

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076294.D
 Acq On : 31 May 2023 19:53
 Operator : KP/SY
 Sample : 02983-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB19

Quant Time: Jun 01 01:44:23 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)

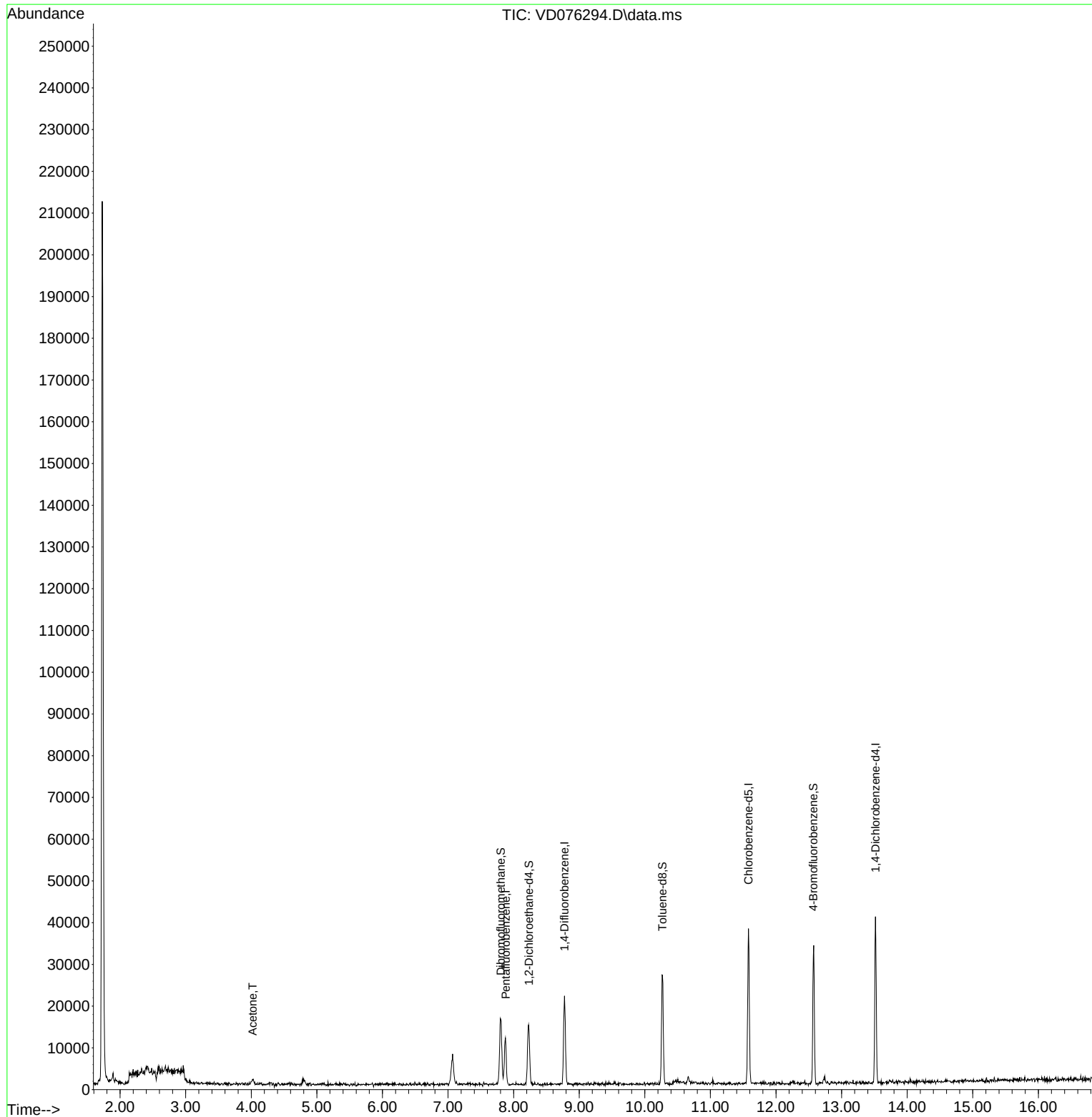
Internal Standards						
1) Pentafluorobenzene	7.881	168	9326	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	21446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	25706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	11954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	11376	126.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 252.420%#	
35) Dibromofluoromethane	7.805	113	12190	82.232	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 164.460%#	
50) Toluene-d8	10.269	98	21674	37.507	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 75.020%	
62) 4-Bromofluorobenzene	12.569	95	10208	63.591	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 127.180%	
Target Compounds						
16) Acetone	4.022	43	1956	109.072	ug/l	Qvalue 90

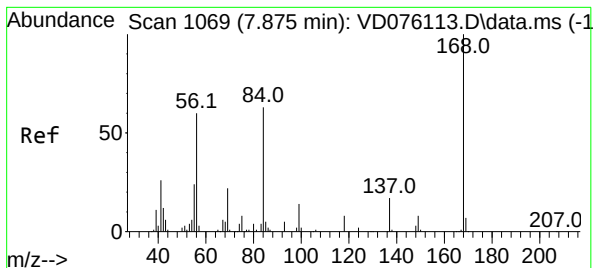
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD076294.D

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MSVOA_D

ClientSampleId :

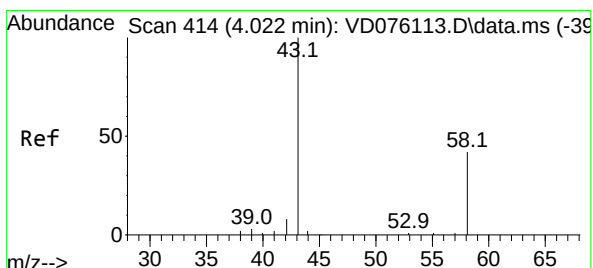
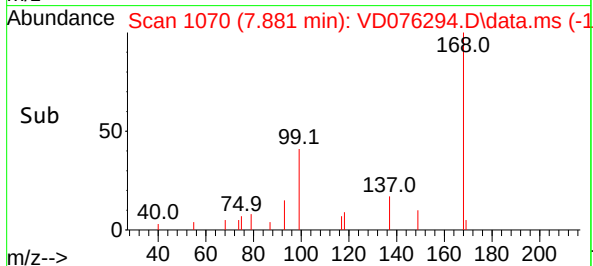
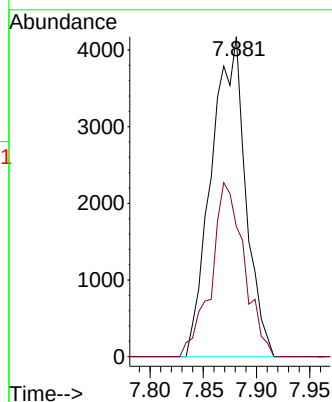
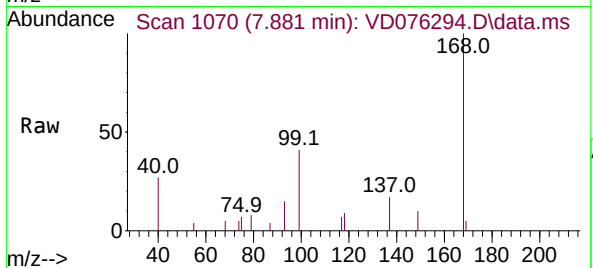
SB19

Tgt Ion:168 Resp: 9326

Ion Ratio Lower Upper

168 100

99 40.6 43.8 65.6#



#16

Acetone

Concen: 109.072 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD076294.D

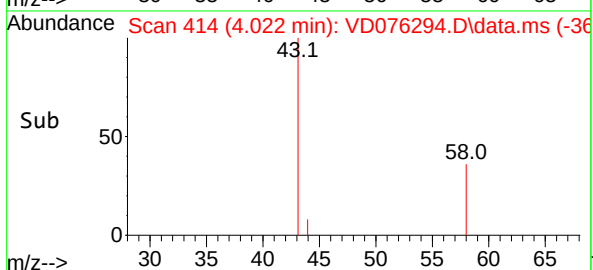
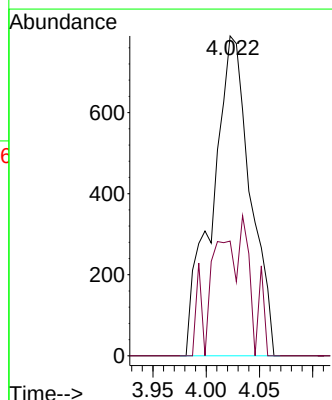
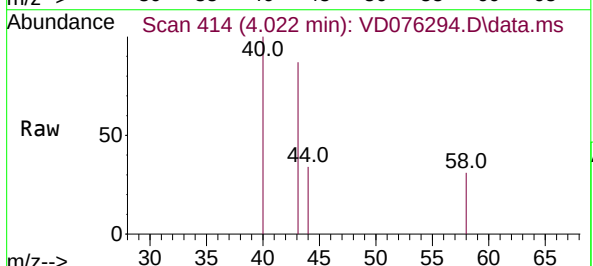
Acq: 31 May 2023 19:53

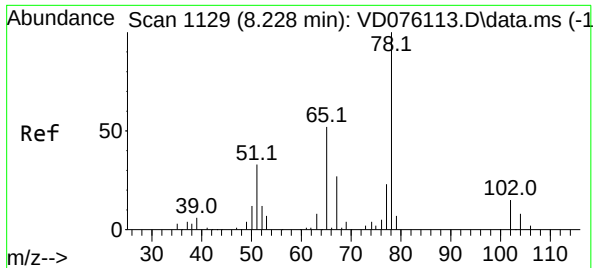
Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

58 35.9 24.4 36.6





#33

1,2-Dichloroethane-d4

Concen: 126.213 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076294.D

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Instrument :

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ClientSampleId :

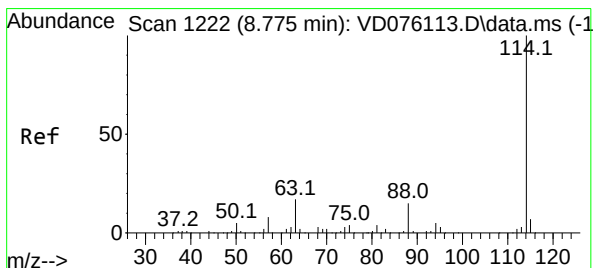
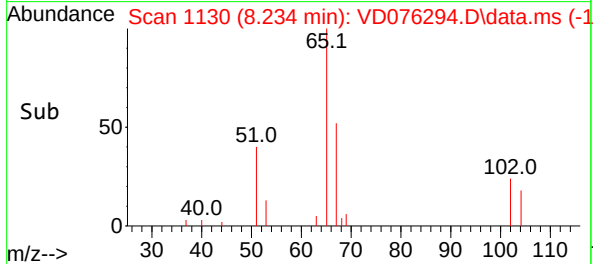
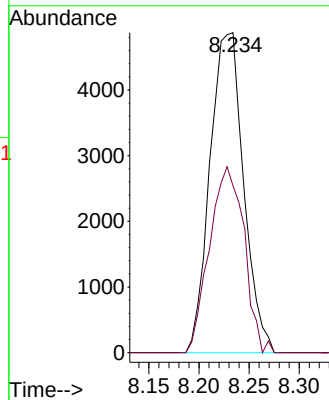
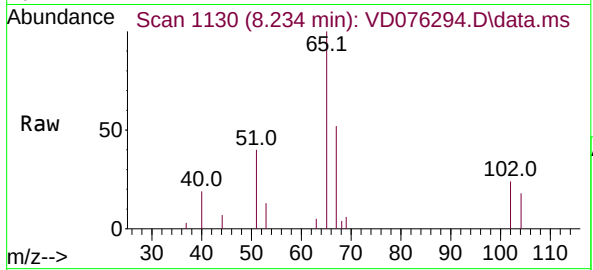
SB19

Tgt Ion: 65 Resp: 11376

Ion Ratio Lower Upper

65 100

67 59.6 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: VD076294.D

Acq: 31 May 2023 19:53

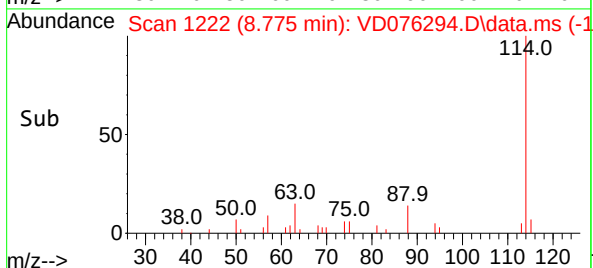
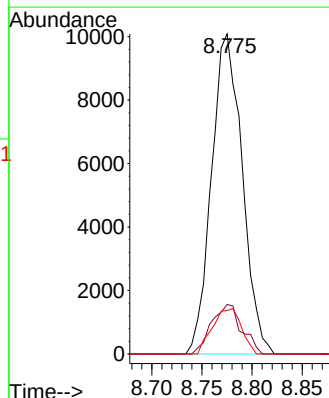
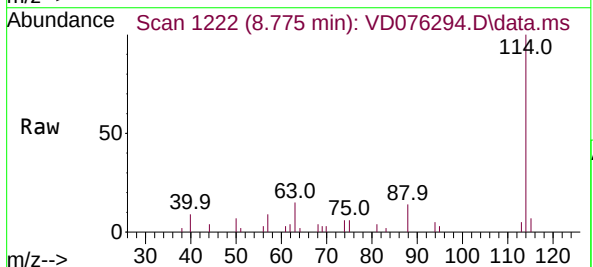
Tgt Ion: 114 Resp: 21446

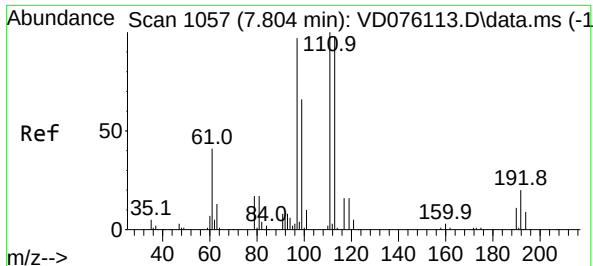
Ion Ratio Lower Upper

114 100

63 15.4 0.0 41.6

88 13.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 82.232 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076294.D

Acq: 31 May 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

SB19

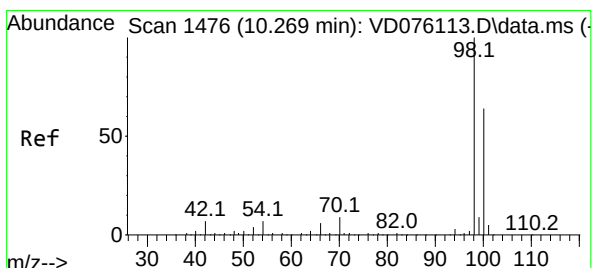
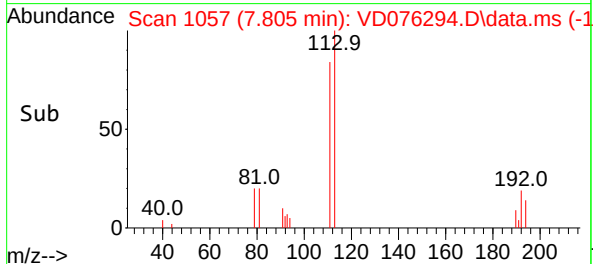
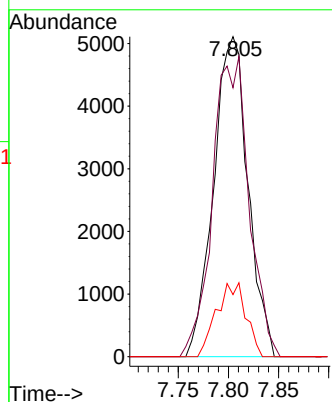
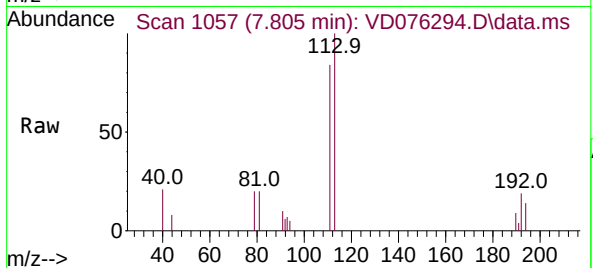
Tgt Ion:113 Resp: 12190

Ion Ratio Lower Upper

113 100

111 99.0 81.4 122.0

192 19.7 15.2 22.8



#50

Toluene-d8

Concen: 37.507 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076294.D

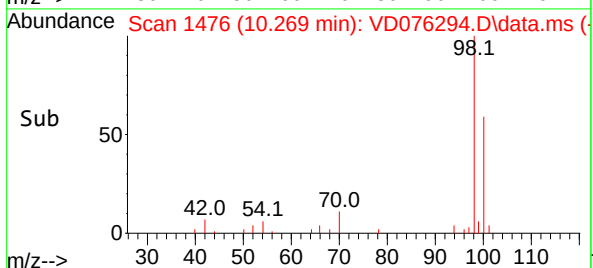
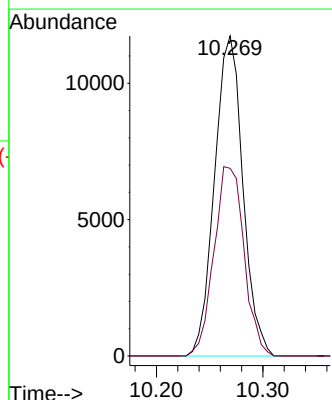
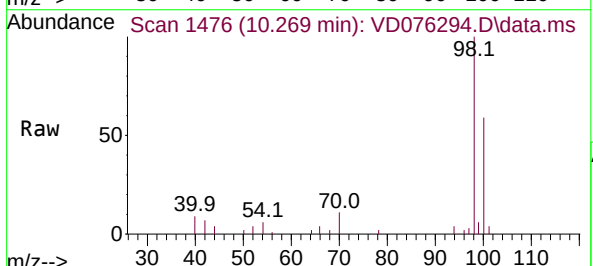
Acq: 31 May 2023 19:53

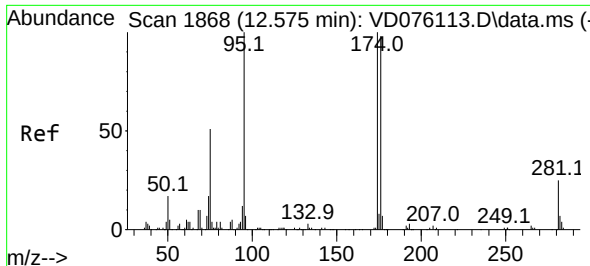
Tgt Ion: 98 Resp: 21674

Ion Ratio Lower Upper

98 100

100 62.7 52.1 78.1

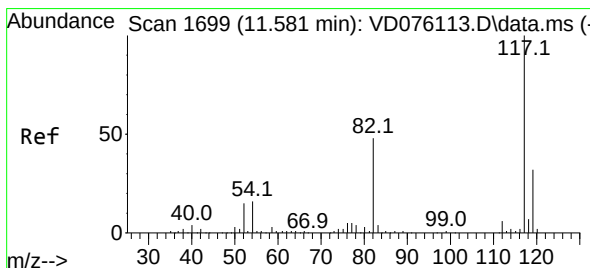
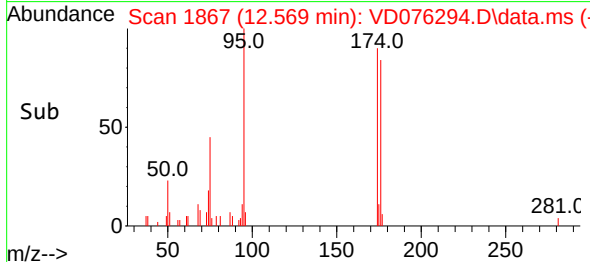
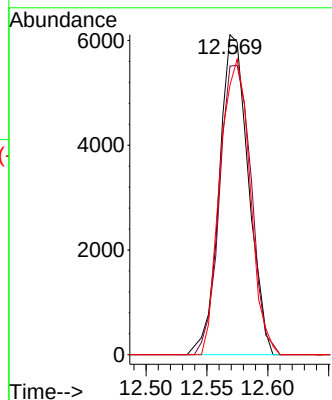
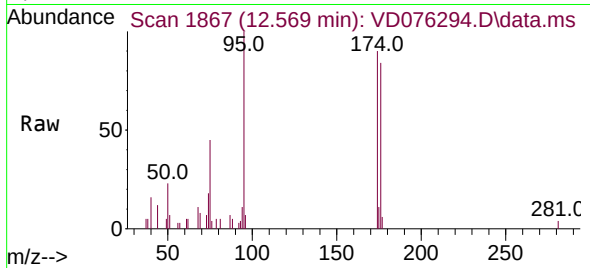




#62
4-Bromofluorobenzene
Concen: 63.591 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076294.D
Acq: 31 May 2023 19:53

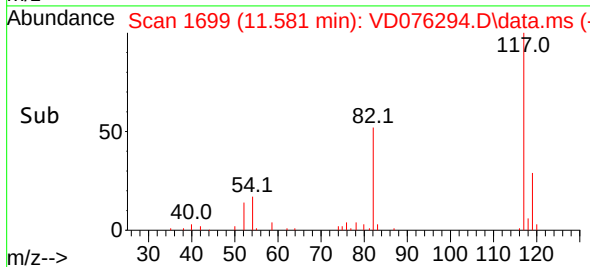
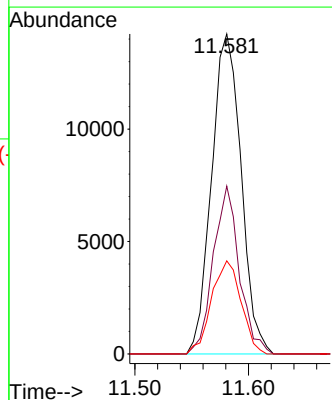
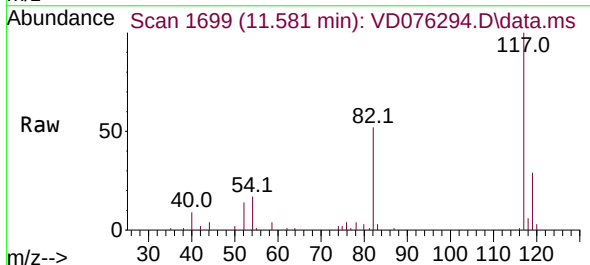
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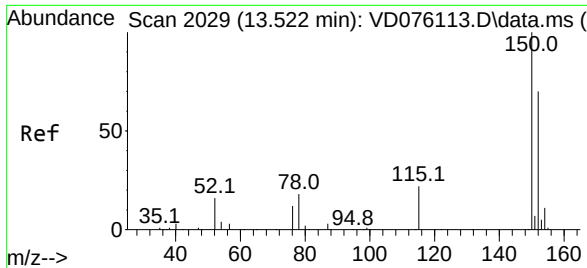
Tgt Ion: 95 Resp: 10208
Ion Ratio Lower Upper
95 100
174 97.1 0.0 164.0
176 94.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076294.D
Acq: 31 May 2023 19:53

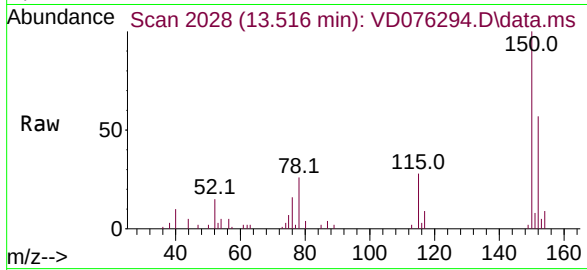
Tgt Ion: 117 Resp: 25706
Ion Ratio Lower Upper
117 100
82 52.4 44.0 66.0
119 29.1 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD076294.D
 Acq: 31 May 2023 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB19



Tgt Ion:	152	Resp:	11954
Ion	Ratio	Lower	Upper
152	100		
115	47.9	30.1	90.3
150	159.1	0.0	364.8

