

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076267.D
 Acq On : 26 May 2023 19:40
 Operator : KP/SY
 Sample : 02953-01
 Misc : 6.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PNNL-RH-524-1

Quant Time: May 26 23:17:23 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)

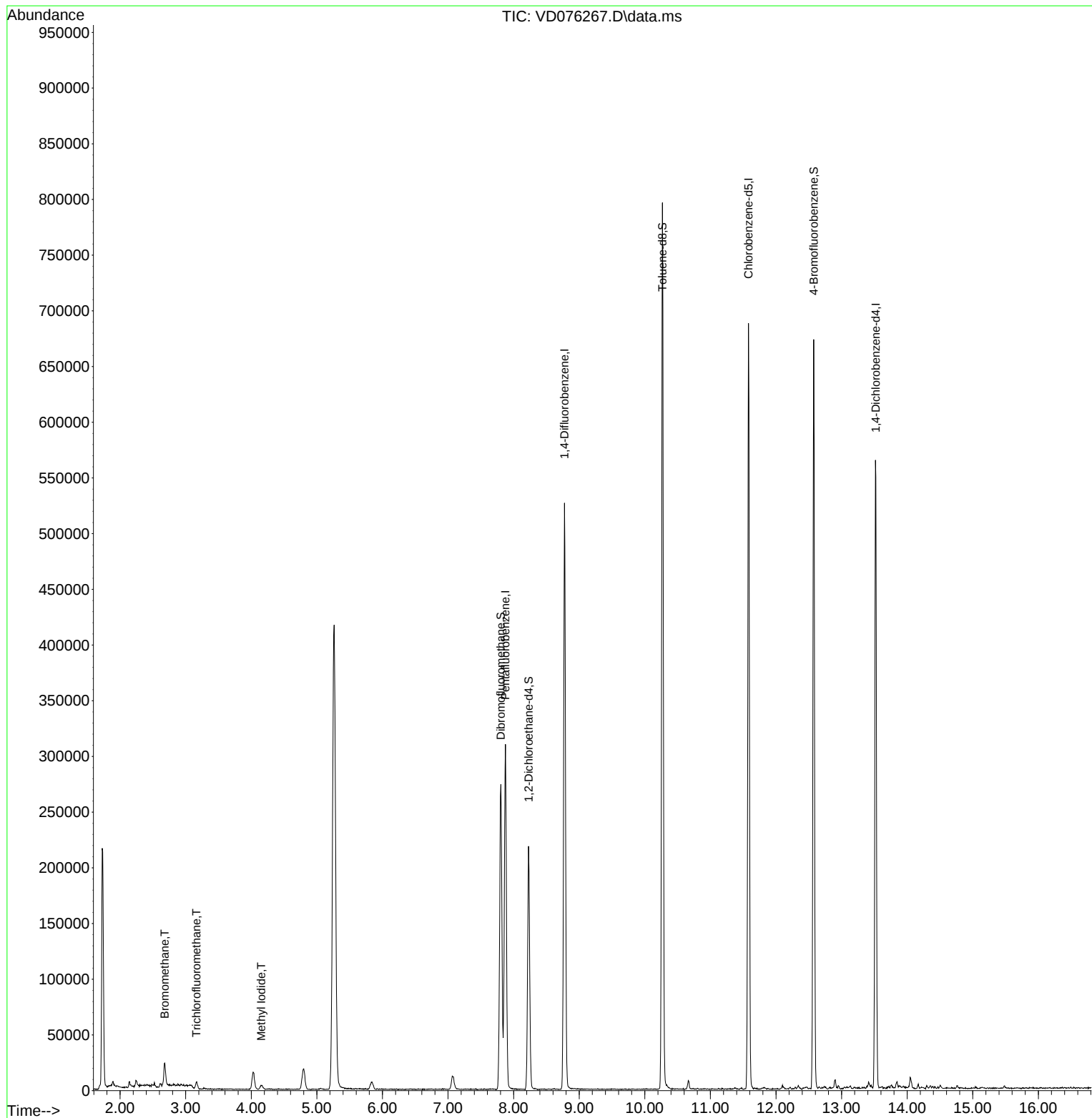
Internal Standards						
1) Pentafluorobenzene	7.875	168	252916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	495531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	425459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	167272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	158649	64.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.800%	
35) Dibromofluoromethane	7.805	113	205075	59.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.740%	
50) Toluene-d8	10.269	98	572797	42.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.800%	
62) 4-Bromofluorobenzene	12.575	95	201418	54.304	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.600%	
Target Compounds						
						Qvalue
5) Bromomethane	2.681	94	14906	4.501	ug/l	97
7) Trichlorofluoromethane	3.164	101	6892	1.653	ug/l	100
10) Methyl Iodide	4.152	142	6773	2.372	ug/l	89

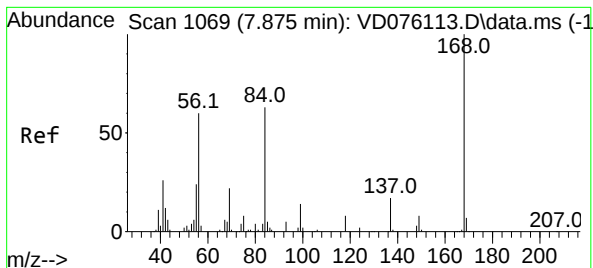
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
Data File : VD076267.D
Acq On : 26 May 2023 19:40
Operator : KP/SY
Sample : 02953-01
Misc : 6.26G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-1

Quant Time: May 26 23:17:23 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

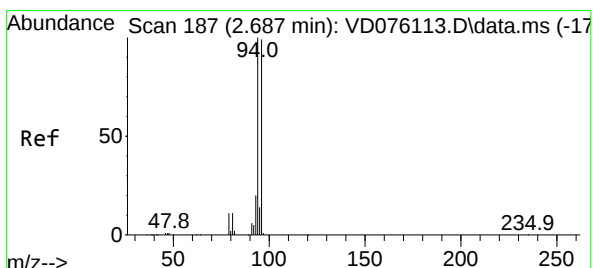
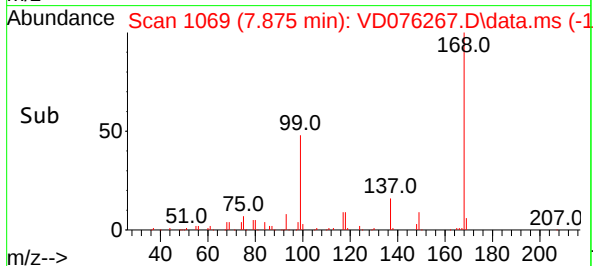
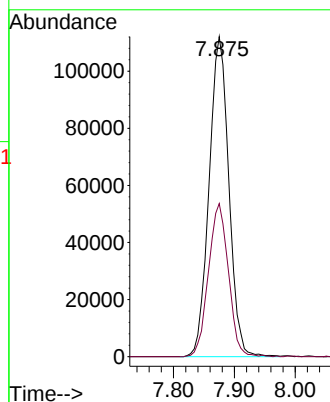
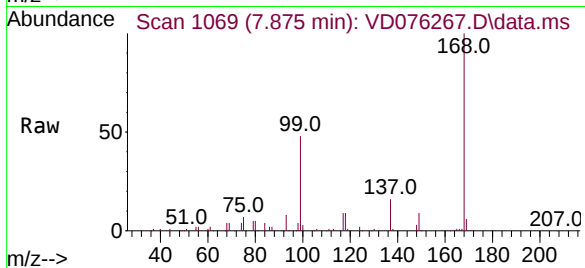




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076267.D
Acq: 26 May 2023 19:40

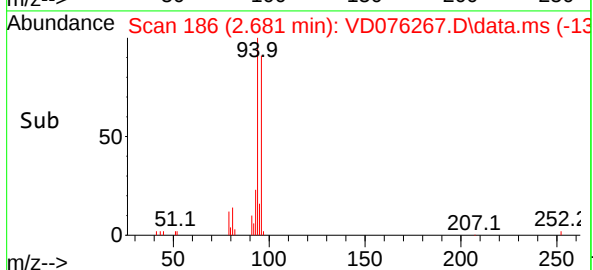
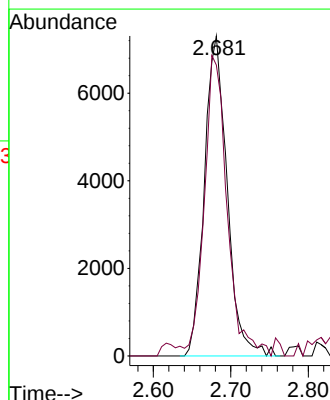
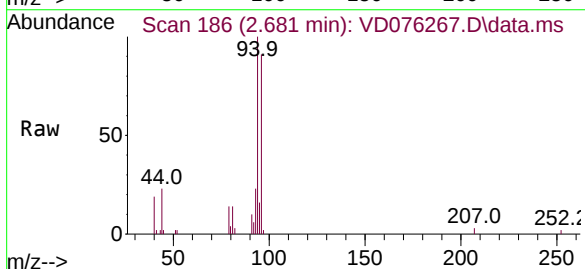
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-1

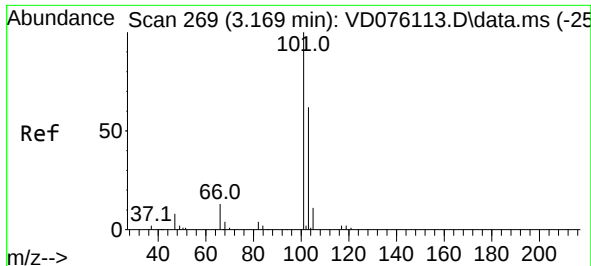
Tgt Ion:168 Resp: 252916
Ion Ratio Lower Upper
168 100
99 47.9 43.8 65.6



#5
Bromomethane
Concen: 4.501 ug/l
RT: 2.681 min Scan# 186
Delta R.T. -0.006 min
Lab File: VD076267.D
Acq: 26 May 2023 19:40

Tgt Ion: 94 Resp: 14906
Ion Ratio Lower Upper
94 100
96 93.9 77.5 116.3

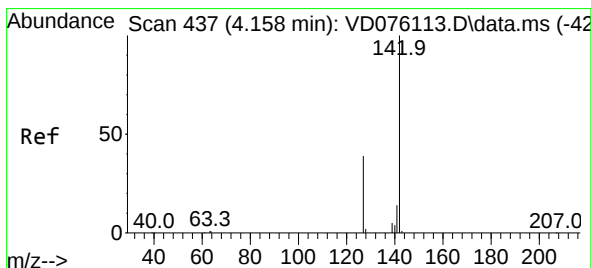
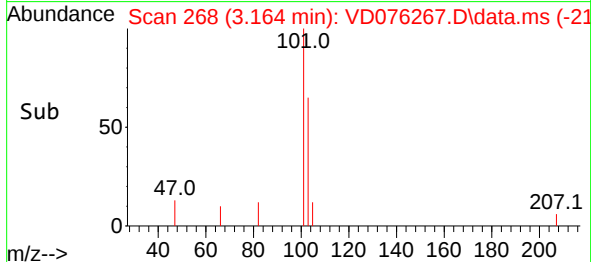
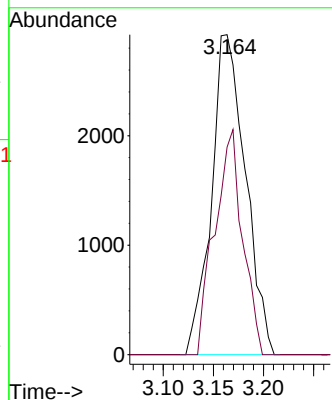
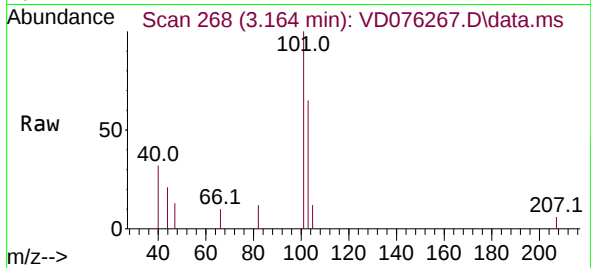




#7
 Trichlorofluoromethane
 Concen: 1.653 ug/l
 RT: 3.164 min Scan# 20
 Delta R.T. -0.005 min
 Lab File: VD076267.D
 Acq: 26 May 2023 19:40

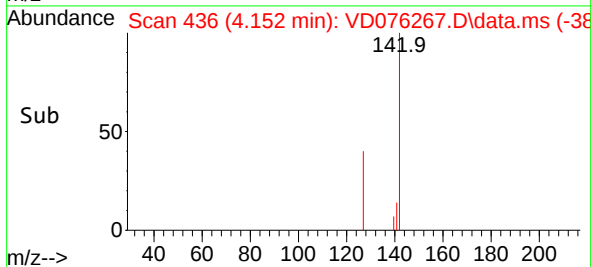
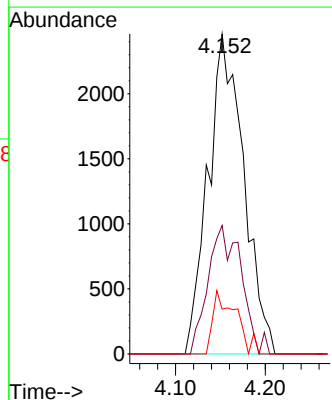
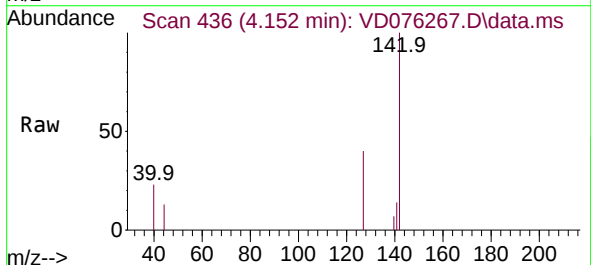
Instrument :
 MSVOA_D
 ClientSampleId :
 PNNL-RH-524-1

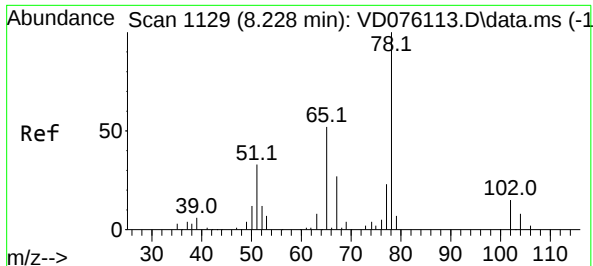
Tgt Ion:101 Resp: 6892
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9



#10
 Methyl Iodide
 Concen: 2.372 ug/l
 RT: 4.152 min Scan# 436
 Delta R.T. -0.012 min
 Lab File: VD076267.D
 Acq: 26 May 2023 19:40

Tgt Ion:142 Resp: 6773
 Ion Ratio Lower Upper
 142 100
 127 37.6 37.1 55.7
 141 12.7 11.3 16.9





#33

1,2-Dichloroethane-d4

Concen: 64.904 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076267.D

Acq: 26 May 2023 19:40

Instrument :

MSVOA_D

ClientSampleId :

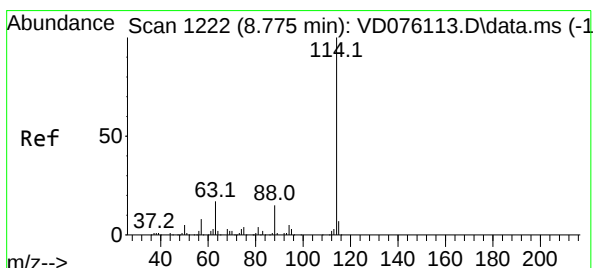
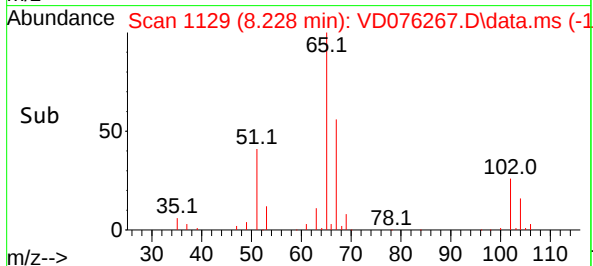
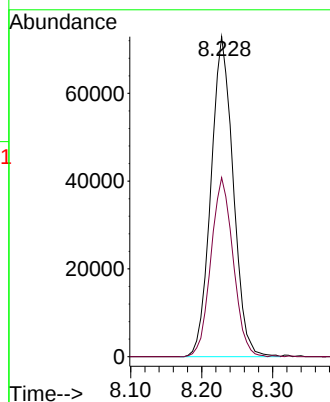
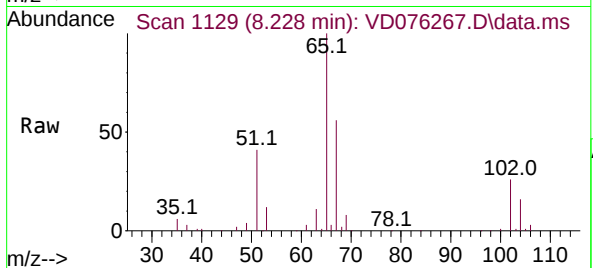
PNNL-RH-524-1

Tgt Ion: 65 Resp: 158649

Ion Ratio Lower Upper

65 100

67 55.9 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: VD076267.D

Acq: 26 May 2023 19:40

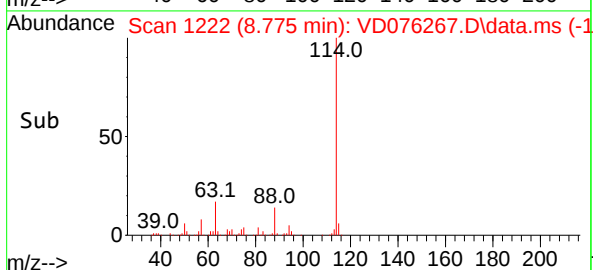
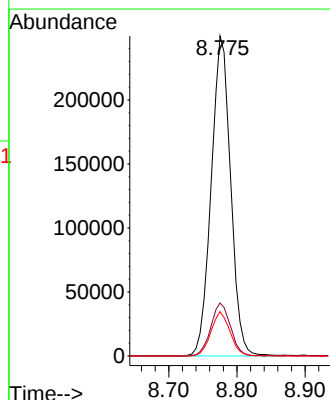
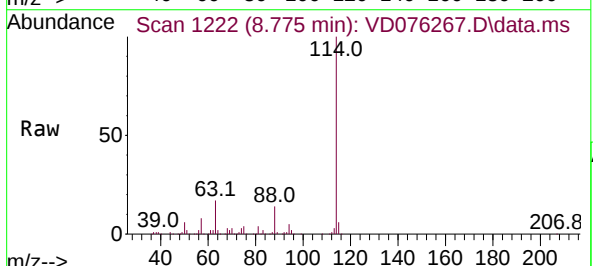
Tgt Ion: 114 Resp: 495531

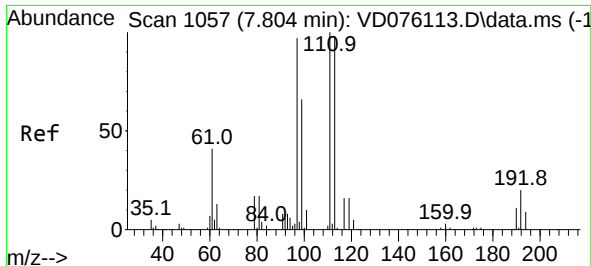
Ion Ratio Lower Upper

114 100

63 16.6 0.0 41.6

88 13.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 59.872 ug/l

RT: 7.805 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD076267.D

Acq: 26 May 2023 19:40

Instrument :

MSVOA_D

ClientSampleId :

PNNL-RH-524-1

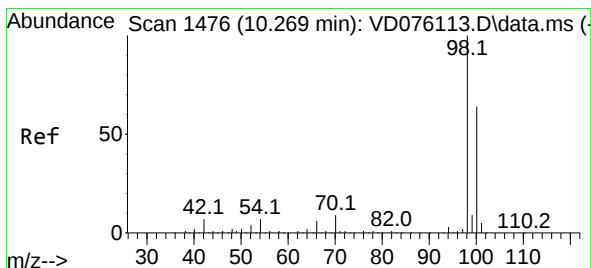
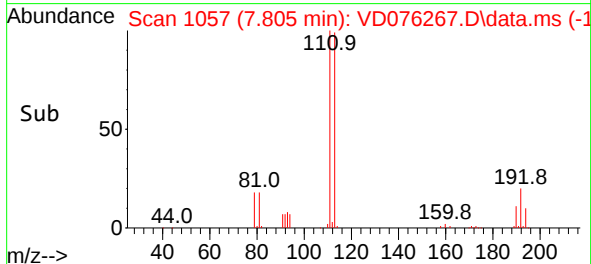
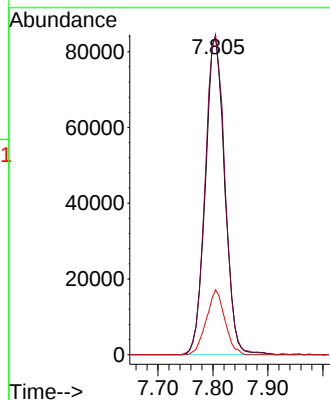
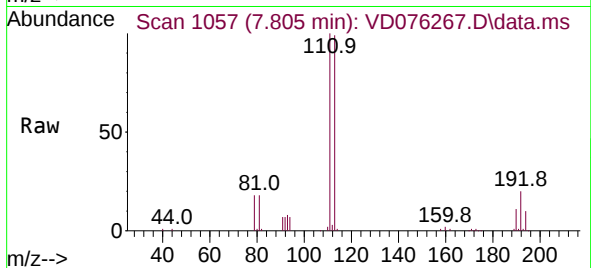
Tgt Ion:113 Resp: 205075

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 19.6 15.2 22.8



#50

Toluene-d8

Concen: 42.899 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076267.D

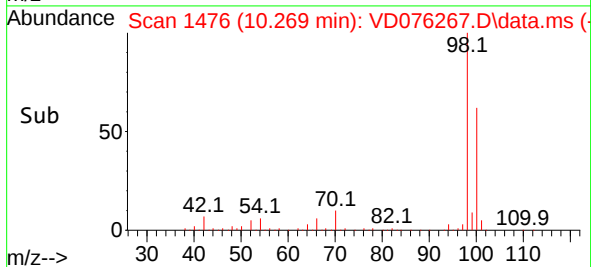
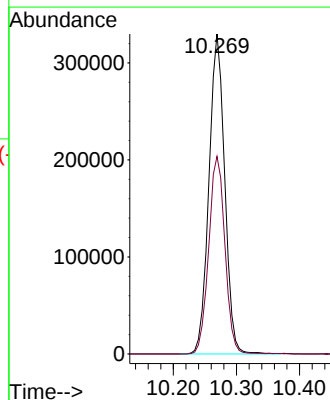
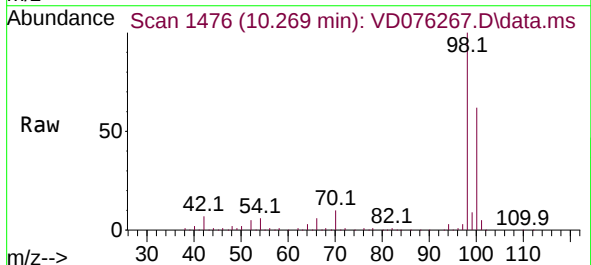
Acq: 26 May 2023 19:40

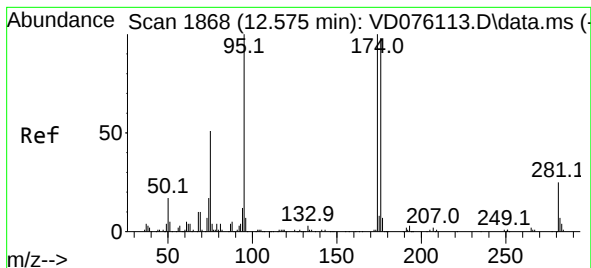
Tgt Ion: 98 Resp: 572797

Ion Ratio Lower Upper

98 100

100 63.5 52.1 78.1

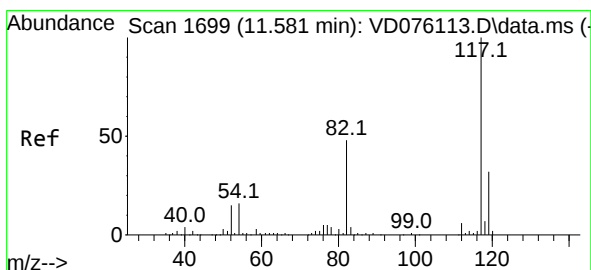
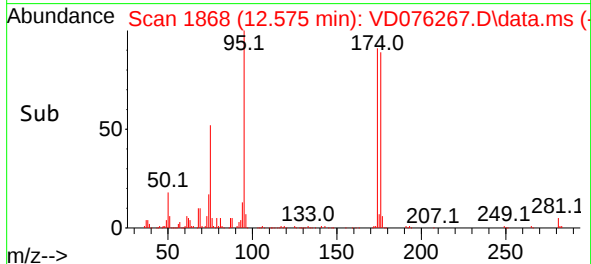
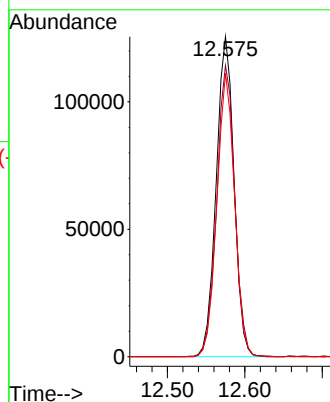
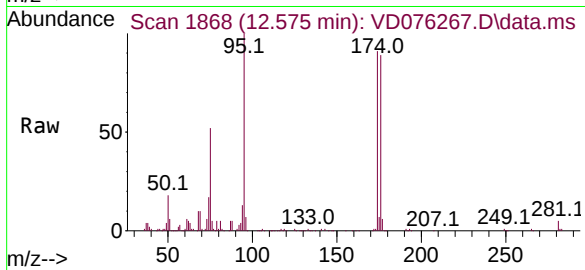




#62
4-Bromofluorobenzene
Concen: 54.304 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076267.D
Acq: 26 May 2023 19:40

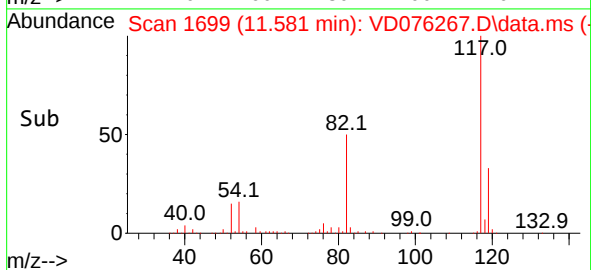
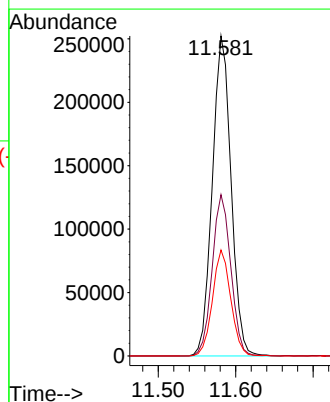
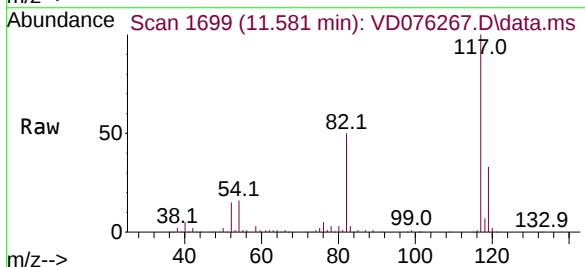
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-1

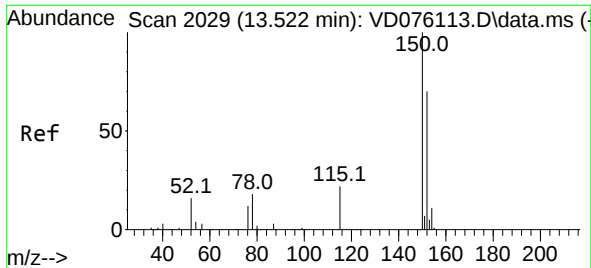
Tgt Ion: 95 Resp: 201418
Ion Ratio Lower Upper
95 100
174 91.8 0.0 164.0
176 87.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076267.D
Acq: 26 May 2023 19:40

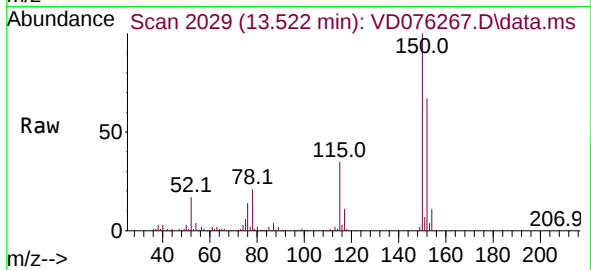
Tgt Ion: 117 Resp: 425459
Ion Ratio Lower Upper
117 100
82 50.4 44.0 66.0
119 33.1 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076267.D
 Acq: 26 May 2023 19:40

Instrument :
 MSVOA_D
 ClientSampleId :
 PNNL-RH-524-1



Tgt Ion:152 Resp: 167272
 Ion Ratio Lower Upper
 152 100
 115 52.7 30.1 90.3
 150 156.1 0.0 364.8

