

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071417.D
 Acq On : 21 Dec 2021 18:16
 Operator : VA/SY
 Sample : M5182-02
 Misc : 7.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BLIND-DUPLICATE

Quant Time: Dec 21 19:11:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

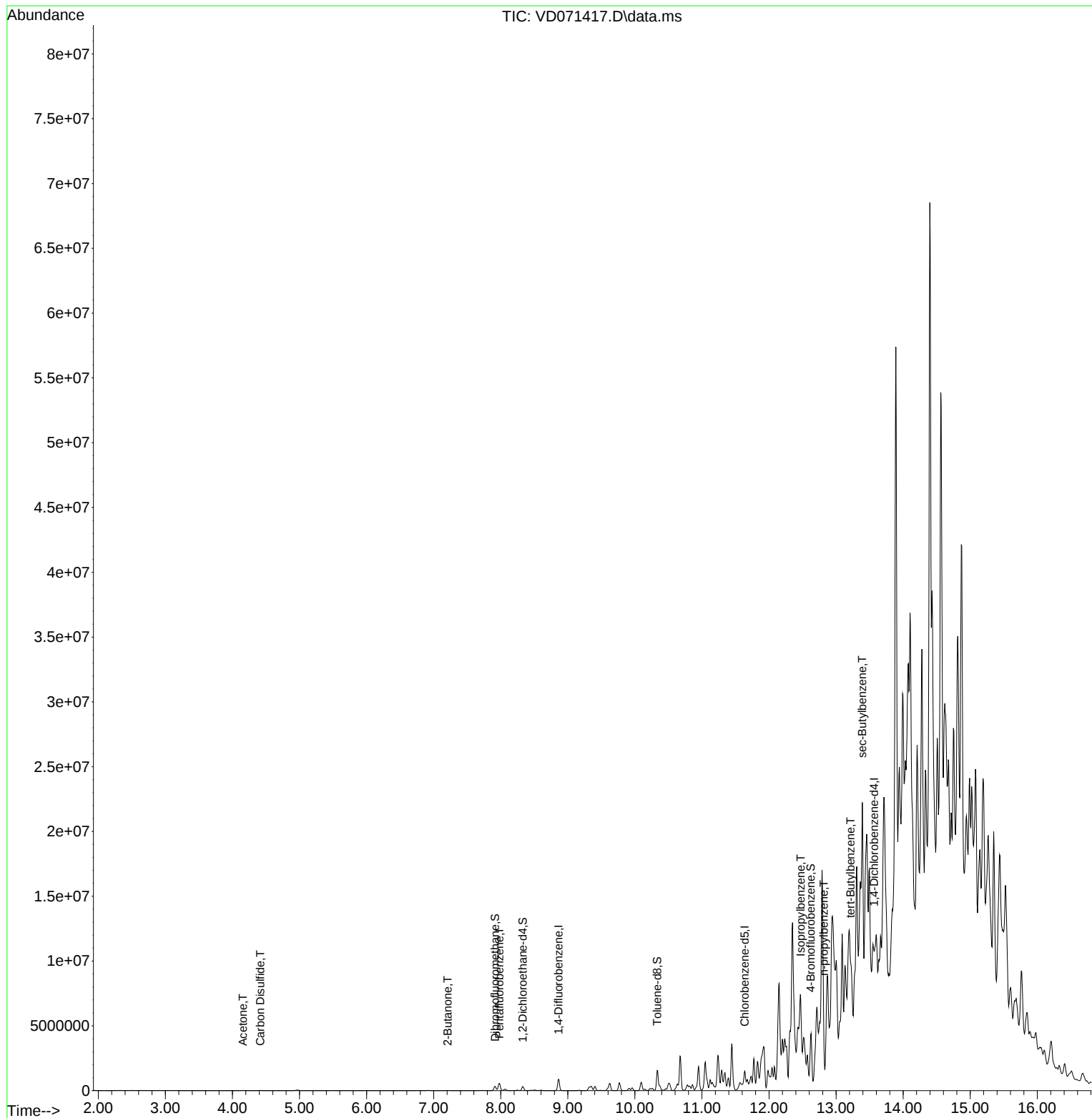
Internal Standards						
1) Pentafluorobenzene	7.979	168	388959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	713509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	639251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	520437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	238520	52.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.520%	
35) Dibromofluoromethane	7.914	113	227221	50.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.020%	
50) Toluene-d8	10.332	98	922354	53.344	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	12.620	95	578589	96.535	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 193.080%#	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	23837	48.042	ug/l #	66
17) Carbon Disulfide	4.415	76	36884	3.489	ug/l	96
25) 2-Butanone	7.208	43	8070	33.471	ug/l #	89
73) Isopropylbenzene	12.473	105	1544759	40.993	ug/l	99
78) n-propylbenzene	12.814	91	1416066	30.175	ug/l	97
83) tert-Butylbenzene	13.214	119	337345	12.641	ug/l	79
85) sec-Butylbenzene	13.391	105	5595065	137.267	ug/l	84

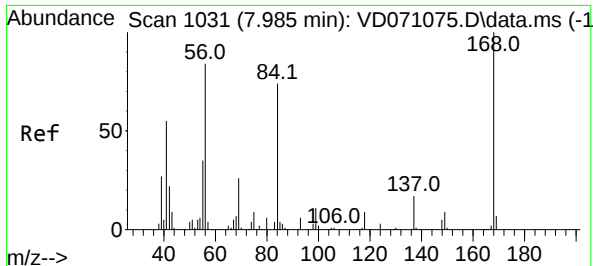
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

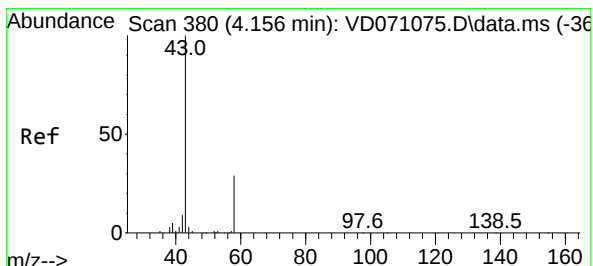
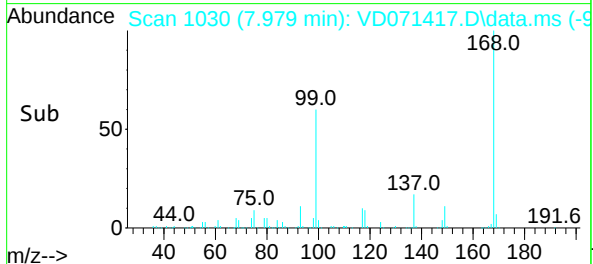
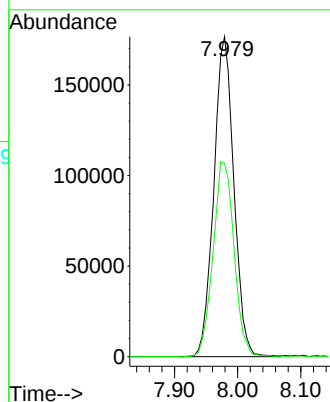
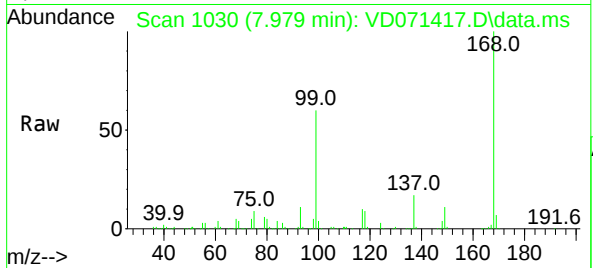




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

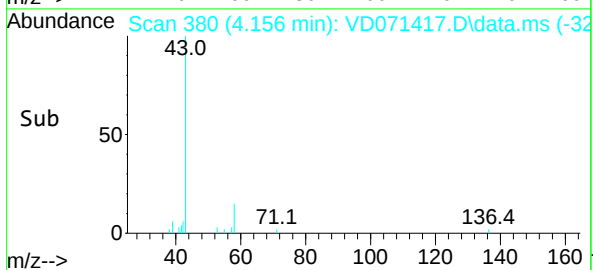
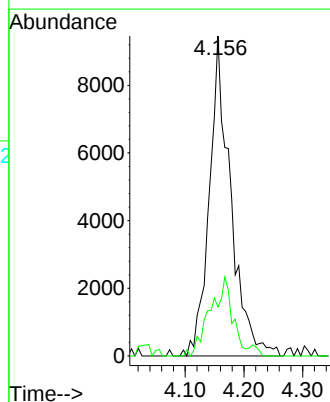
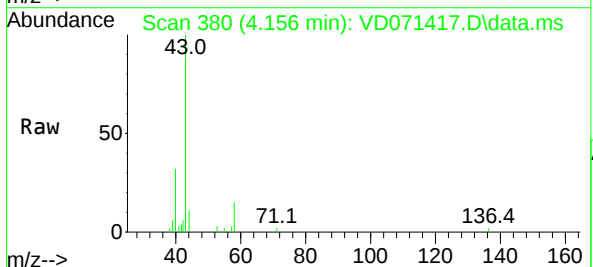
Instrument :
MSVOA_D
ClientSampleId :
BLIND-DUPLICATE

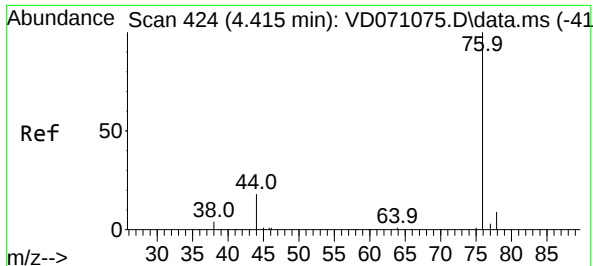
Tgt Ion:168 Resp: 388959
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8



#16
Acetone
Concen: 48.042 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

Tgt Ion: 43 Resp: 23837
Ion Ratio Lower Upper
43 100
58 15.3 27.8 41.8#





#17

Carbon Disulfide

Concen: 3.489 ug/l

RT: 4.415 min Scan# 41

Delta R.T. -0.000 min

Lab File: VD071417.D

Acq: 21 Dec 2021 18:16

Instrument :

MSVOA_D

ClientSampleId :

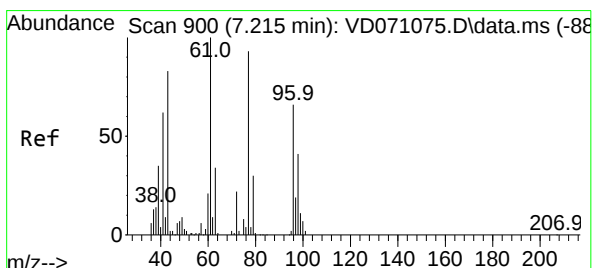
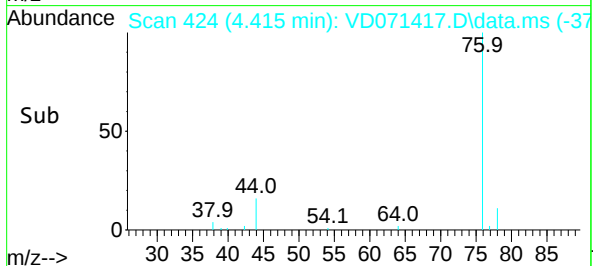
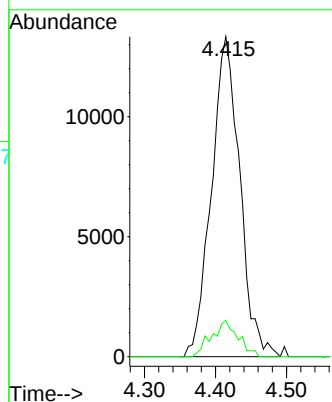
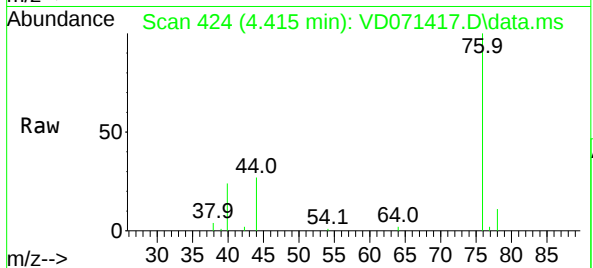
BLIND-DUPLICATE

Tgt Ion: 76 Resp: 36884

Ion Ratio Lower Upper

76 100

78 11.4 7.8 11.8



#25

2-Butanone

Concen: 33.471 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.007 min

Lab File: VD071417.D

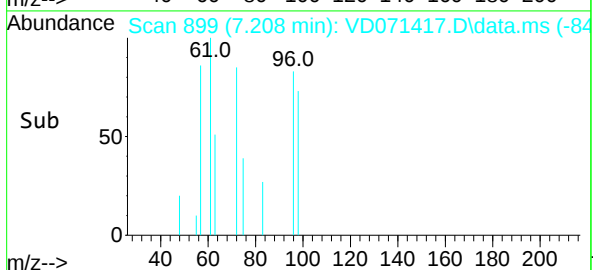
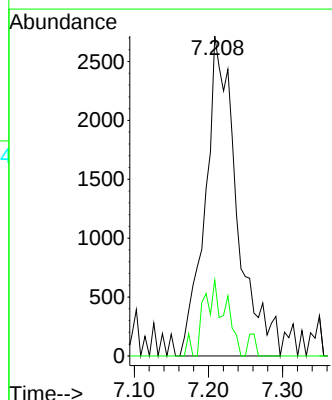
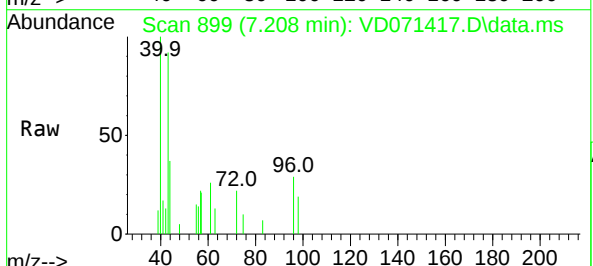
Acq: 21 Dec 2021 18:16

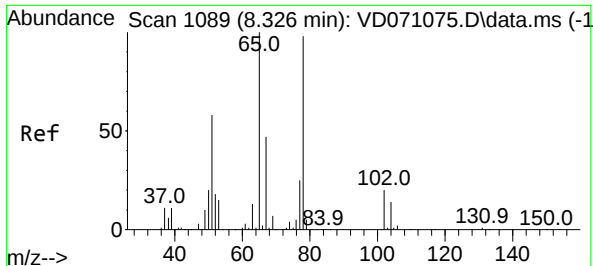
Tgt Ion: 43 Resp: 8070

Ion Ratio Lower Upper

43 100

72 23.7 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 52.261 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071417.D

Acq: 21 Dec 2021 18:16

Instrument :

MSVOA_D

ClientSampleId :

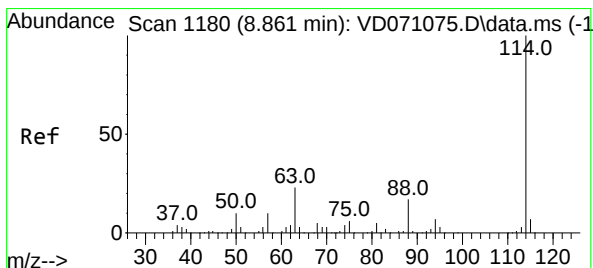
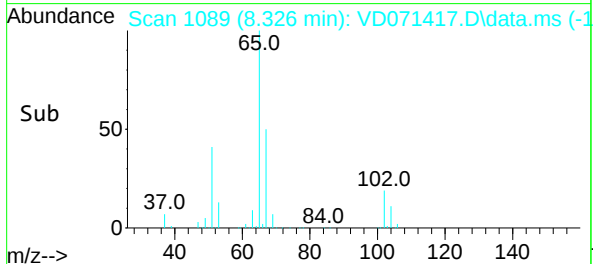
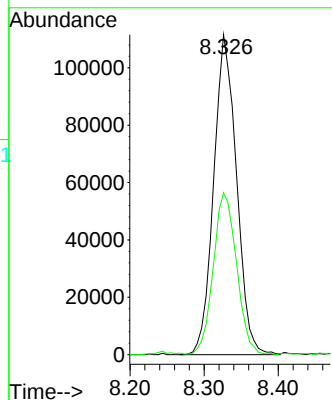
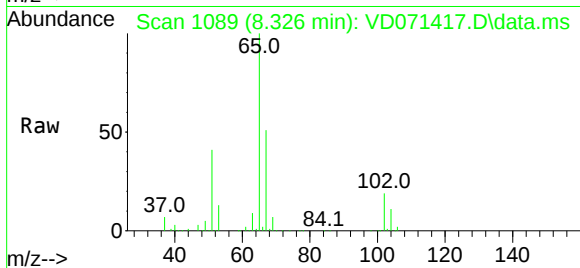
BLIND-DUPLICATE

Tgt Ion: 65 Resp: 238520

Ion Ratio Lower Upper

65 100

67 51.8 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071417.D

Acq: 21 Dec 2021 18:16

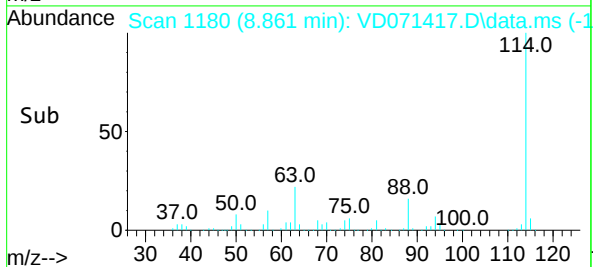
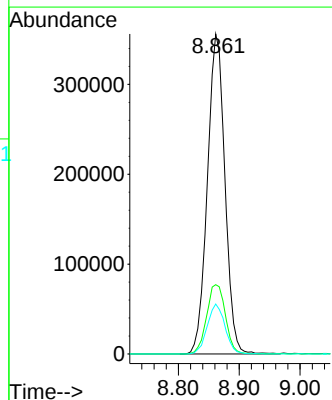
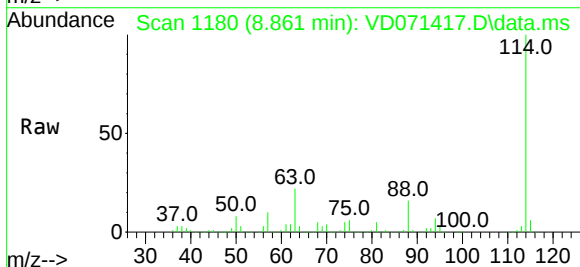
Tgt Ion: 114 Resp: 713509

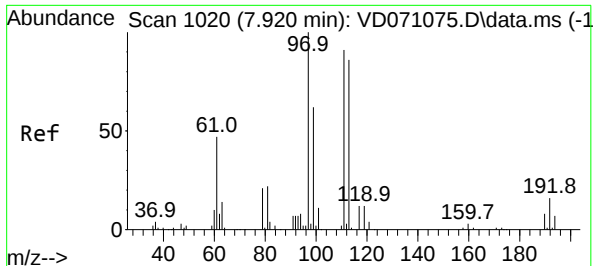
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.010 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071417.D

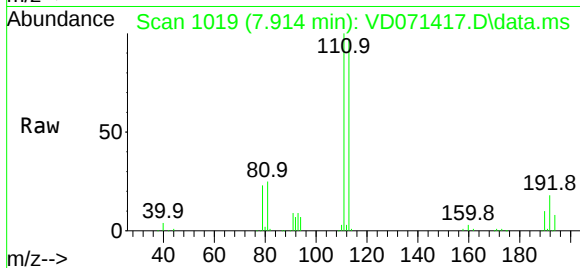
Acq: 21 Dec 2021 18:16

Instrument :

MSVOA_D

ClientSampleId :

BLIND-DUPLICATE



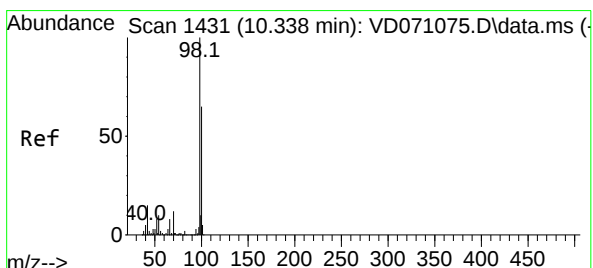
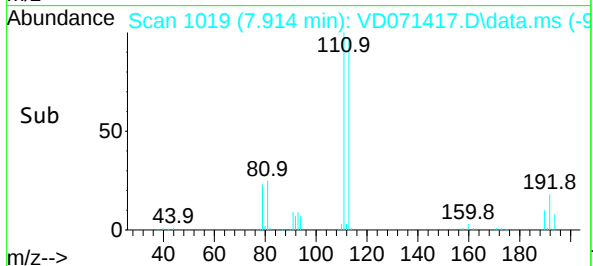
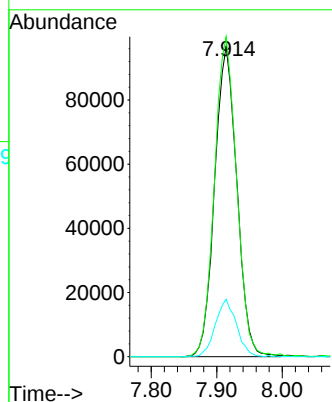
Tgt Ion:113 Resp: 227221

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 17.6 15.2 22.8



#50

Toluene-d8

Concen: 53.344 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071417.D

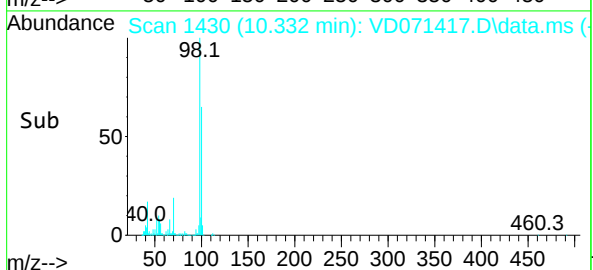
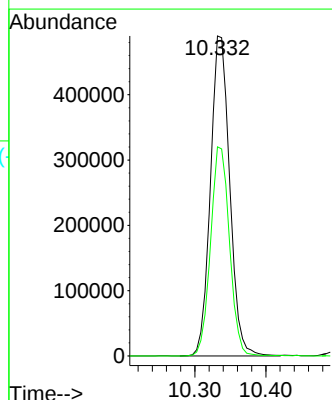
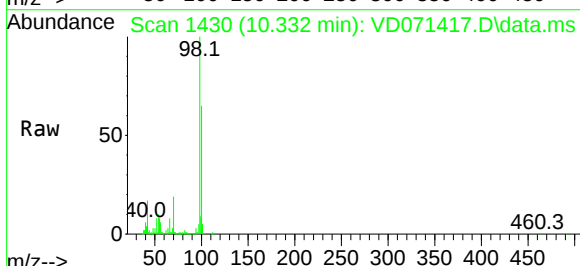
Acq: 21 Dec 2021 18:16

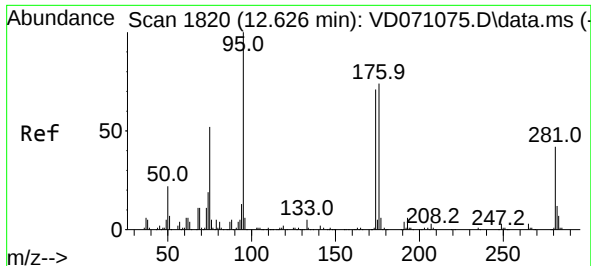
Tgt Ion: 98 Resp: 922354

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6

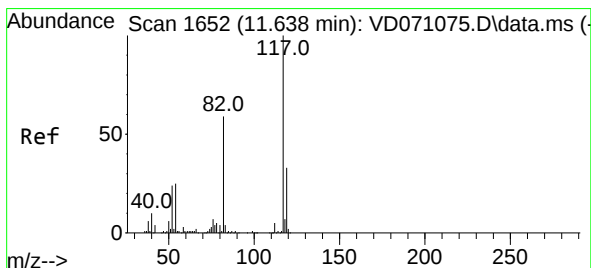
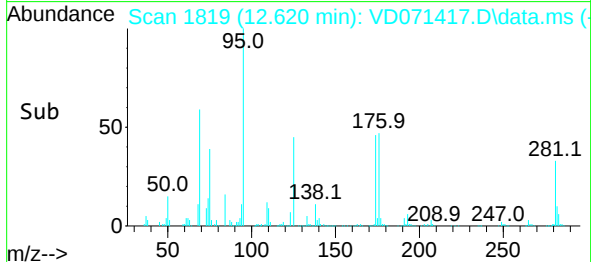
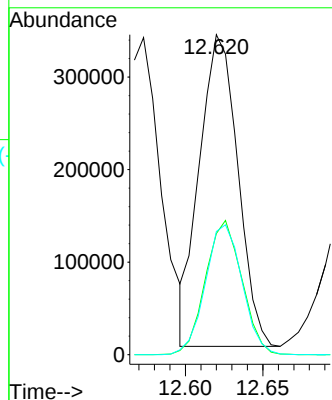
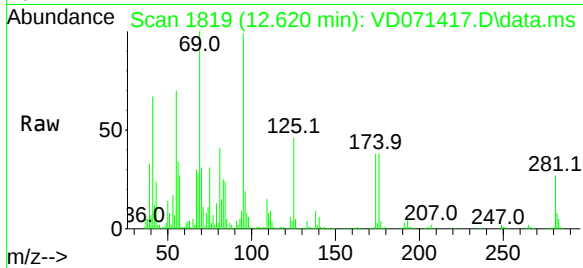




#62
4-Bromofluorobenzene
Concen: 96.535 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

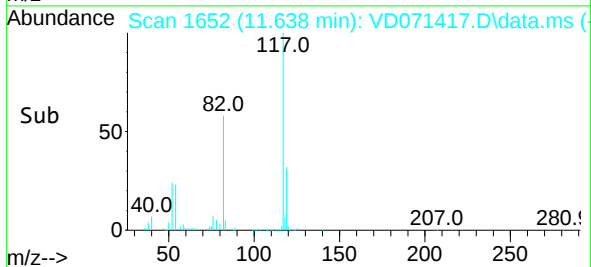
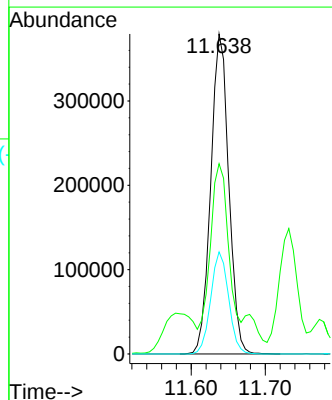
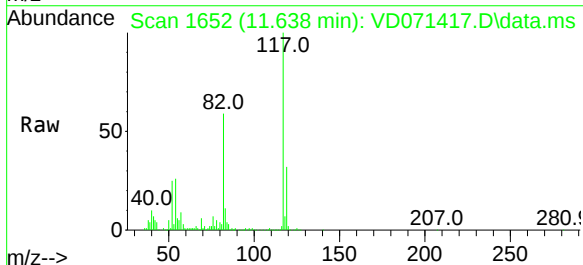
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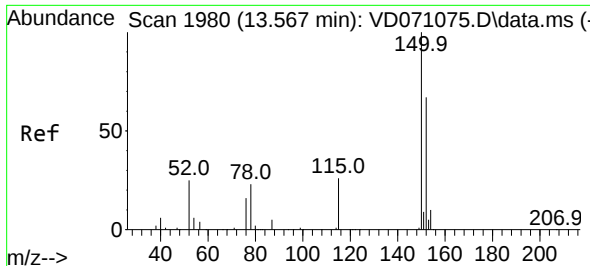
Tgt Ion: 95 Resp: 578589
Ion Ratio Lower Upper
95 100
174 40.9 0.0 159.4
176 40.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

Tgt Ion: 117 Resp: 639251
Ion Ratio Lower Upper
117 100
82 46.9 44.7 67.1
119 31.9 26.2 39.4

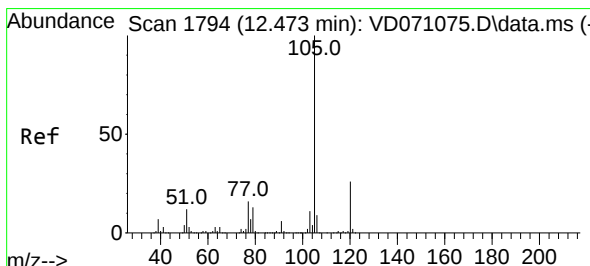
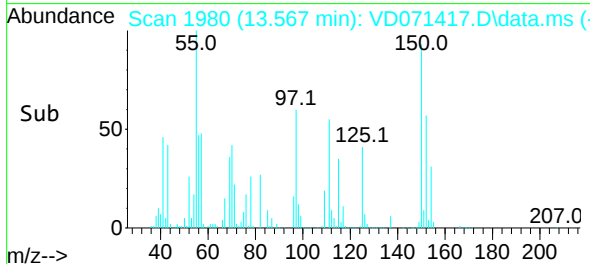
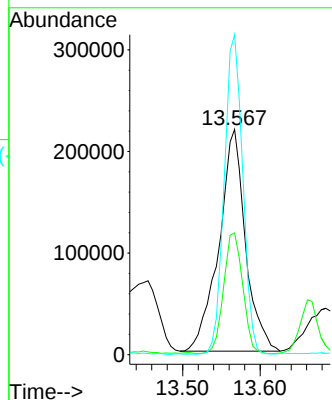
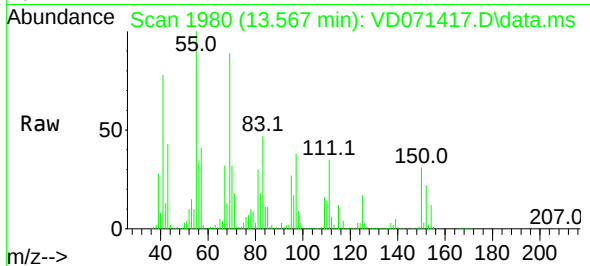




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

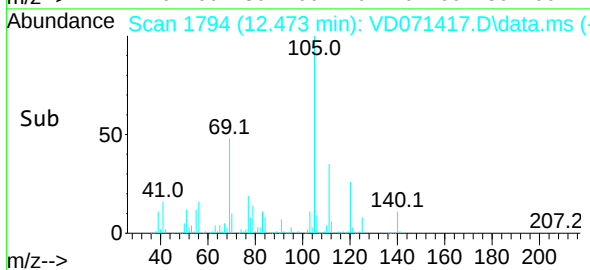
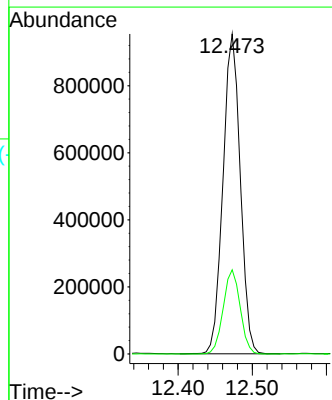
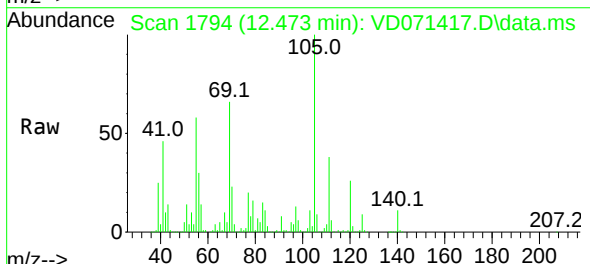
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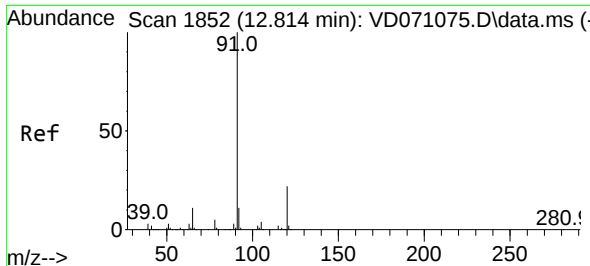
Tgt Ion:152 Resp: 520437
Ion Ratio Lower Upper
152 100
115 39.3 29.8 89.3
150 100.2 0.0 349.2



#73
Isopropylbenzene
Concen: 40.993 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

Tgt Ion:105 Resp: 1544759
Ion Ratio Lower Upper
105 100
120 25.7 13.2 39.5

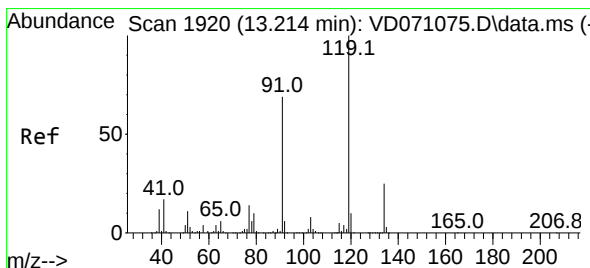
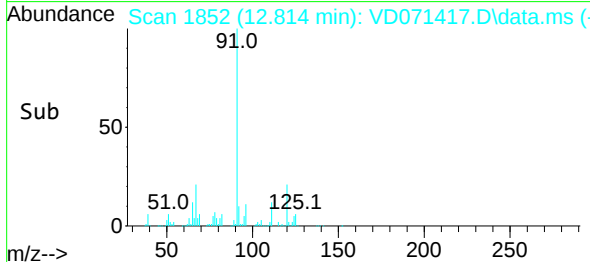
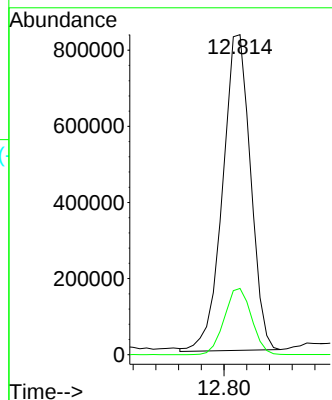
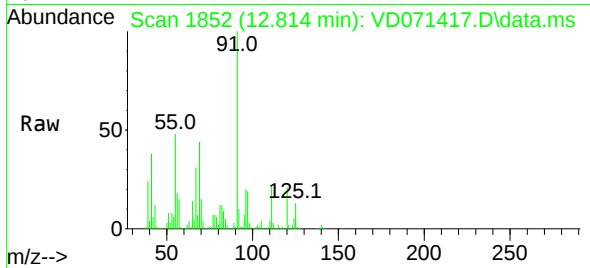




#78
n-propylbenzene
Concen: 30.175 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

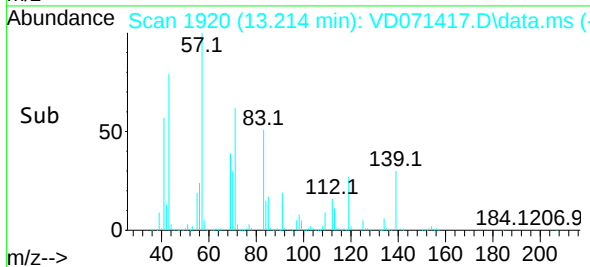
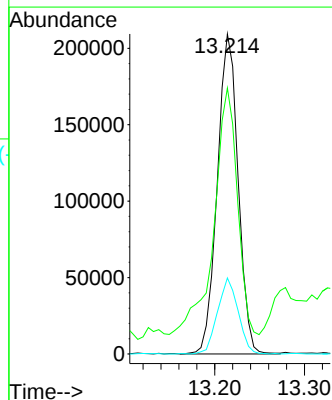
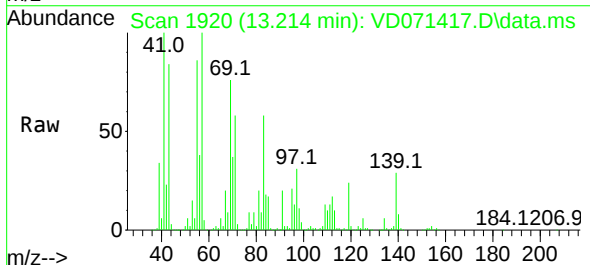
Instrument :
MSVOA_D
ClientSampleId :
BLIND-DUPLICATE

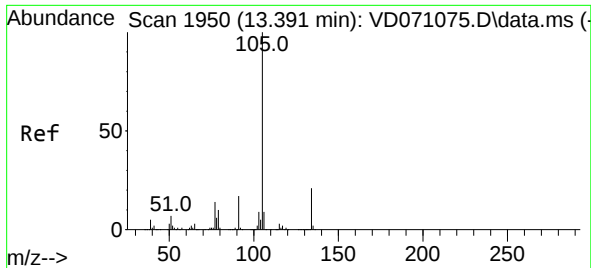
Tgt Ion: 91 Resp: 1416066
Ion Ratio Lower Upper
91 100
120 20.5 10.9 32.9



#83
tert-Butylbenzene
Concen: 12.641 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071417.D
Acq: 21 Dec 2021 18:16

Tgt Ion: 119 Resp: 337345
Ion Ratio Lower Upper
119 100
91 86.2 32.5 97.5
134 23.5 13.2 39.6





#85
 sec-Butylbenzene
 Concen: 137.267 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD071417.D
 Acq: 21 Dec 2021 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 BLIND-DUPLICATE

Tgt Ion:105 Resp: 5595065
 Ion Ratio Lower Upper
 105 100
 134 26.5 9.7 28.9

