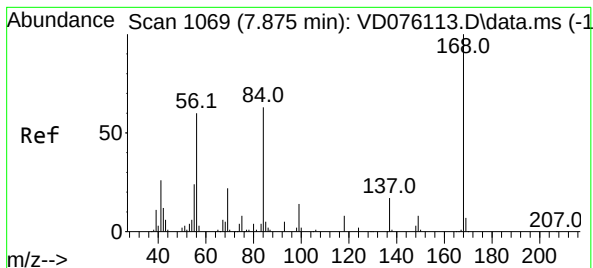
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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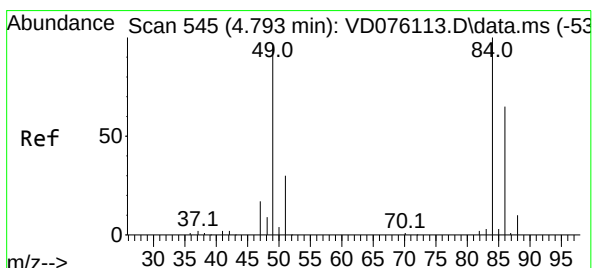
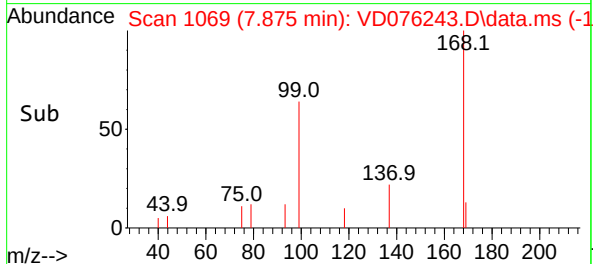
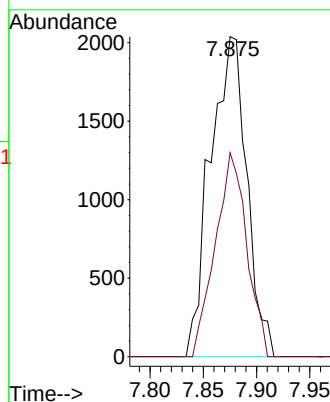
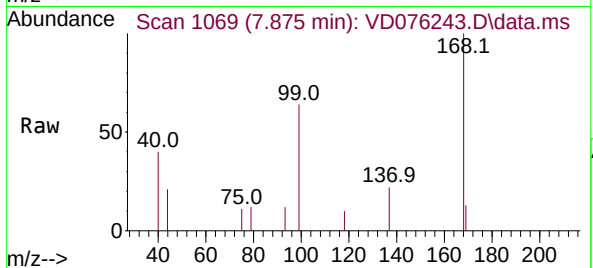




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

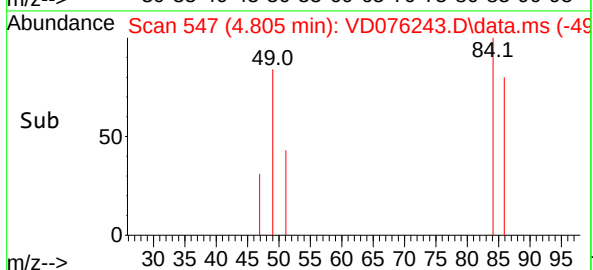
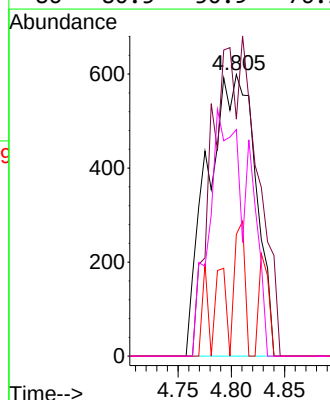
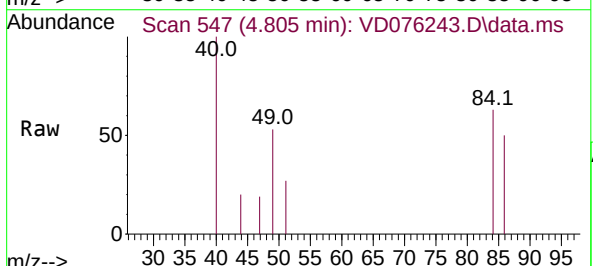
Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

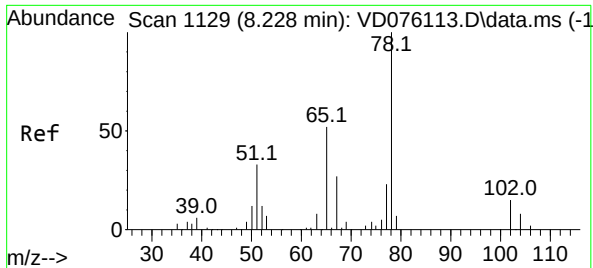
Tgt Ion:168 Resp: 4837
Ion Ratio Lower Upper
168 100
99 63.7 43.8 65.6



#20
Methylene Chloride
Concen: 19.988 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 84 Resp: 1895
Ion Ratio Lower Upper
84 100
49 84.1 106.4 159.6#
51 43.2 32.4 48.6
86 80.5 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 146.358 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076243.D

Acq: 25 May 2023 20:08

Instrument :

MSVOA_D

ClientSampleId :

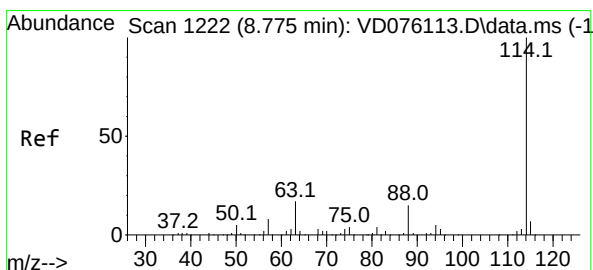
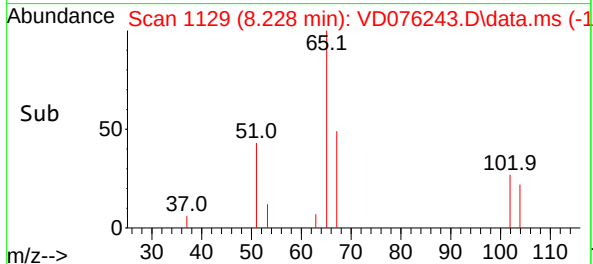
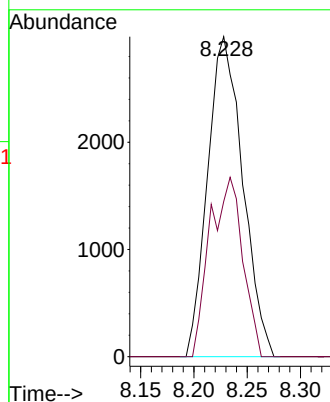
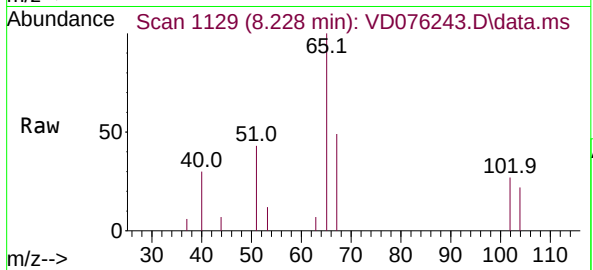
SU-04-052423

Tgt Ion: 65 Resp: 6842

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076243.D

Acq: 25 May 2023 20:08

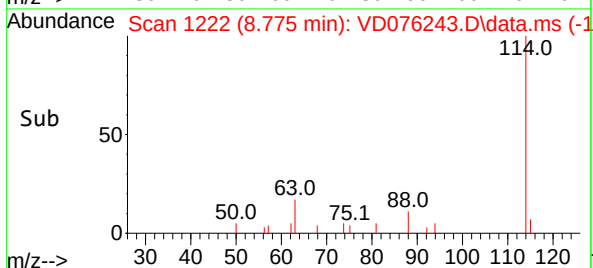
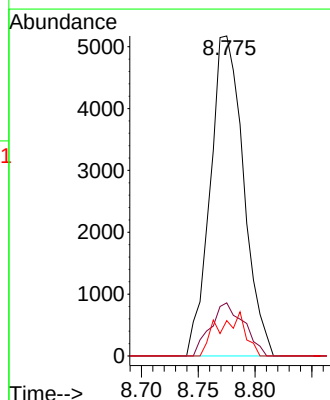
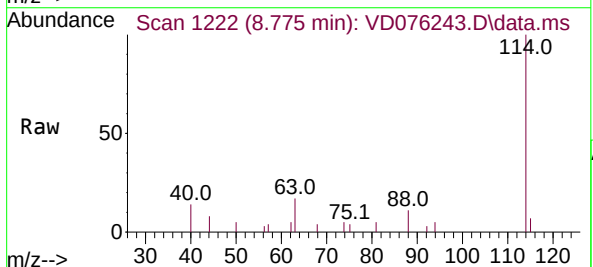
Tgt Ion: 114 Resp: 10548

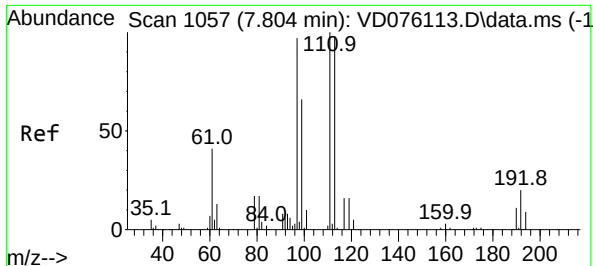
Ion Ratio Lower Upper

114 100

63 16.6 0.0 41.6

88 11.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 83.747 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076243.D

Acq: 25 May 2023 20:08

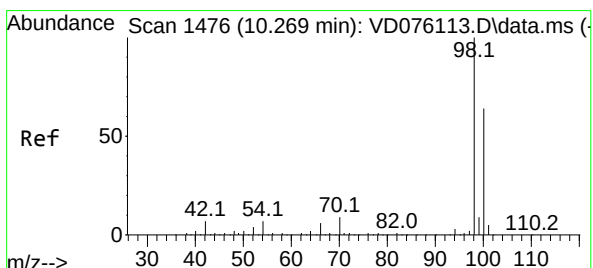
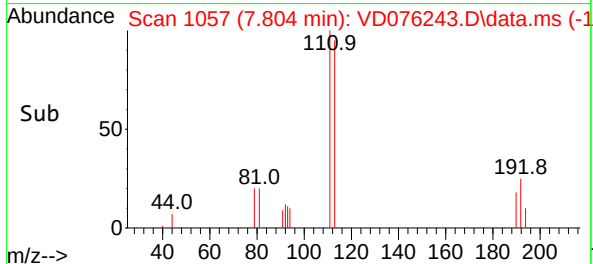
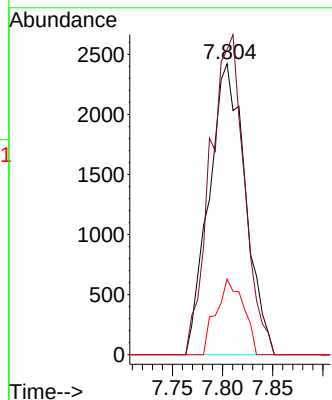
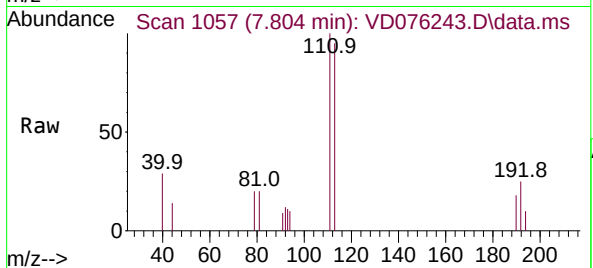
Instrument :

MSVOA_D

ClientSampleId :

SU-04-052423

Tgt Ion:113	Resp:	6106
Ion	Ratio	Lower Upper
113	100	
111	103.6	81.4 122.0
192	19.6	15.2 22.8



#50

Toluene-d8

Concen: 49.296 ug/l

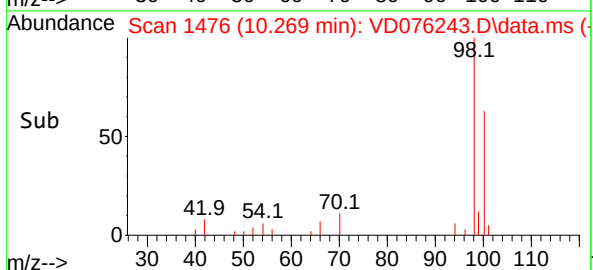
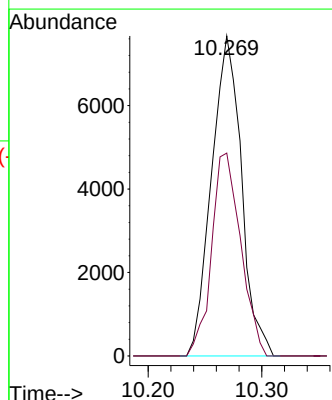
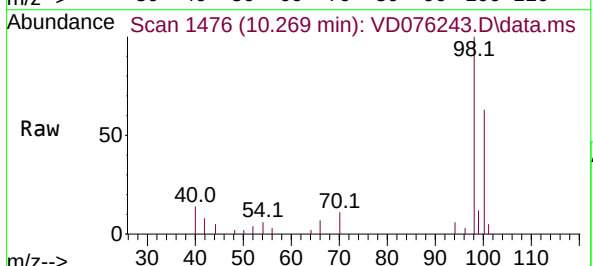
RT: 10.269 min Scan# 1476

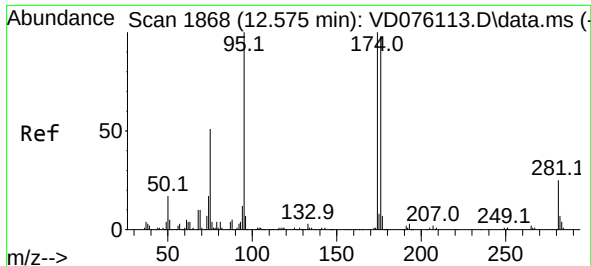
Delta R.T. 0.000 min

Lab File: VD076243.D

Acq: 25 May 2023 20:08

Tgt Ion: 98	Resp:	14011
Ion	Ratio	Lower Upper
98	100	
100	61.9	52.1 78.1

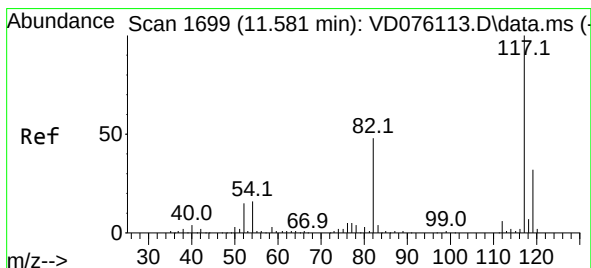
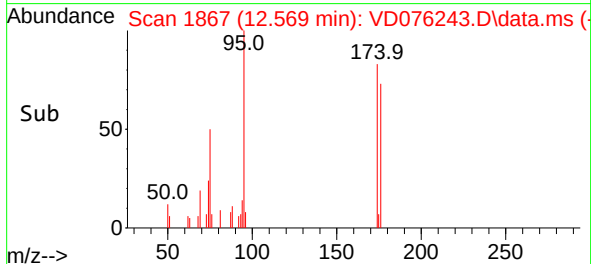
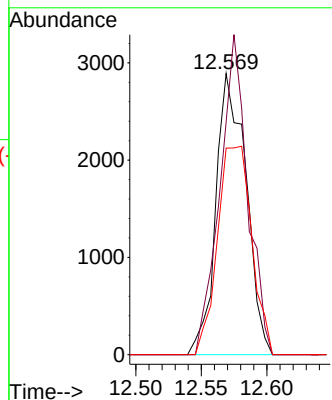
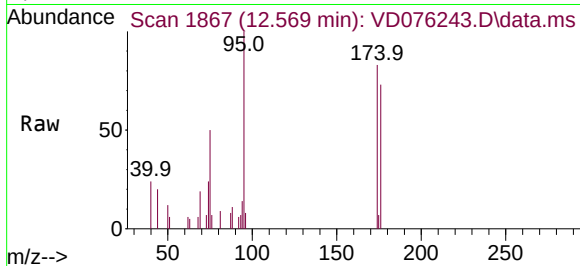




#62
4-Bromofluorobenzene
Concen: 58.364 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

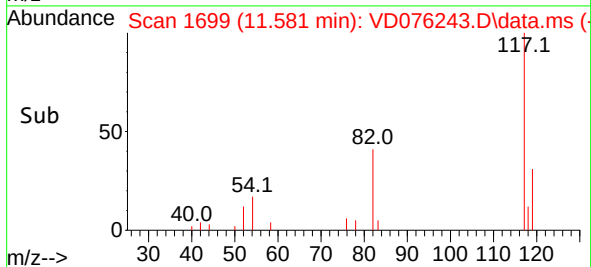
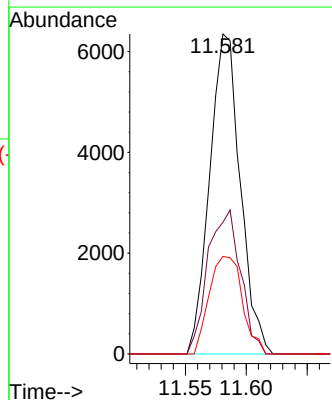
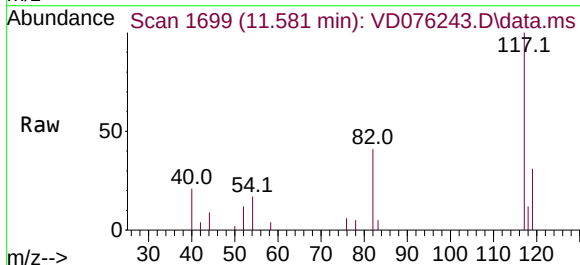
Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

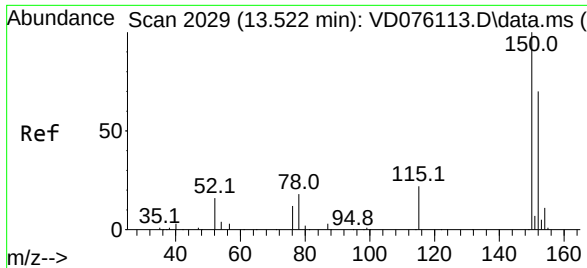
Tgt Ion: 95	Resp: 4608
Ion Ratio	Lower Upper
95 100	
174 105.0	0.0 164.0
176 84.3	0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

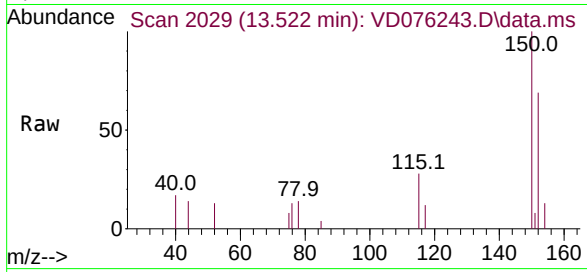
Tgt Ion: 117	Resp: 11094
Ion Ratio	Lower Upper
117 100	
82 41.2	44.0 66.0#
119 30.5	25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076243.D
 Acq: 25 May 2023 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-052423



Tgt Ion:	152	Resp:	4858
Ion	Ratio	Lower	Upper
152	100		
115	46.2	30.1	90.3
150	157.8	0.0	364.8

