

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
 Data File : VD073621.D
 Acq On : 16 Jun 2022 17:00
 Operator : VA/SY
 Sample : N3351-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40582

Quant Time: Jun 17 01:06:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

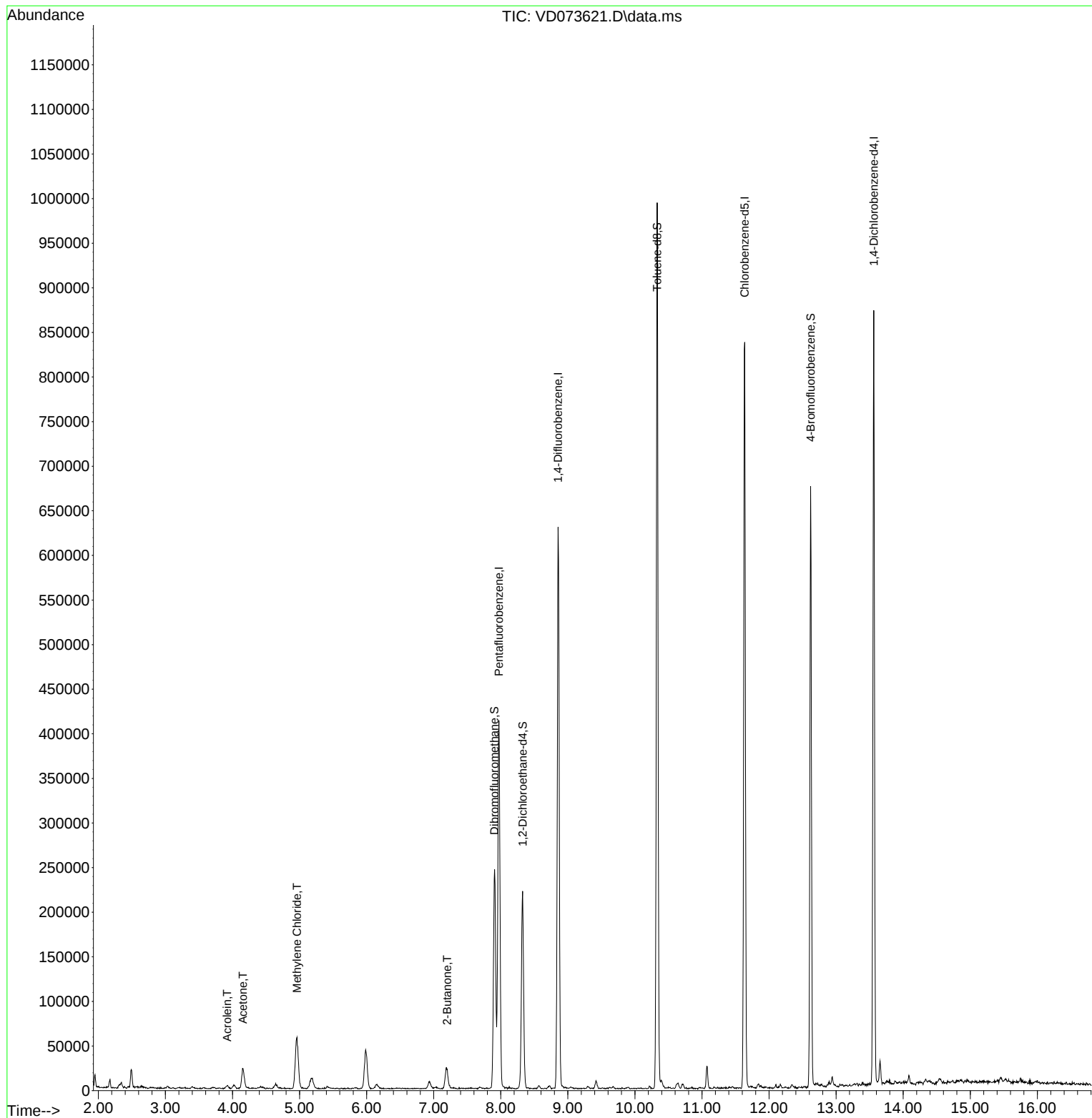
Internal Standards						
1) Pentafluorobenzene	7.973	168	302971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	546251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	506138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	230376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176950	54.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.840%	
35) Dibromofluoromethane	7.903	113	181457	51.659	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.320%	
50) Toluene-d8	10.332	98	643387	48.445	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.900%	
62) 4-Bromofluorobenzene	12.620	95	221530	45.949	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.900%	
Target Compounds						
					Qvalue	
13) Acrolein	3.920	56	3509	24.505	ug/l #	77
16) Acetone	4.156	43	39465	68.938	ug/l	95
20) Methylene Chloride	4.962	84	47112	10.556	ug/l #	79
25) 2-Butanone	7.203	43	6656	7.902	ug/l	92

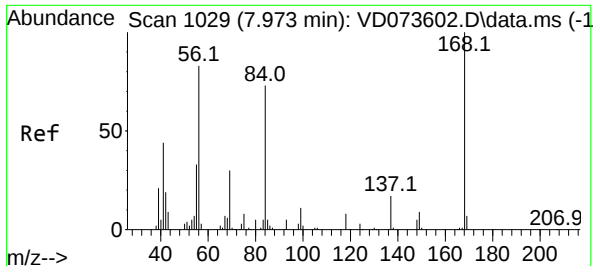
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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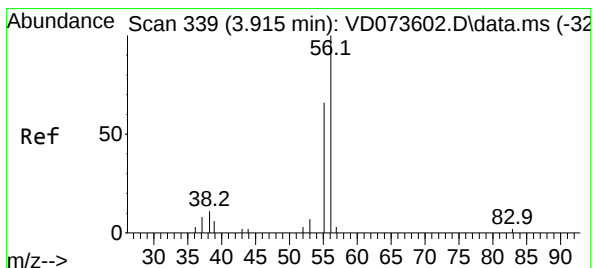
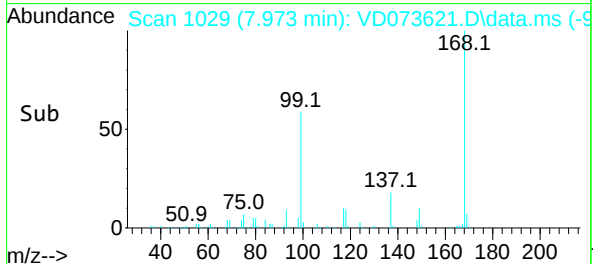
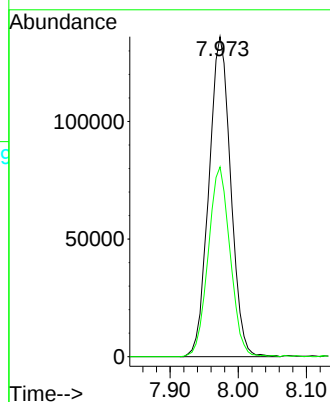
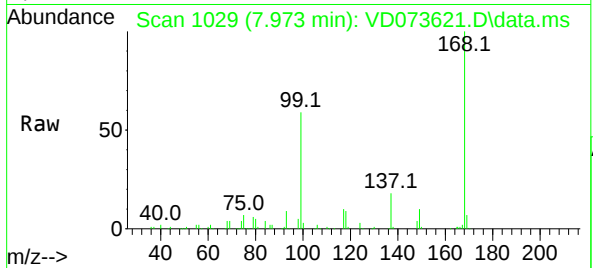




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

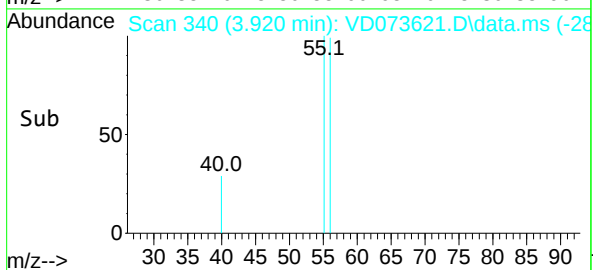
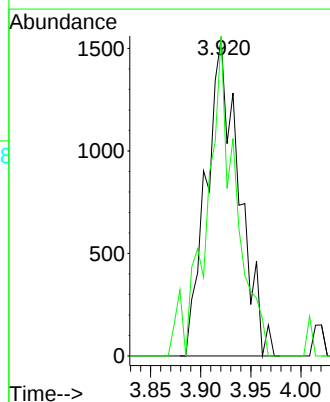
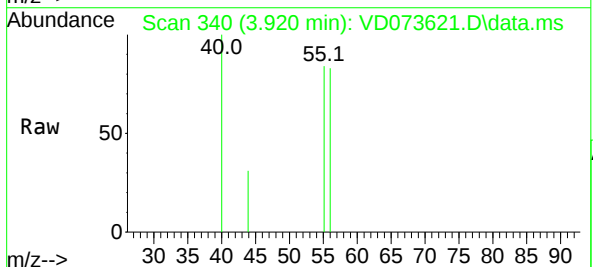
Instrument :
MSVOA_D
ClientSampleId :
40582

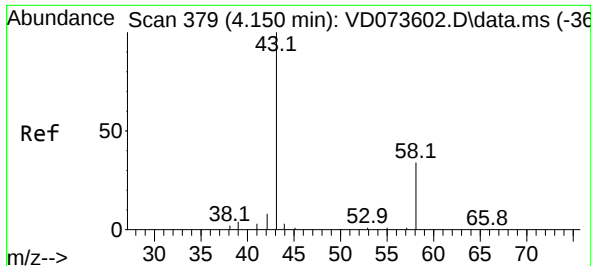
Tgt Ion:168 Resp: 302971
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#13
Acrolein
Concen: 24.505 ug/l
RT: 3.920 min Scan# 340
Delta R.T. 0.005 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

Tgt Ion: 56 Resp: 3509
Ion Ratio Lower Upper
56 100
55 90.4 57.1 85.7#

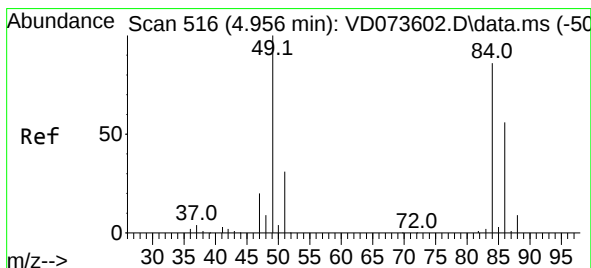
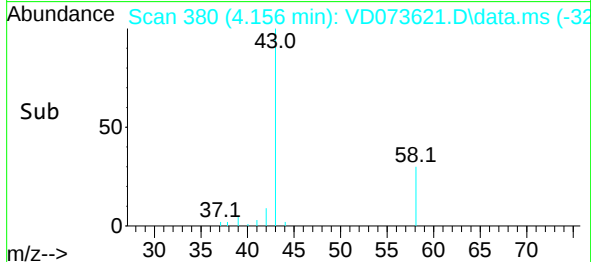
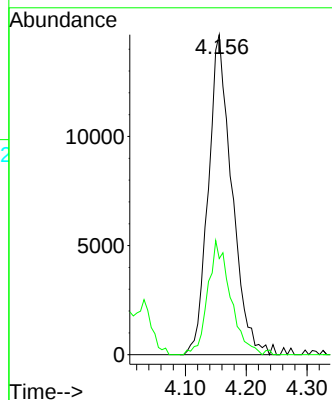
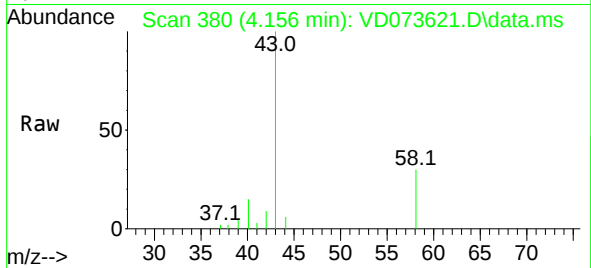




#16
Acetone
Concen: 68.938 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

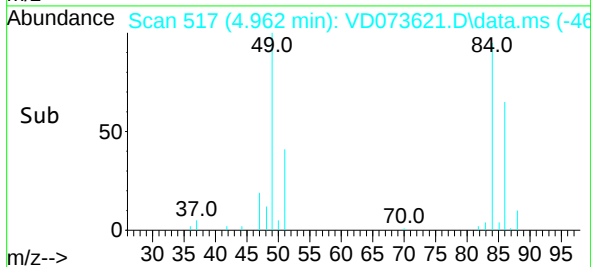
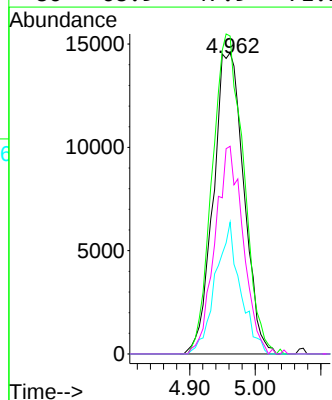
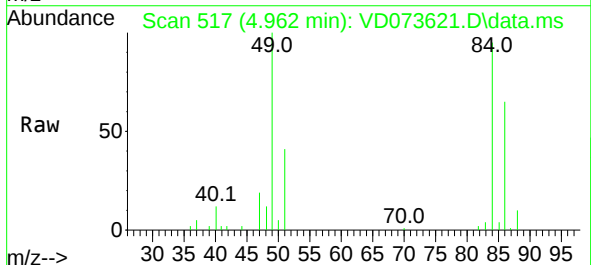
Instrument :
MSVOA_D
ClientSampleId :
40582

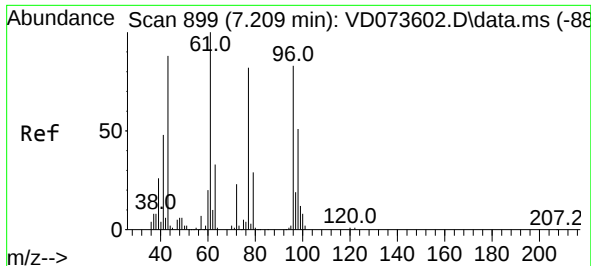
Tgt Ion: 43 Resp: 39465
Ion Ratio Lower Upper
43 100
58 30.0 22.1 33.1



#20
Methylene Chloride
Concen: 10.556 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

Tgt Ion: 84 Resp: 47112
Ion Ratio Lower Upper
84 100
49 105.6 112.8 169.2#
51 43.7 32.6 48.8
86 68.9 47.9 71.9

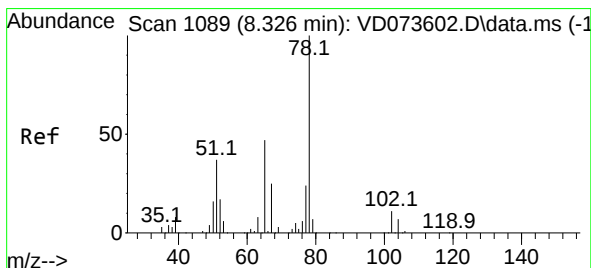
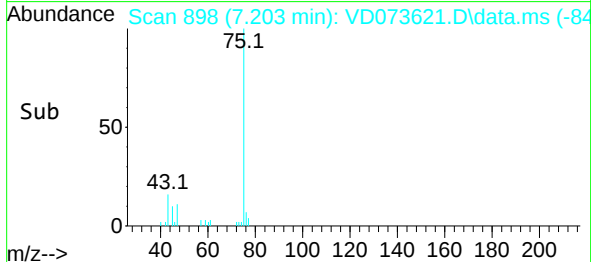
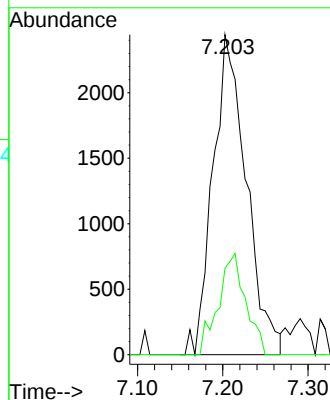
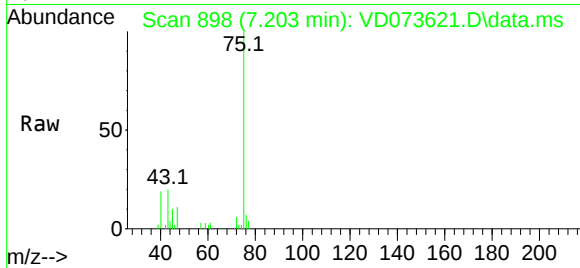




#25
2-Butanone
Concen: 7.902 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

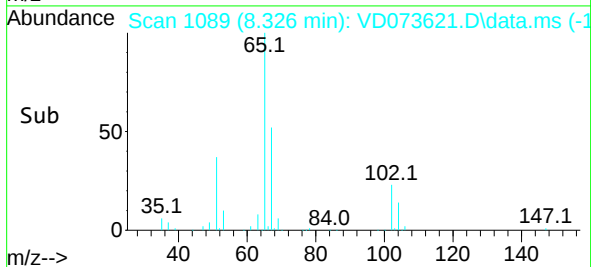
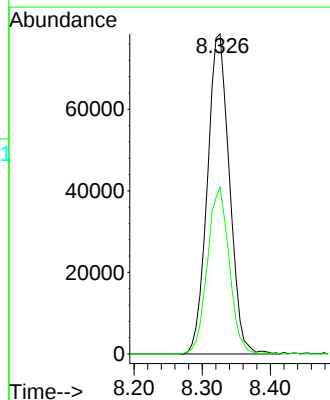
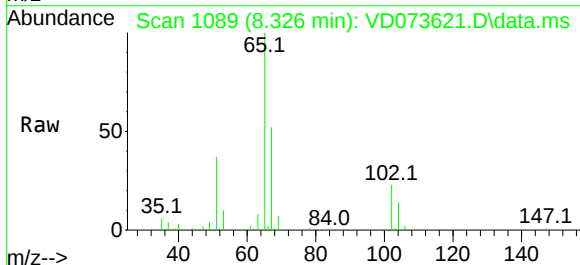
Instrument :
MSVOA_D
ClientSampleId :
40582

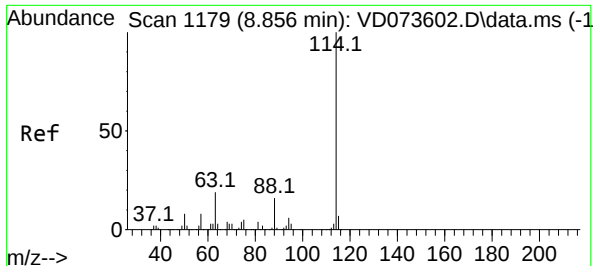
Tgt Ion: 43 Resp: 6656
Ion Ratio Lower Upper
43 100
72 27.1 18.6 27.8



#33
1,2-Dichloroethane-d4
Concen: 54.425 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

Tgt Ion: 65 Resp: 176950
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073621.D

Acq: 16 Jun 2022 17:00

Instrument :

MSVOA_D

ClientSampleId :

40582

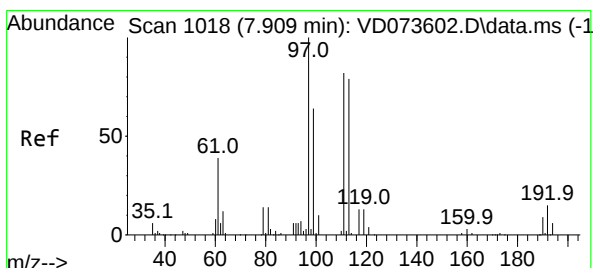
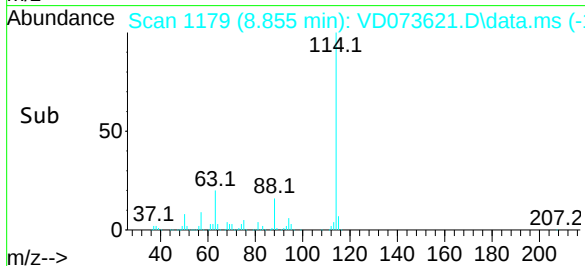
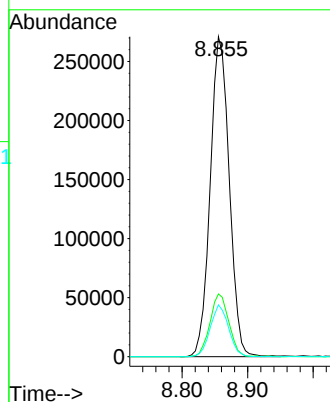
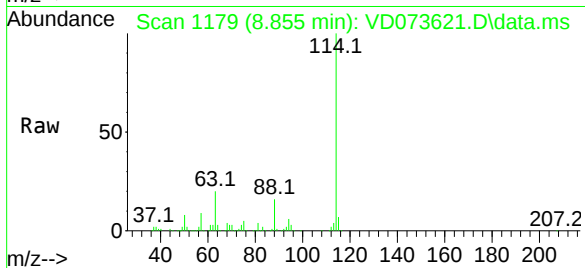
Tgt Ion:114 Resp: 546251

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.659 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD073621.D

Acq: 16 Jun 2022 17:00

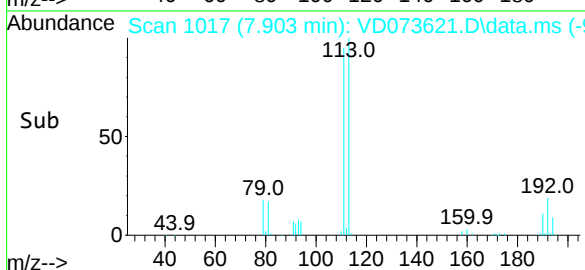
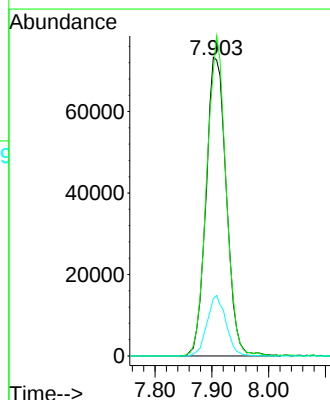
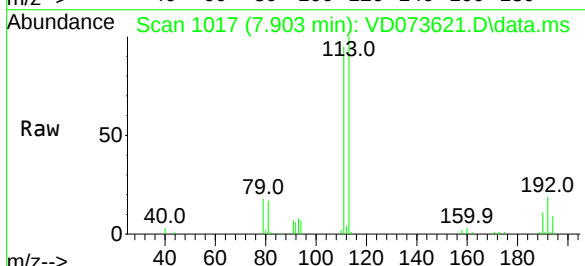
Tgt Ion:113 Resp: 181457

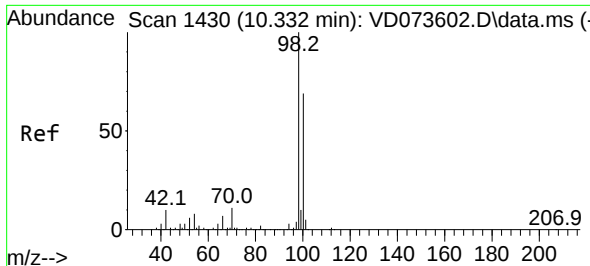
Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 18.9 14.6 21.8

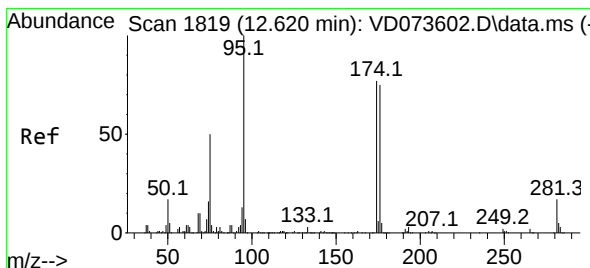
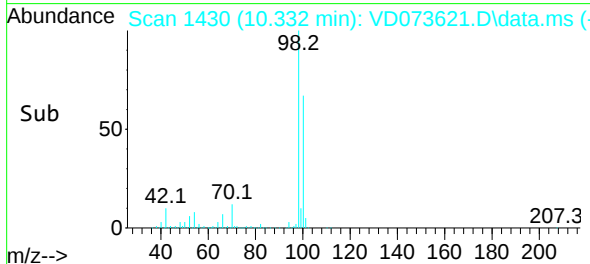
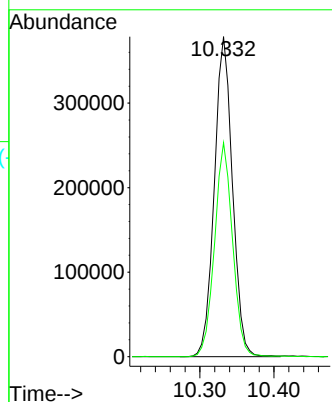
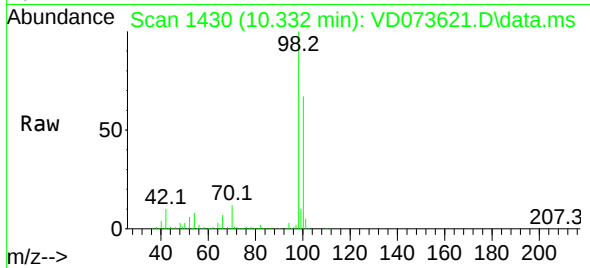




#50
Toluene-d8
Concen: 48.445 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

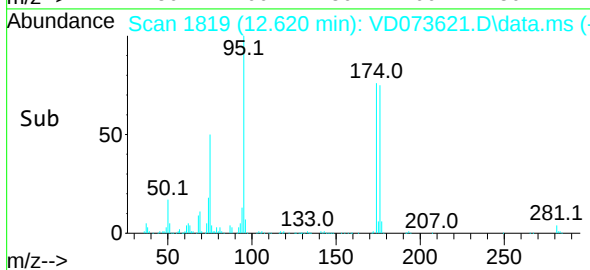
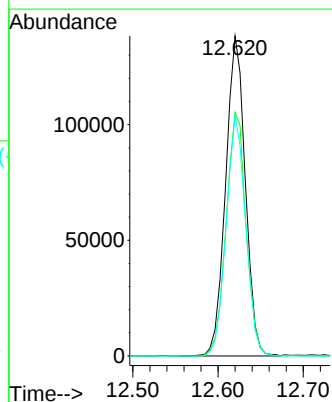
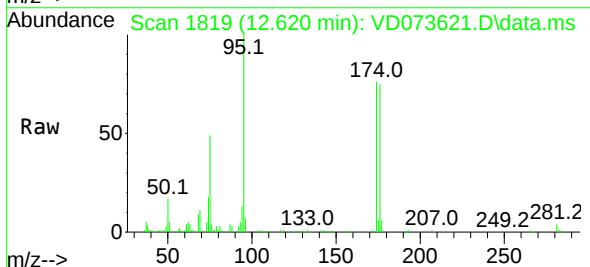
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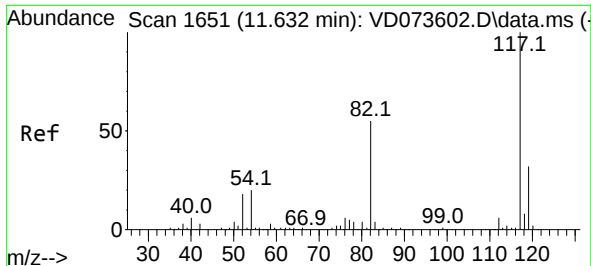
Tgt Ion: 98 Resp: 643387
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.949 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

Tgt Ion: 95 Resp: 221530
Ion Ratio Lower Upper
95 100
174 77.2 0.0 152.8
176 74.6 0.0 145.4

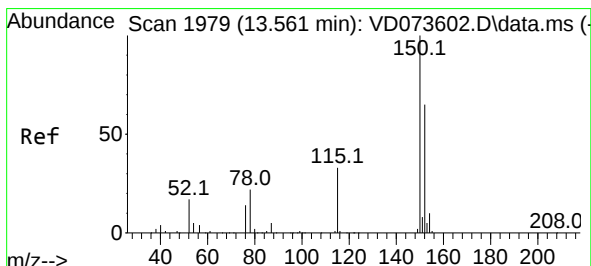
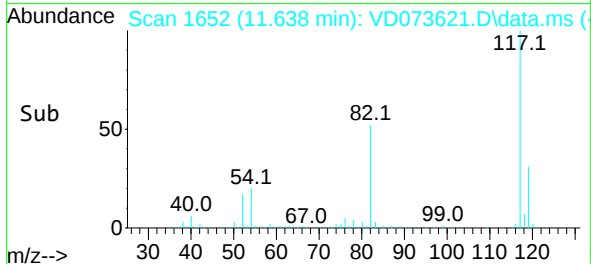
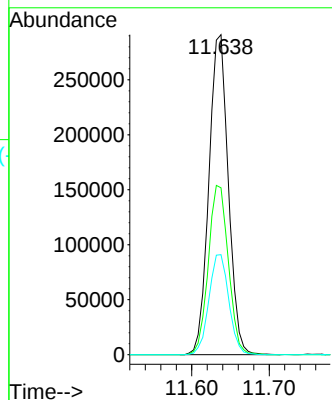
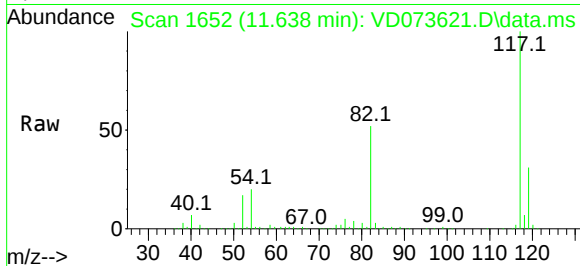




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

Instrument :
MSVOA_D
ClientSampleId :
40582

Tgt Ion:117 Resp: 506138
Ion Ratio Lower Upper
117 100
82 52.1 45.3 67.9
119 31.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073621.D
Acq: 16 Jun 2022 17:00

Tgt Ion:152 Resp: 230376
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 156.5 0.0 348.6

