

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078063.D
 Acq On : 22 Dec 2023 14:52
 Operator : RP/MD
 Sample : 05980-01
 Misc : 5.60G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MR-315-0-2

Quant Time: Dec 23 03:37:16 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)

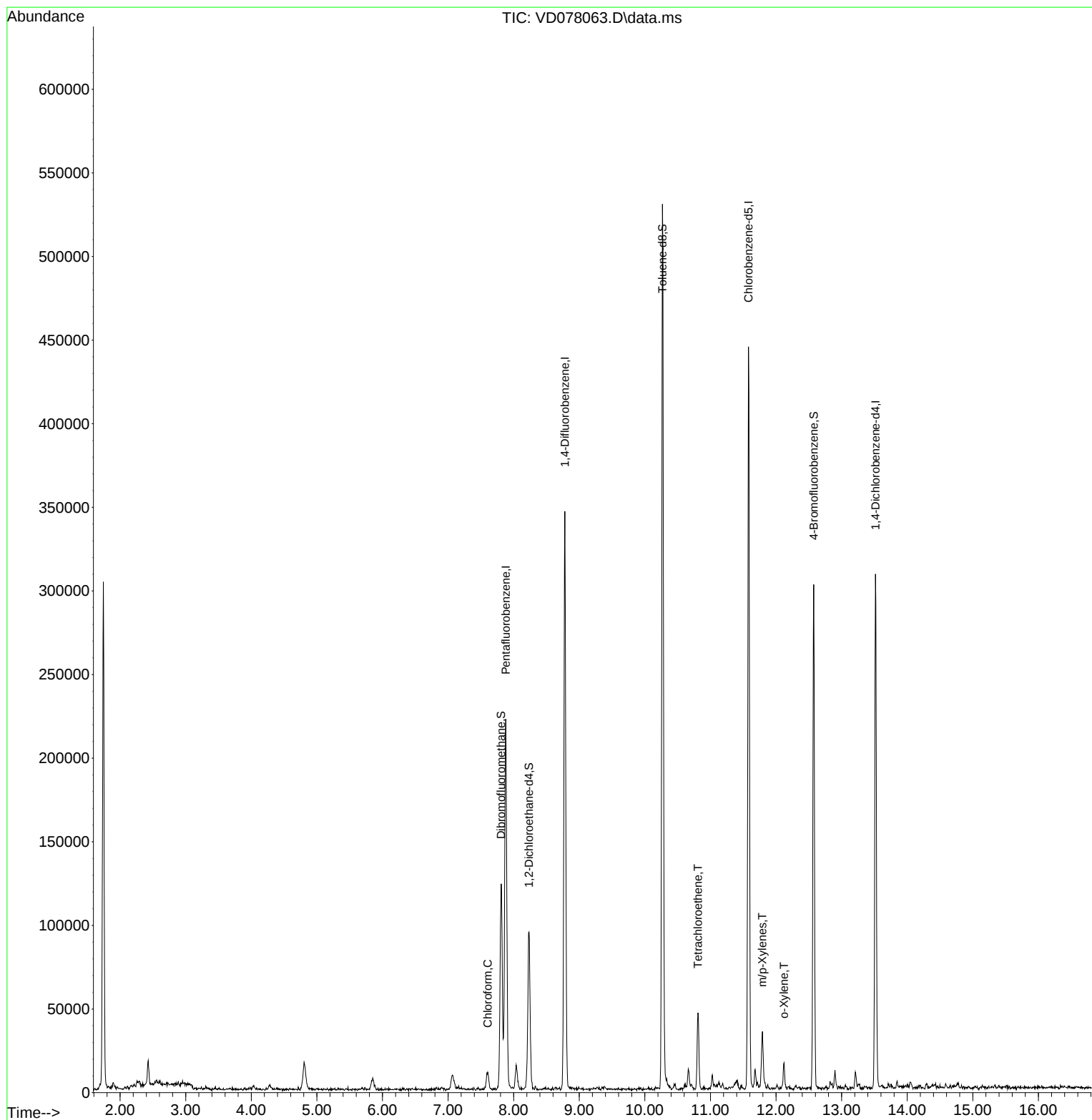
Internal Standards						
1) Pentafluorobenzene	7.881	168	169255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	300073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	259756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73363	36.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.560%
35) Dibromofluoromethane	7.810	113	89143	42.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.820%
50) Toluene-d8	10.269	98	367756	43.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.360%
62) 4-Bromofluorobenzene	12.575	95	89191	35.437	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.880%
Target Compounds						
					Qvalue	
30) Chloroform	7.604	83	10711	2.703	ug/l	92
64) Tetrachloroethene	10.810	164	10406	5.451	ug/l	93
68) m/p-Xylenes	11.793	106	9763	2.360	ug/l	99
69) o-Xylene	12.122	106	3952	1.037	ug/l	96

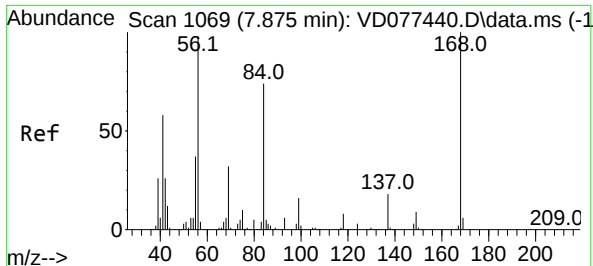
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration

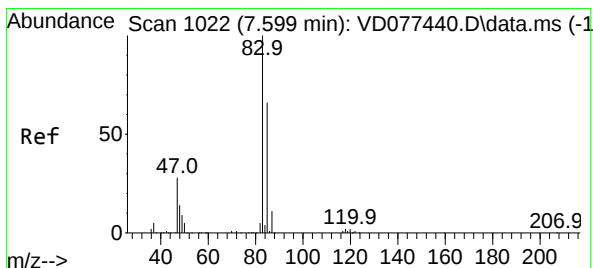
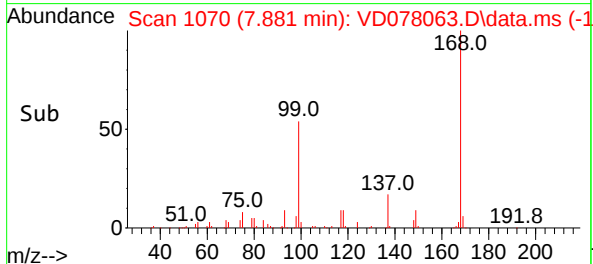
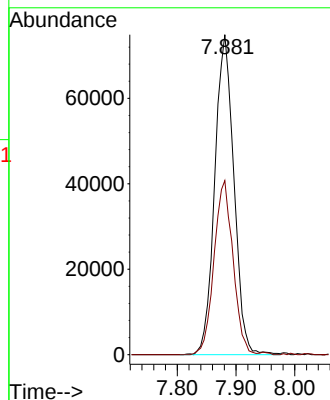
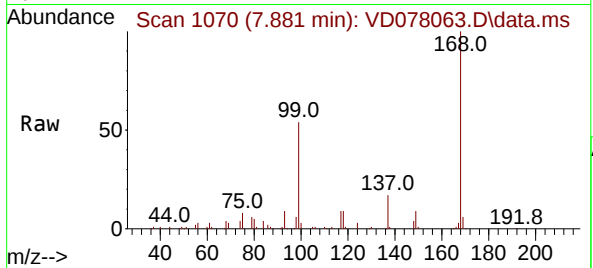




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

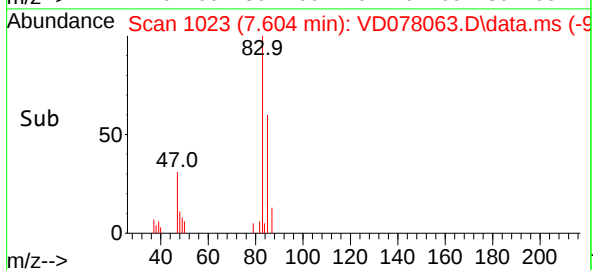
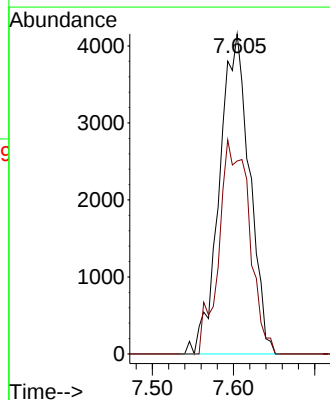
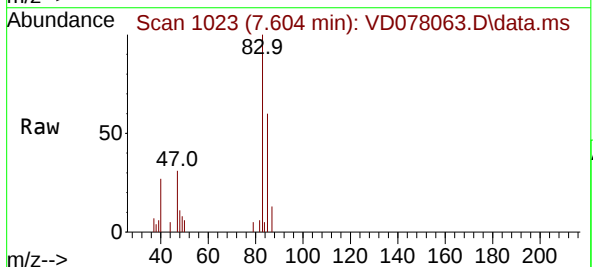
Instrument :
MSVOA_D
ClientSampleId :
MR-315-0-2

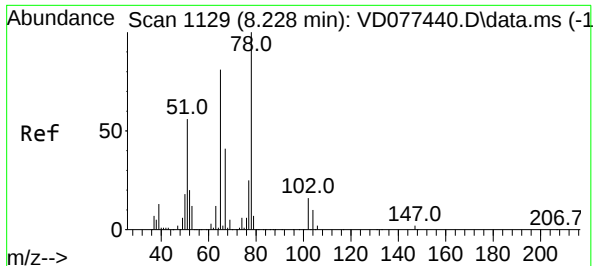
Tgt Ion:168 Resp: 169255
Ion Ratio Lower Upper
168 100
99 54.4 36.7 55.1



#30
Chloroform
Concen: 2.703 ug/l
RT: 7.604 min Scan# 1023
Delta R.T. 0.005 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion: 83 Resp: 10711
Ion Ratio Lower Upper
83 100
85 60.3 53.4 80.2





#33

1,2-Dichloroethane-d4

Concen: 36.784 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

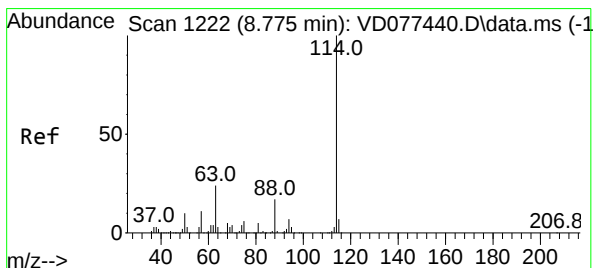
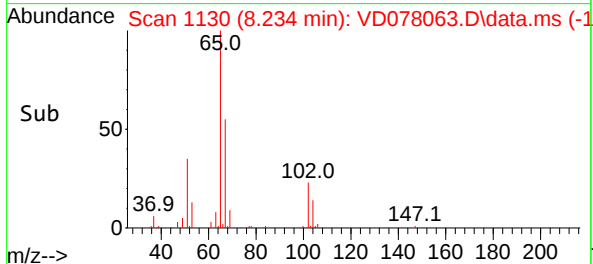
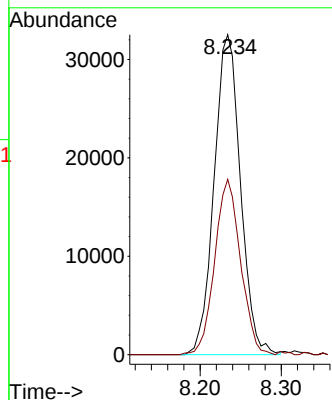
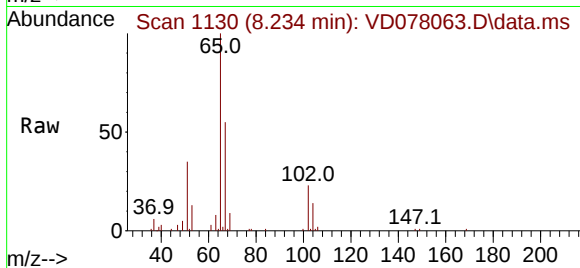
MR-315-0-2

Tgt Ion: 65 Resp: 73363

Ion Ratio Lower Upper

65 100

67 53.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

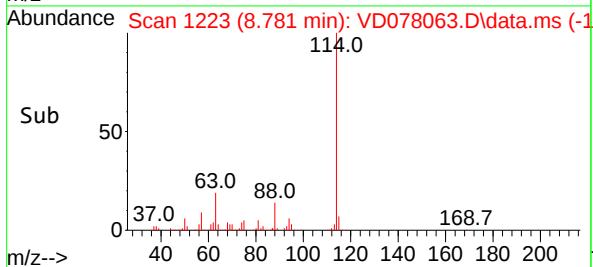
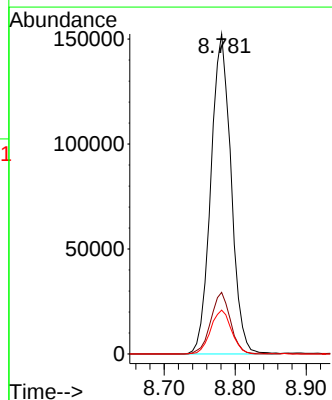
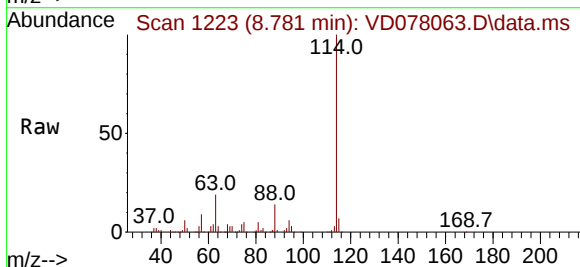
Tgt Ion: 114 Resp: 300073

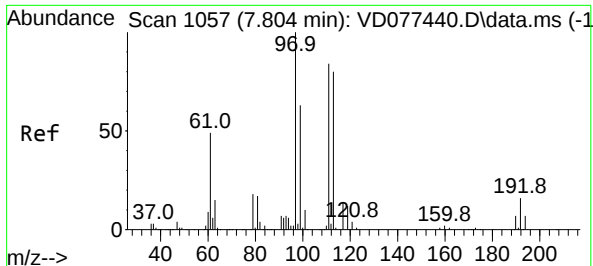
Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

88 13.7 0.0 26.2

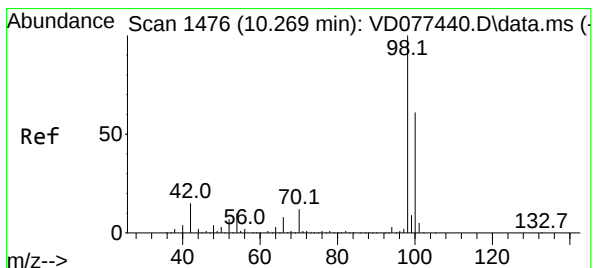
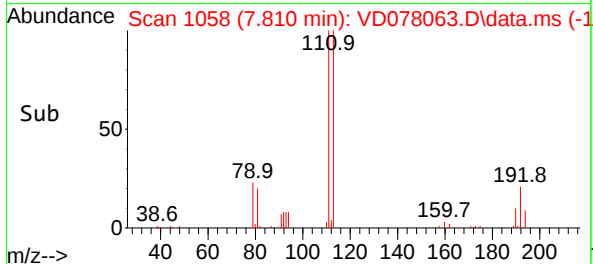
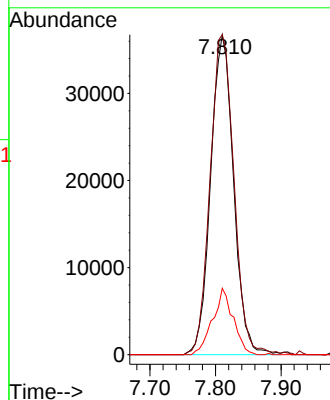
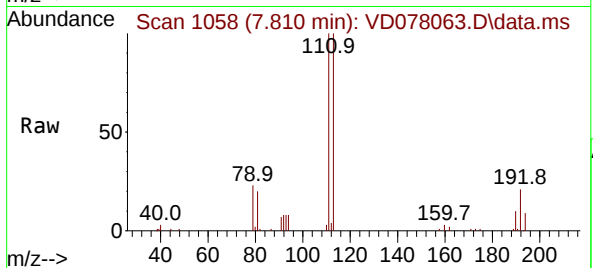




#35
 Dibromofluoromethane
 Concen: 42.411 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD078063.D
 Acq: 22 Dec 2023 14:52

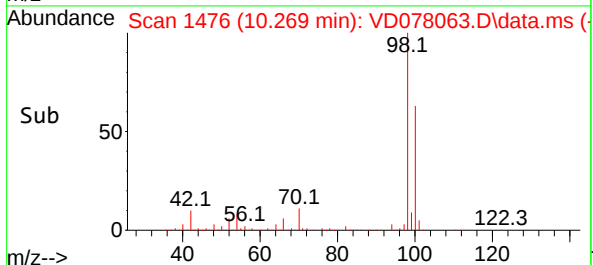
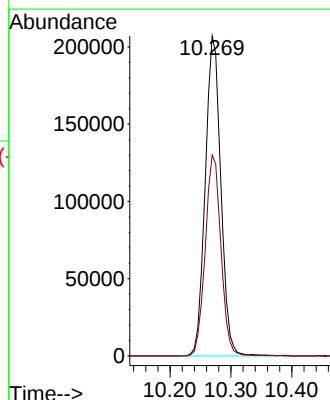
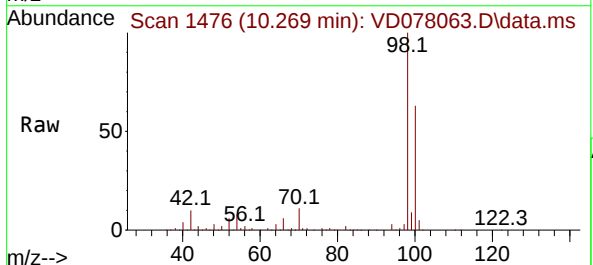
Instrument :
 MSVOA_D
 ClientSampleId :
 MR-315-0-2

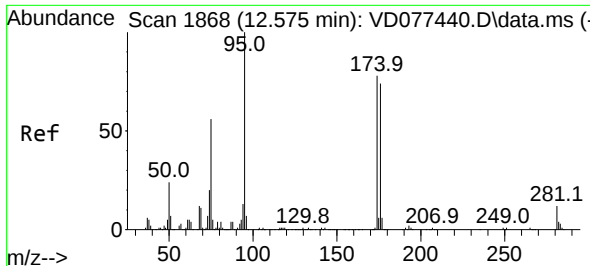
Tgt Ion:113 Resp: 89143
 Ion Ratio Lower Upper
 113 100
 111 104.0 84.7 127.1
 192 18.6 16.8 25.2



#50
 Toluene-d8
 Concen: 43.685 ug/l
 RT: 10.269 min Scan# 1476
 Delta R.T. 0.000 min
 Lab File: VD078063.D
 Acq: 22 Dec 2023 14:52

Tgt Ion: 98 Resp: 367756
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.3 75.5

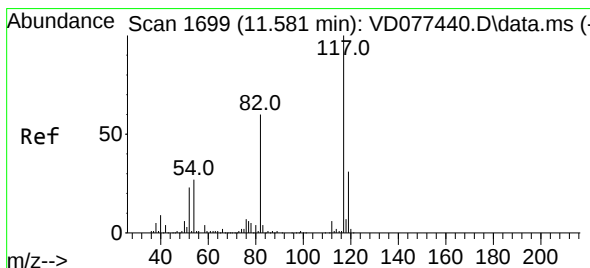
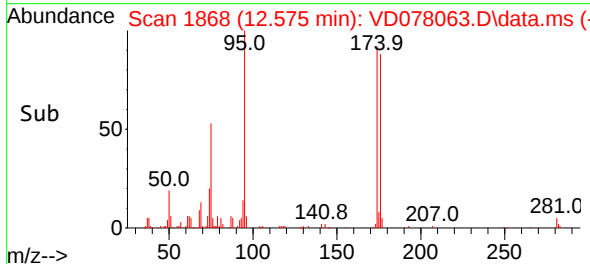
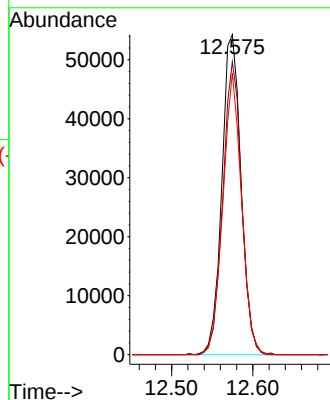
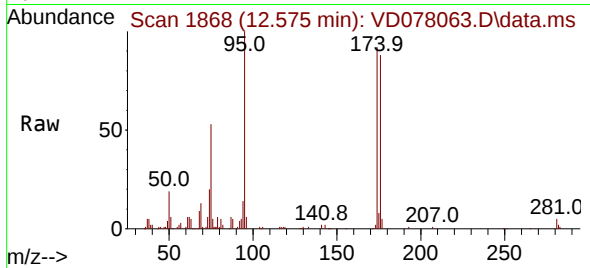




#62
4-Bromofluorobenzene
Concen: 35.437 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

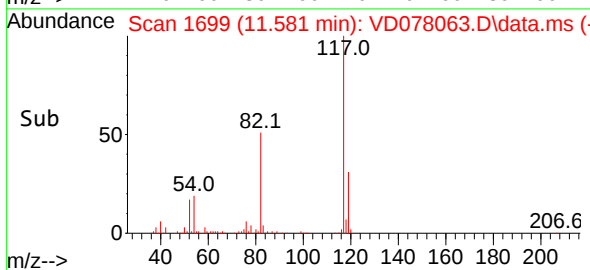
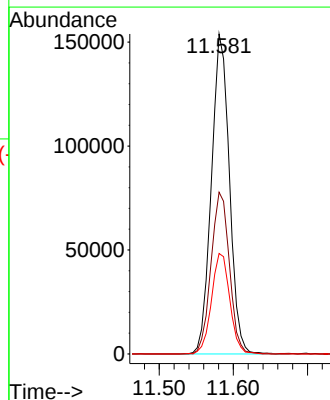
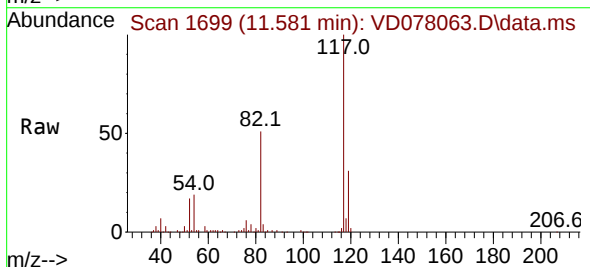
Instrument :
MSVOA_D
ClientSampleId :
MR-315-0-2

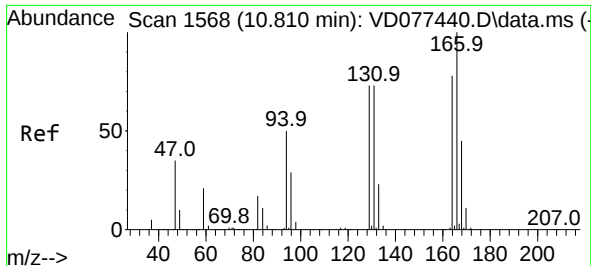
Tgt Ion:	95	Resp:	89191
Ion Ratio	Lower	Upper	
95	100		
174	90.1	0.0	201.8
176	85.5	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion:	117	Resp:	259756
Ion Ratio	Lower	Upper	
117	100		
82	50.5	38.3	57.5
119	31.4	25.0	37.4

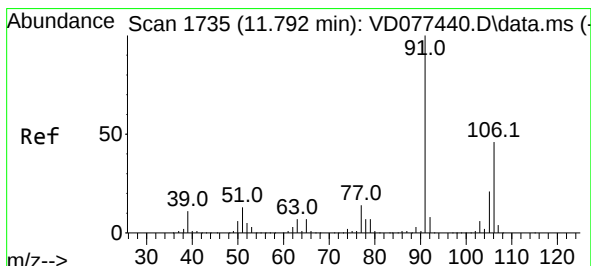
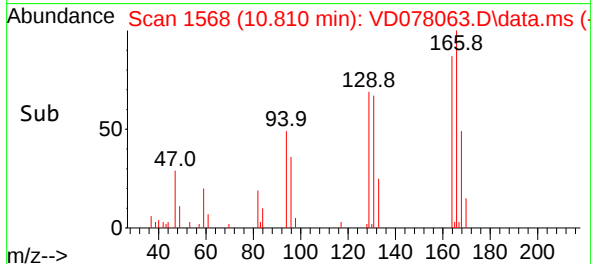
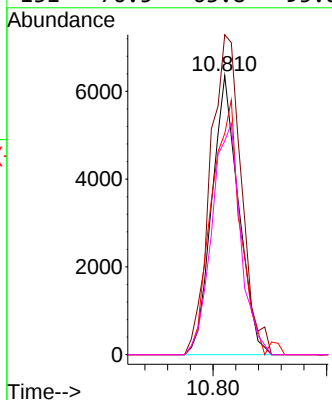
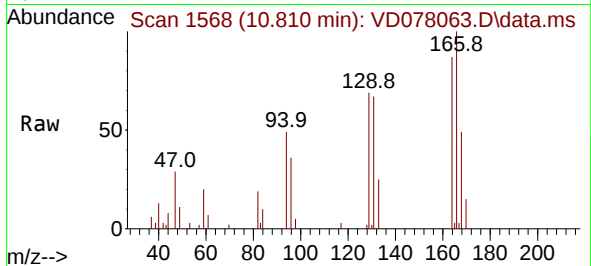




#64
Tetrachloroethene
Concen: 5.451 ug/l
RT: 10.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

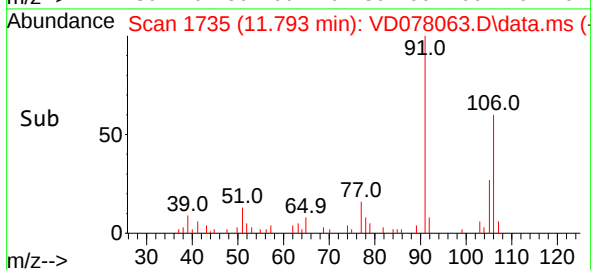
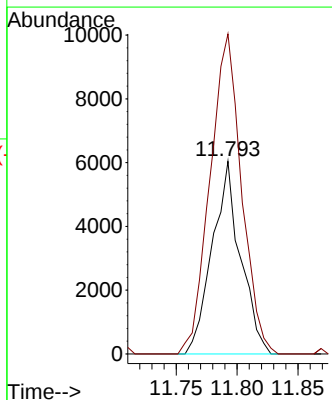
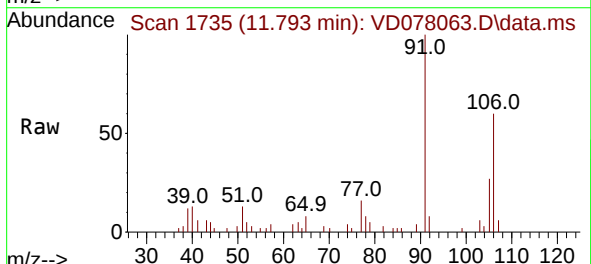
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MR-315-0-2

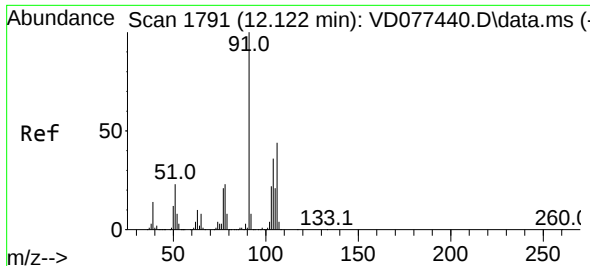
Tgt Ion:164	Resp:	10406
Ion Ratio	Lower	Upper
164	100	
166	114.7	99.2 148.8
129	79.3	68.4 102.6
131	76.5	63.8 95.8



#68
m/p-Xylenes
Concen: 2.360 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.001 min
Lab File: VD078063.D
Acq: 22 Dec 2023 14:52

Tgt Ion:106	Resp:	9763
Ion Ratio	Lower	Upper
106	100	
91	185.1	147.0 220.6





#69

o-Xylene

Concen: 1.037 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

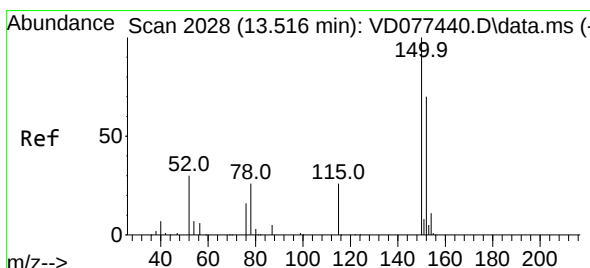
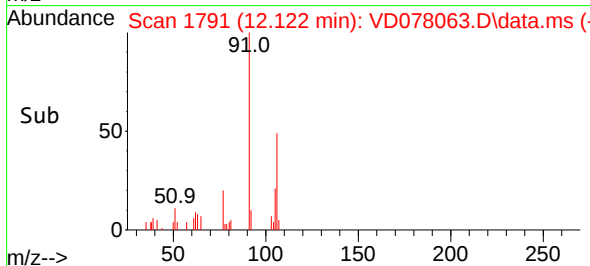
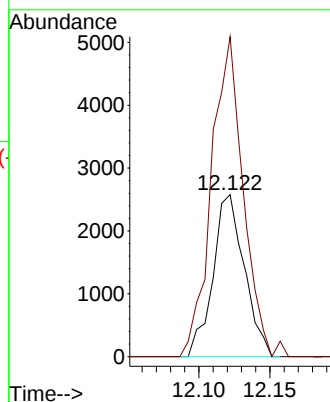
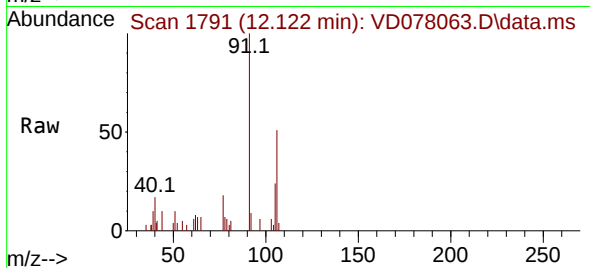
MR-315-0-2

Tgt Ion:106 Resp: 3952

Ion Ratio Lower Upper

106 100

91 200.9 97.9 293.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078063.D

Acq: 22 Dec 2023 14:52

Tgt Ion:152 Resp: 83281

Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 157.9 0.0 353.6

