

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101022\
 Data File : VD074508.D
 Acq On : 10 Oct 2022 17:51
 Operator : VA/SY
 Sample : N5066-18
 Misc : 6.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C1(0-1)

Quant Time: Oct 11 08:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

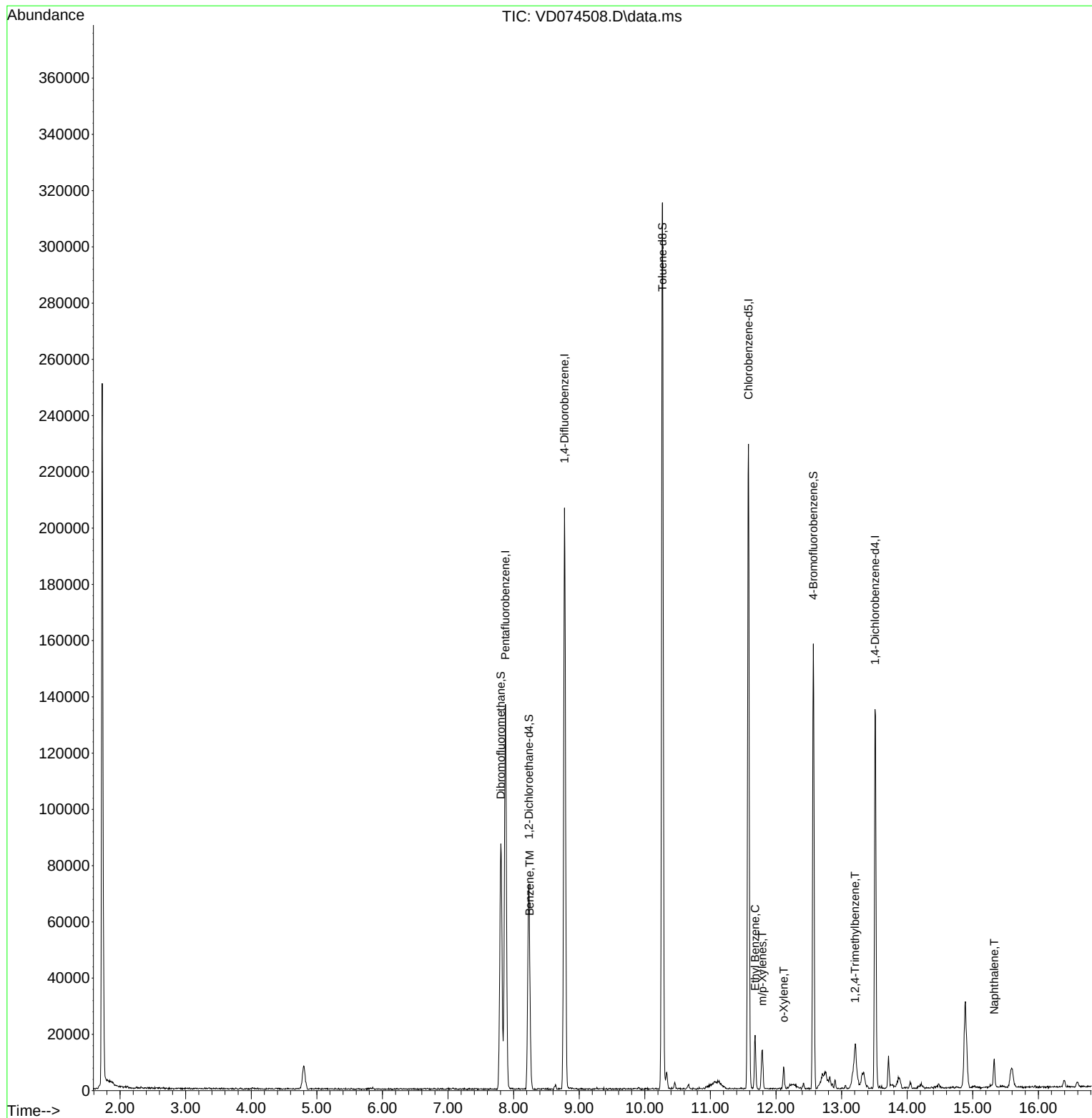
Internal Standards						
1) Pentafluorobenzene	7.875	168	107099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	193574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	144275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	39764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	55644	58.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.960%	
35) Dibromofluoromethane	7.805	113	64483	50.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.040%	
50) Toluene-d8	10.269	98	230079	49.371	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	12.569	95	49213	31.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 63.840%	
Target Compounds						
					Qvalue	
40) Benzene	8.246	78	7487	1.439	ug/l	95
67) Ethyl Benzene	11.681	91	14314	2.754	ug/l	97
68) m/p-Xylenes	11.793	106	5075	2.485	ug/l	96
69) o-Xylene	12.116	106	2254	1.201	ug/l	86
84) 1,2,4-Trimethylbenzene	13.204	105	3750	1.580	ug/l	86
95) Naphthalene	15.328	128	10173	7.180	ug/l	97

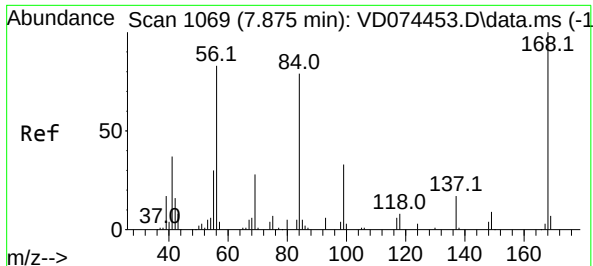
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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C1(0-1)

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QLast Update : Thu Oct 06 01:54:40 2022
Response via : Initial Calibration

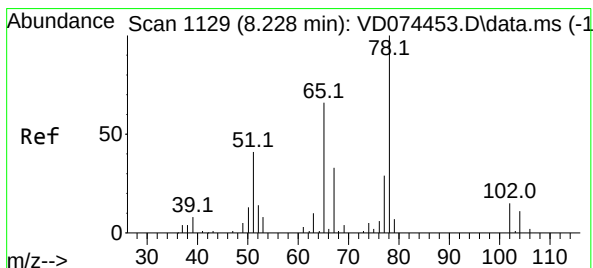
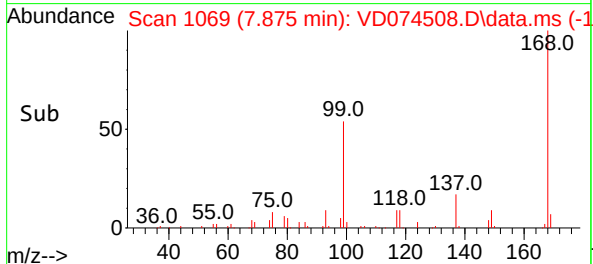
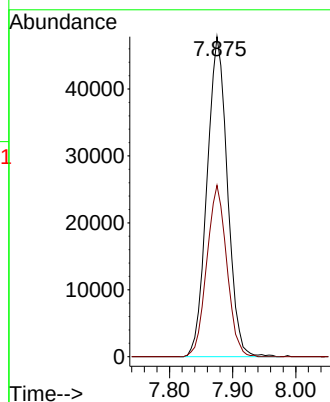
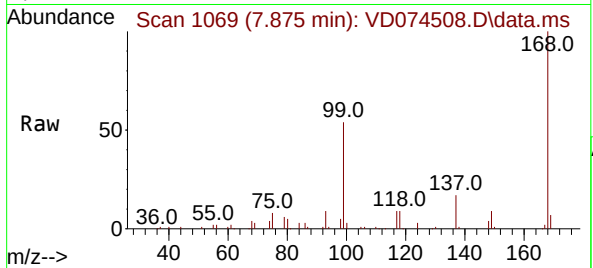




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

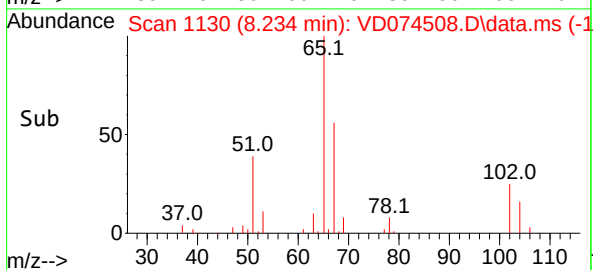
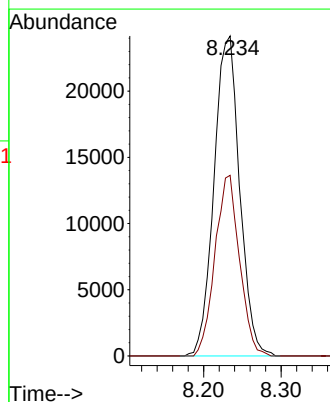
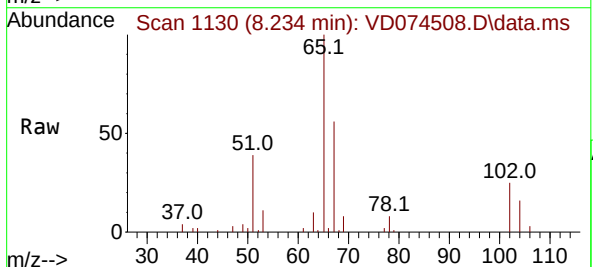
Instrument :
MSVOA_D
ClientSampleId :
C1(0-1)

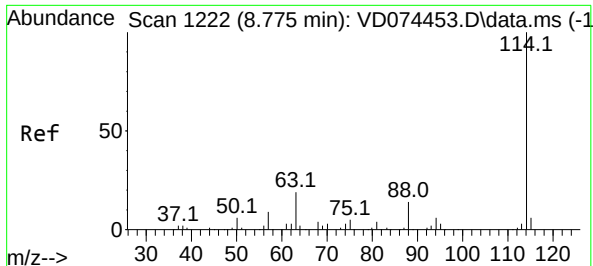
Tgt Ion:168 Resp: 107099
Ion Ratio Lower Upper
168 100
99 53.5 40.9 61.3



#33
1,2-Dichloroethane-d4
Concen: 58.478 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 65 Resp: 55644
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

C1(0-1)

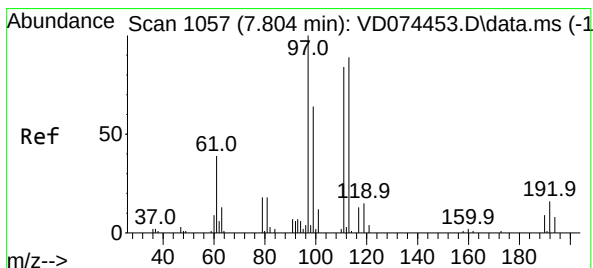
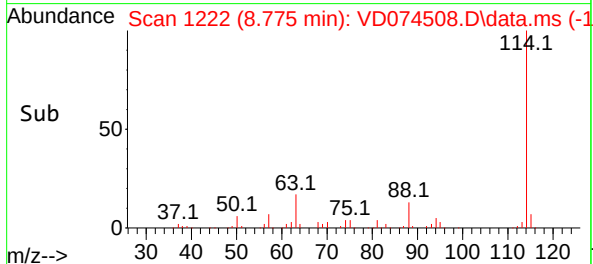
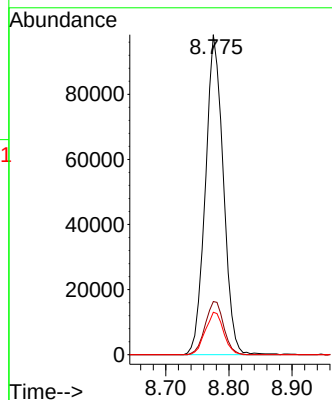
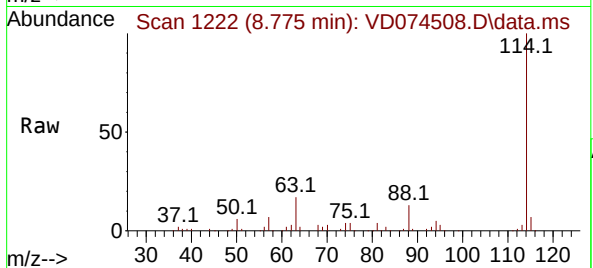
Tgt Ion:114 Resp: 193574

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.518 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074508.D

Acq: 10 Oct 2022 17:51

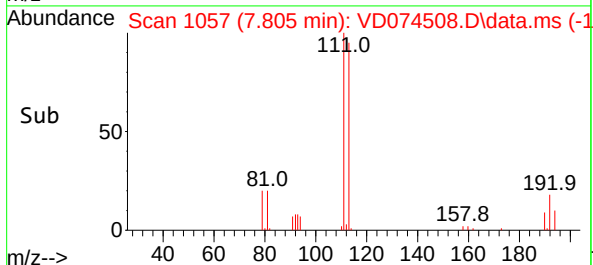
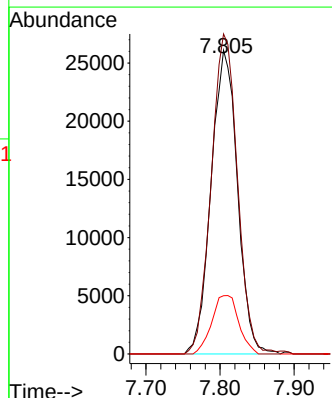
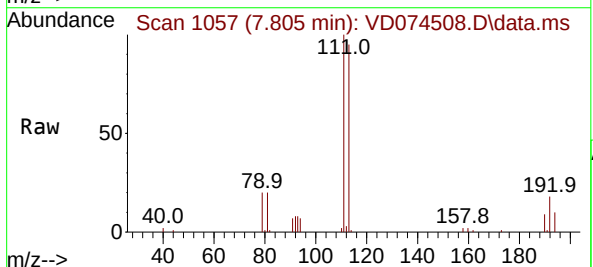
Tgt Ion:113 Resp: 64483

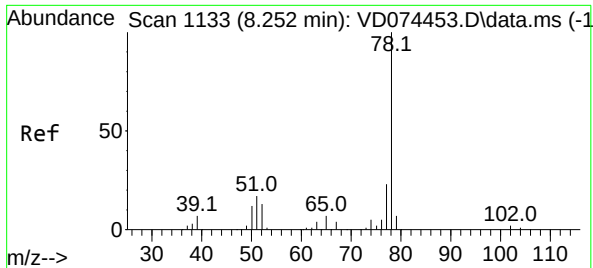
Ion Ratio Lower Upper

113 100

111 104.9 82.3 123.5

192 19.6 16.4 24.6

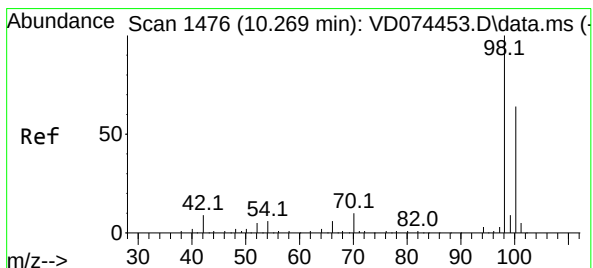
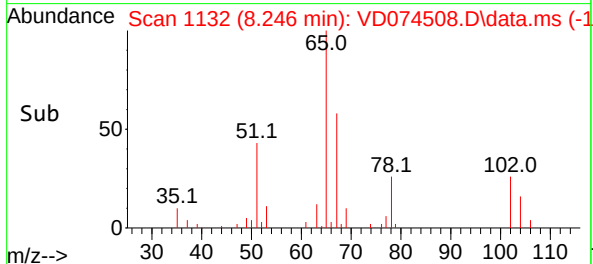
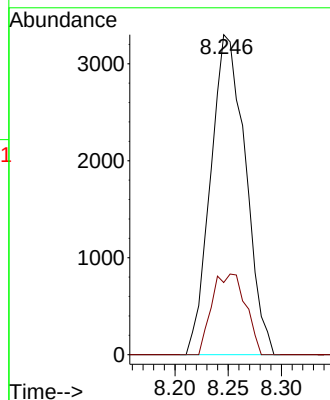
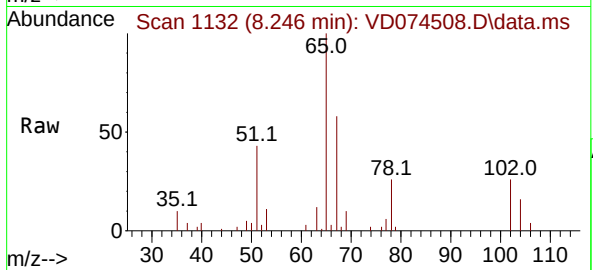




#40
Benzene
Concen: 1.439 ug/l
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

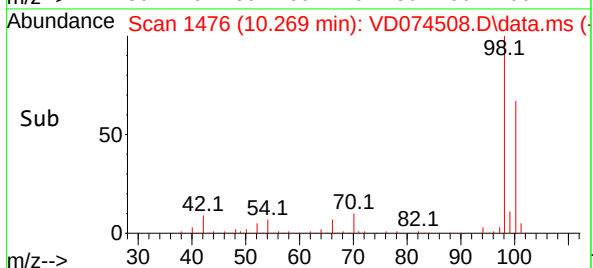
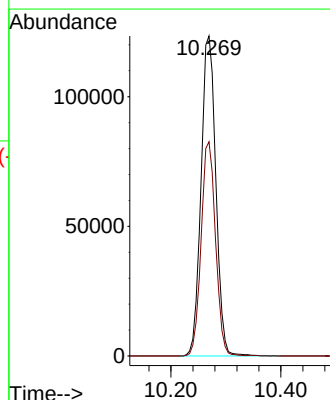
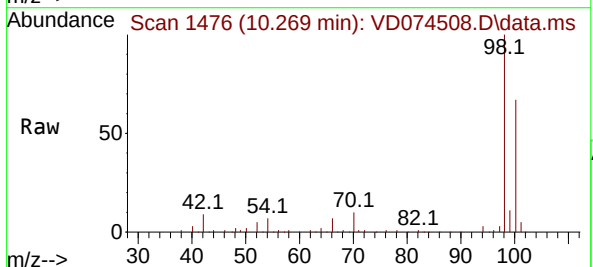
Instrument :
MSVOA_D
ClientSampleId :
C1(0-1)

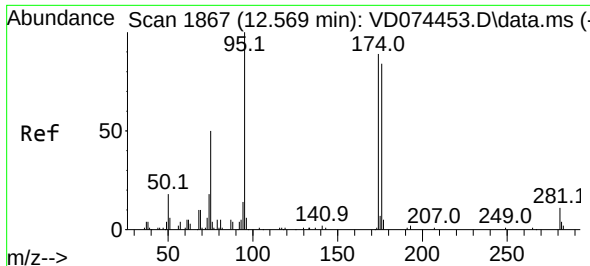
Tgt Ion: 78 Resp: 7487
Ion Ratio Lower Upper
78 100
77 22.5 20.1 30.1



#50
Toluene-d8
Concen: 49.371 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 98 Resp: 230079
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

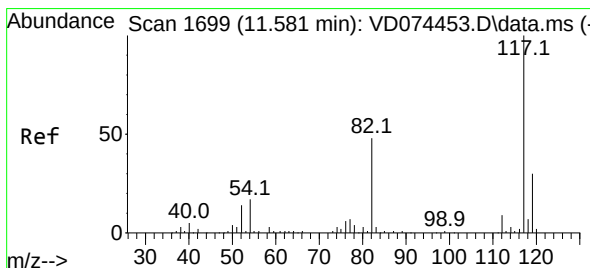
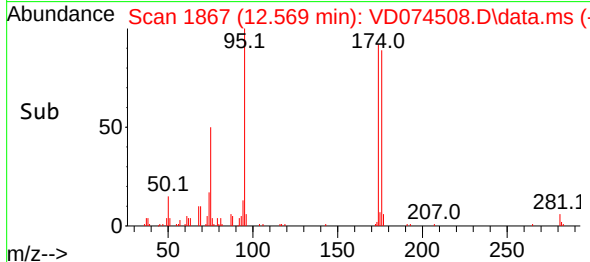
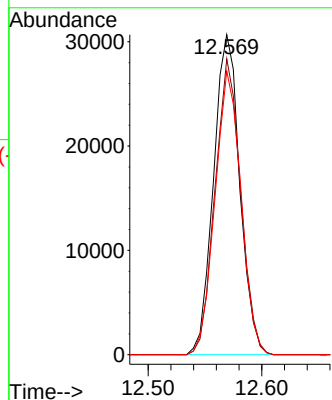
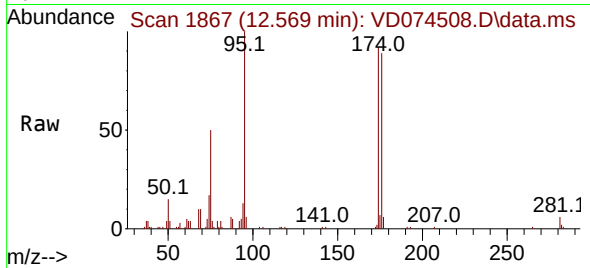




#62
4-Bromofluorobenzene
Concen: 31.922 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

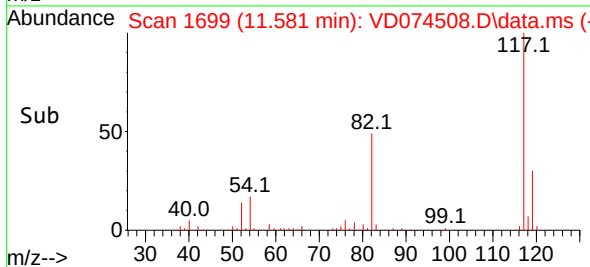
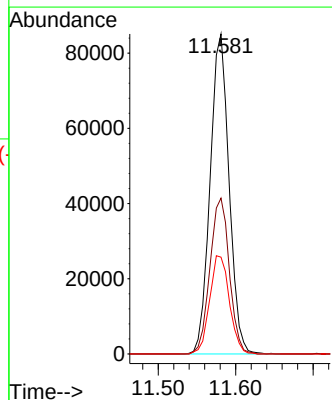
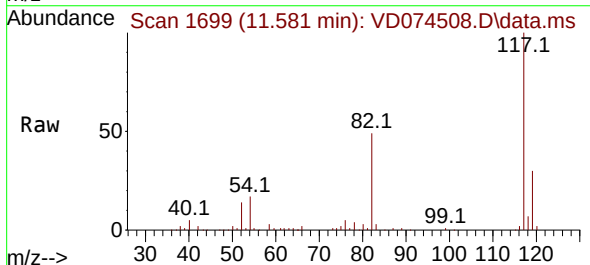
Instrument :
MSVOA_D
ClientSampleId :
C1(0-1)

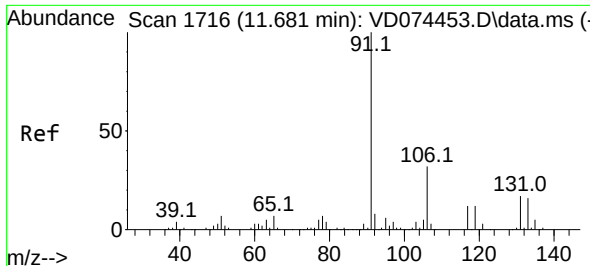
Tgt Ion: 95 Resp: 49213
Ion Ratio Lower Upper
95 100
174 90.2 0.0 197.0
176 87.8 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 117 Resp: 144275
Ion Ratio Lower Upper
117 100
82 48.7 41.6 62.4
119 30.2 25.2 37.8

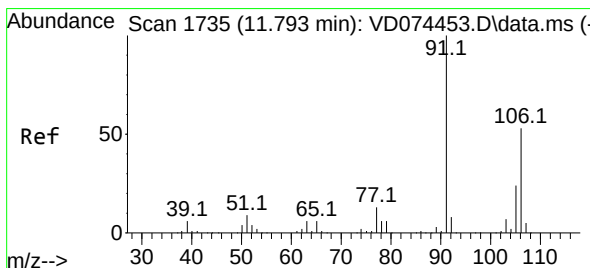
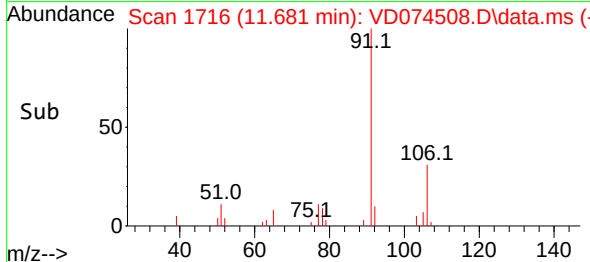
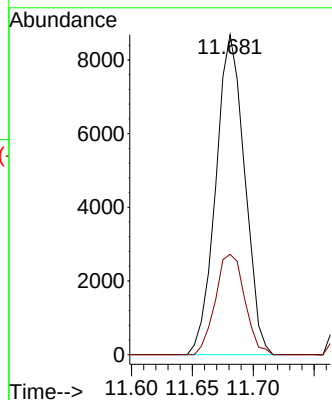
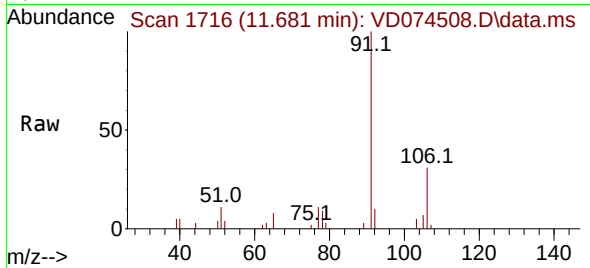




#67
Ethyl Benzene
Concen: 2.754 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

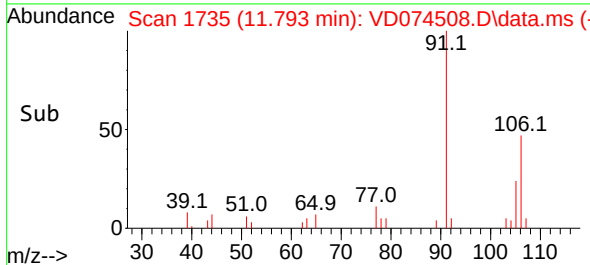
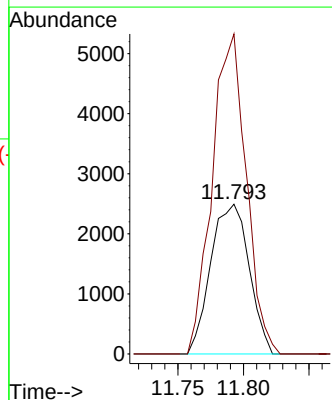
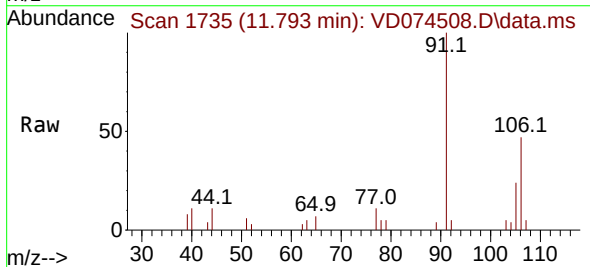
Instrument :
MSVOA_D
ClientSampleId :
C1(0-1)

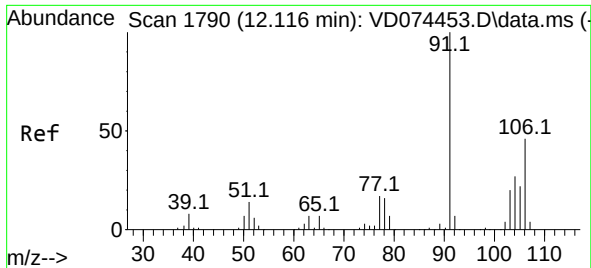
Tgt Ion: 91 Resp: 14314
Ion Ratio Lower Upper
91 100
106 31.4 26.6 40.0



#68
m/p-Xylenes
Concen: 2.485 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion: 106 Resp: 5075
Ion Ratio Lower Upper
106 100
91 189.6 156.2 234.4

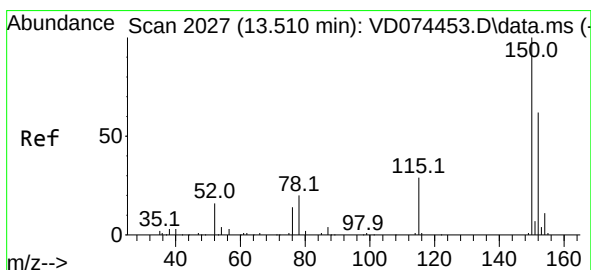
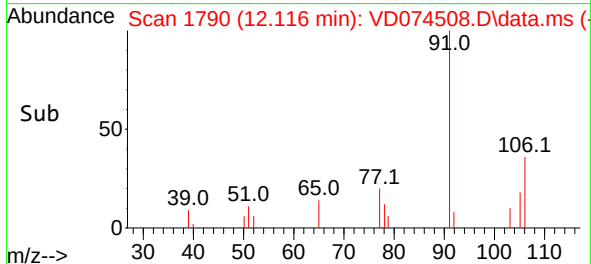
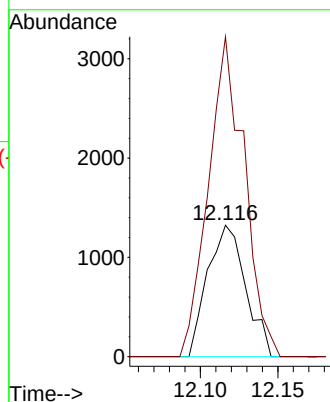
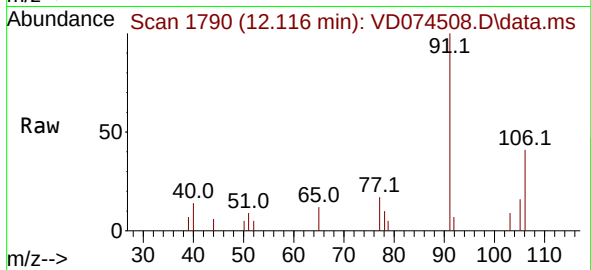




#69
o-Xylene
Concen: 1.201 ug/l
RT: 12.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

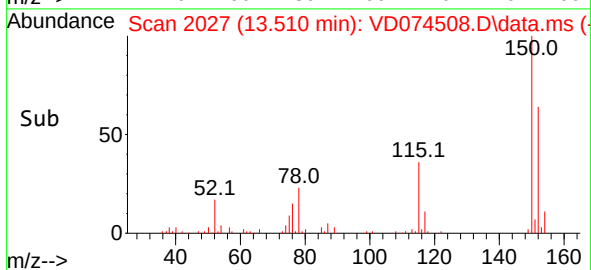
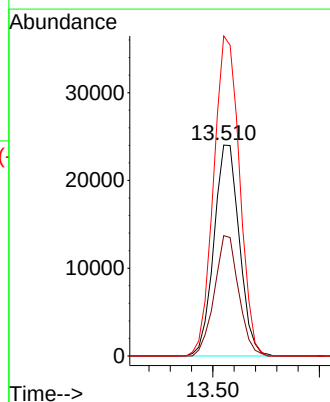
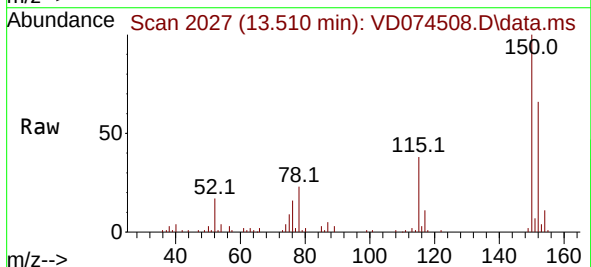
Instrument :
MSVOA_D
ClientSampleId :
C1(0-1)

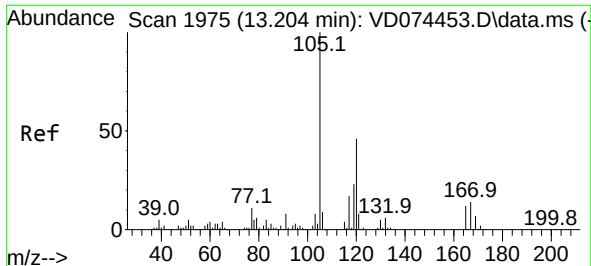
Tgt Ion:106 Resp: 2254
Ion Ratio Lower Upper
106 100
91 230.7 104.5 313.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074508.D
Acq: 10 Oct 2022 17:51

Tgt Ion:152 Resp: 39764
Ion Ratio Lower Upper
152 100
115 54.5 26.8 80.4
150 154.4 0.0 348.2

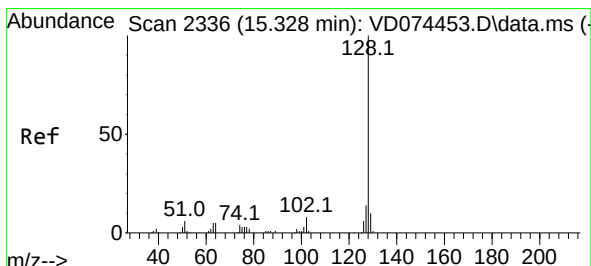
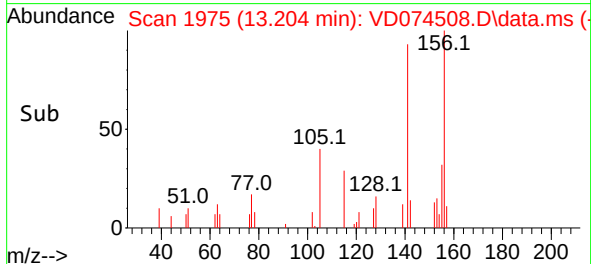
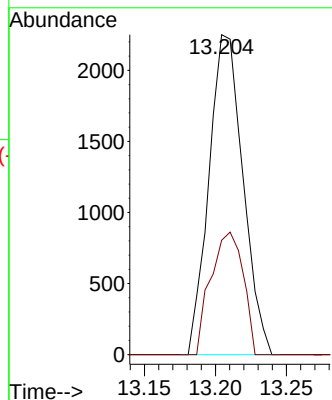
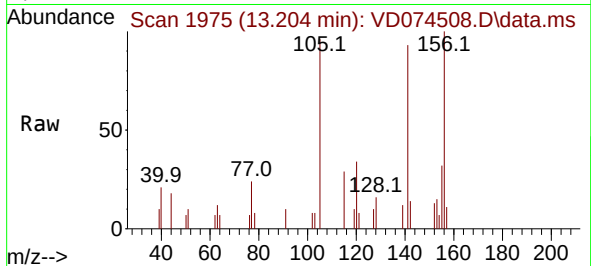




#84
 1,2,4-Trimethylbenzene
 Concen: 1.580 ug/l
 RT: 13.204 min Scan# 1975
 Delta R.T. 0.000 min
 Lab File: VD074508.D
 Acq: 10 Oct 2022 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 C1(0-1)

Tgt Ion:105 Resp: 3750
 Ion Ratio Lower Upper
 105 100
 120 36.4 22.9 68.7



#95
 Naphthalene
 Concen: 7.180 ug/l
 RT: 15.328 min Scan# 2336
 Delta R.T. 0.000 min
 Lab File: VD074508.D
 Acq: 10 Oct 2022 17:51

Tgt Ion:128 Resp: 10173
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.6 16.0
 129 9.0 8.3 12.5

