

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070990.D
 Acq On : 11 Nov 2021 14:32
 Operator : VA/SY
 Sample : M4576-04
 Misc : 7.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DW-2

Quant Time: Nov 12 08:00:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

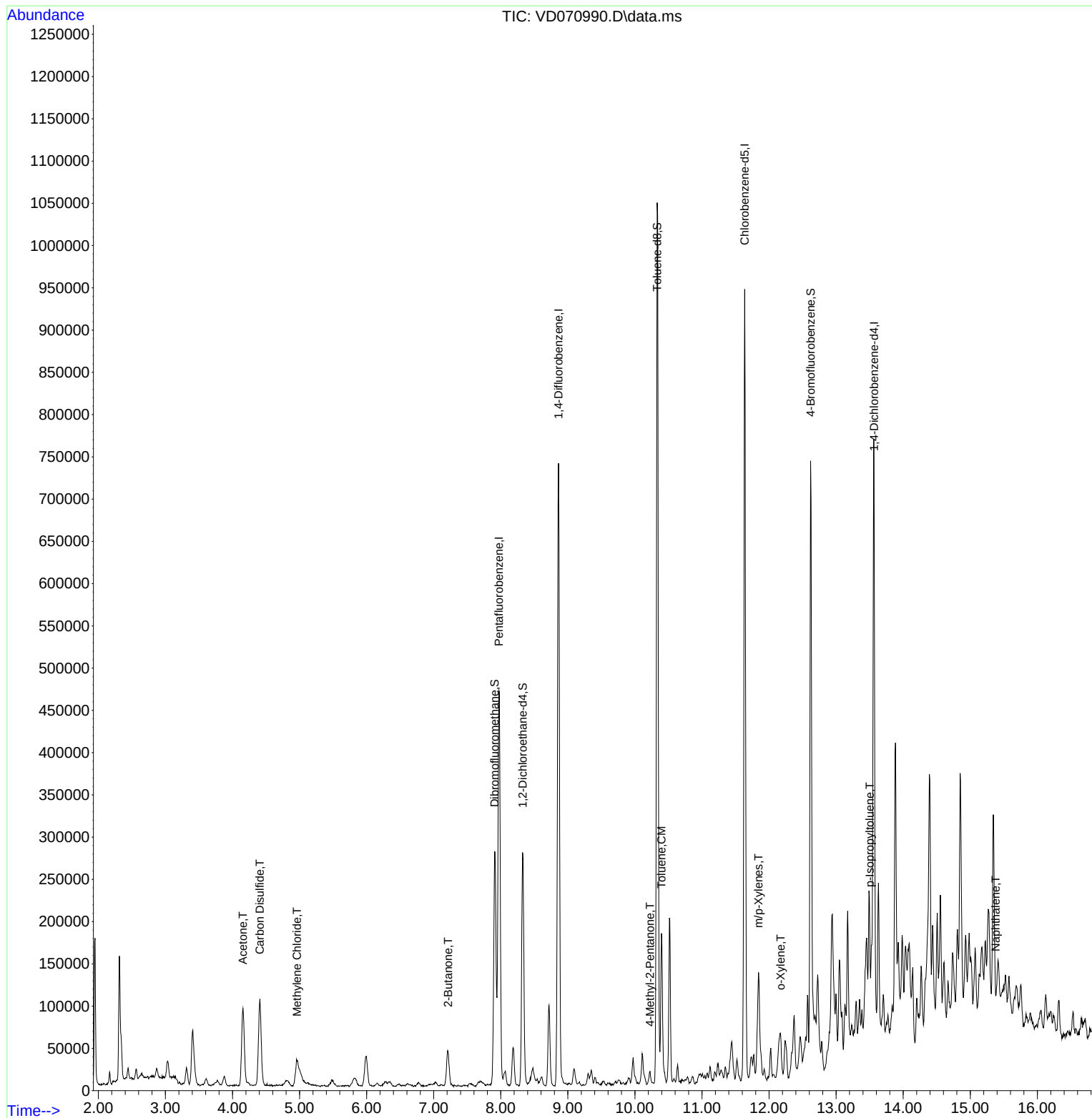
Internal Standards						
1) Pentafluorobenzene	7.973	168	334737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	614342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	495712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	147780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	215377	60.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.860%	
35) Dibromofluoromethane	7.908	113	202214	58.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.660%	
50) Toluene-d8	10.332	98	701228	51.652	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.620	95	209346	42.827	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.660%	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	167578	180.123	ug/l	93
17) Carbon Disulfide	4.409	76	209161	20.379	ug/l	99
20) Methylene Chloride	4.961	84	20009	4.552	ug/l	94
25) 2-Butanone	7.214	43	71197	72.946	ug/l #	85
51) 4-Methyl-2-Pentanone	10.226	43	11798	4.595	ug/l	89
52) Toluene	10.396	92	68459	7.031	ug/l	97
68) m/p-Xylenes	11.843	106	22692	3.625	ug/l	94
69) o-Xylene	12.173	106	8583	1.441	ug/l	99
86) p-Isopropyltoluene	13.502	119	16500	1.810	ug/l	88
95) Naphthalene	15.379	128	10600	2.251	ug/l #	82

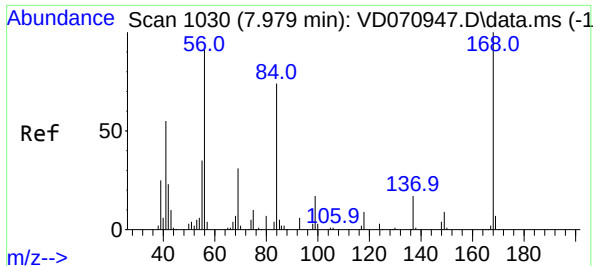
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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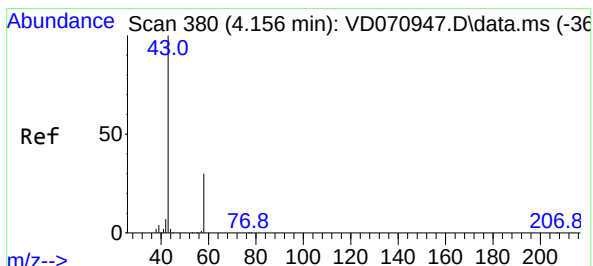
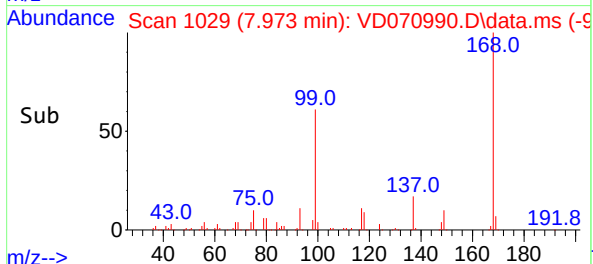
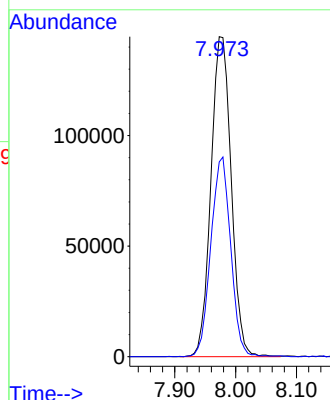
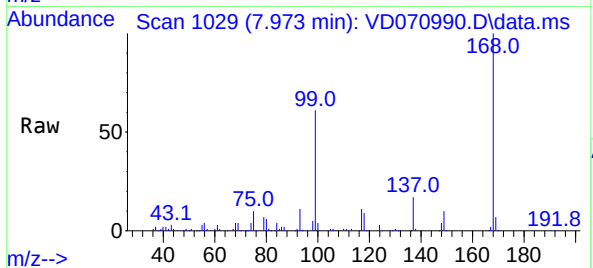




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

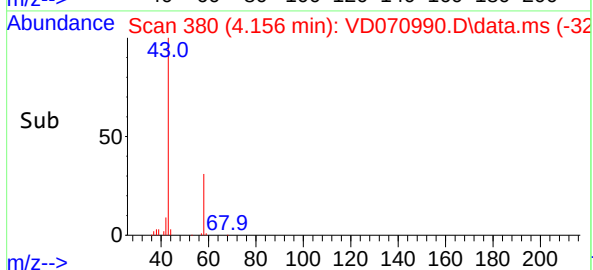
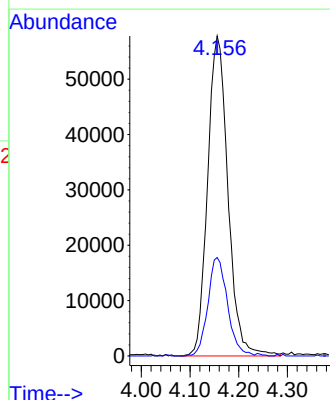
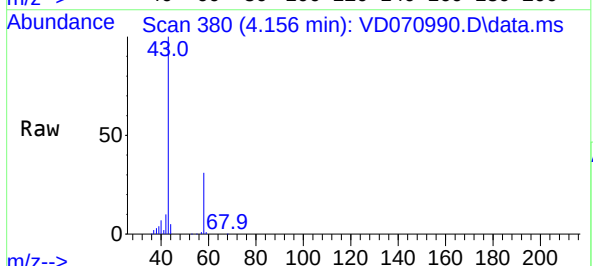
Instrument :
MSVOA_D
ClientSampleId :
DW-2

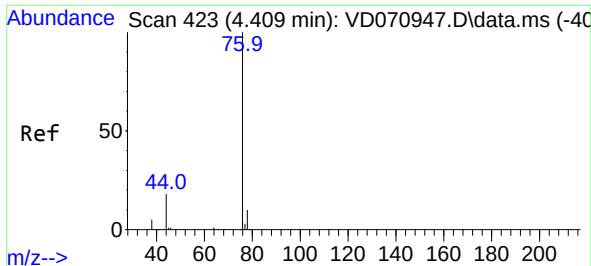
Tgt Ion:168 Resp: 334737
Ion Ratio Lower Upper
168 100
99 60.7 46.6 69.8



#16
Acetone
Concen: 180.123 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 43 Resp: 167578
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8

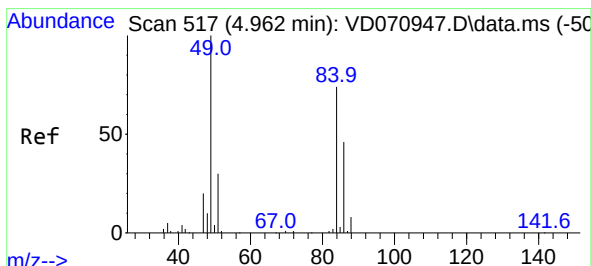
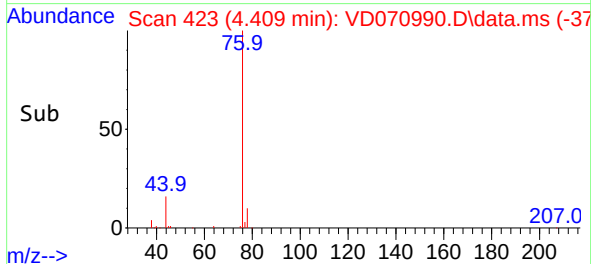
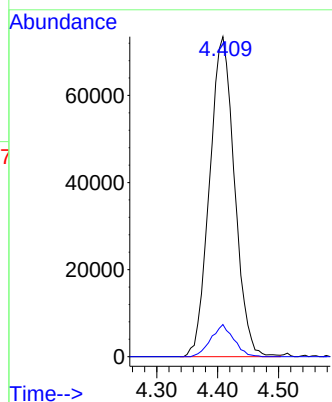
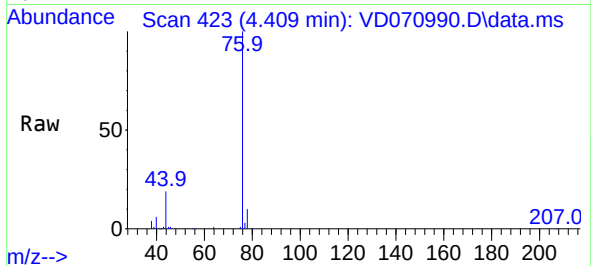




#17
Carbon Disulfide
Concen: 20.379 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

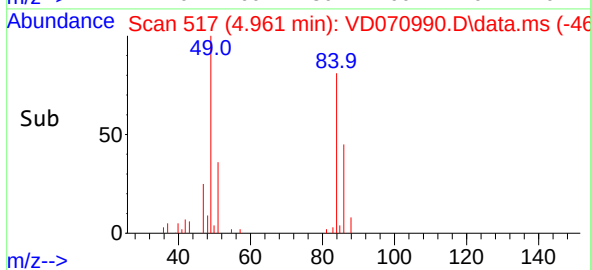
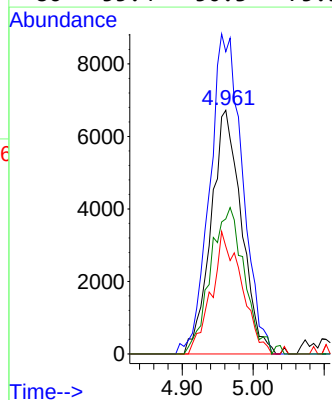
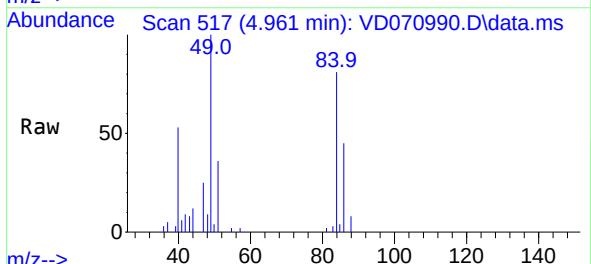
Instrument :
MSVOA_D
ClientSampleId :
DW-2

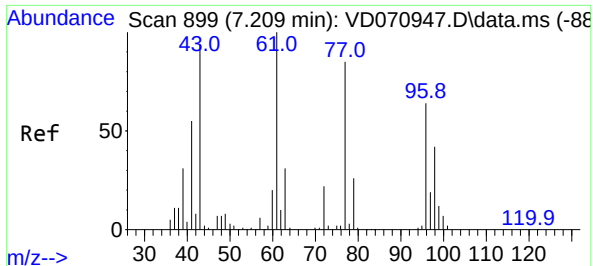
Tgt Ion: 76 Resp: 209161
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.8



#20
Methylene Chloride
Concen: 4.552 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 84 Resp: 20009
Ion Ratio Lower Upper
84 100
49 124.0 95.8 143.6
51 44.1 30.9 46.3
86 55.4 50.3 75.5

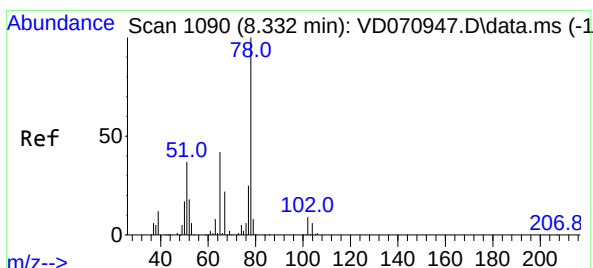
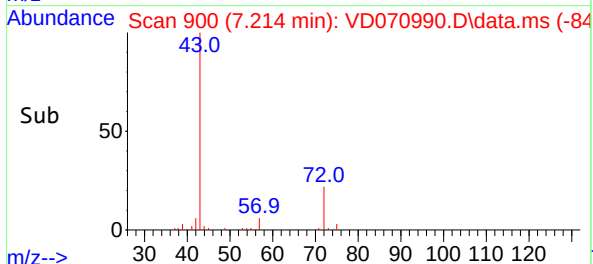
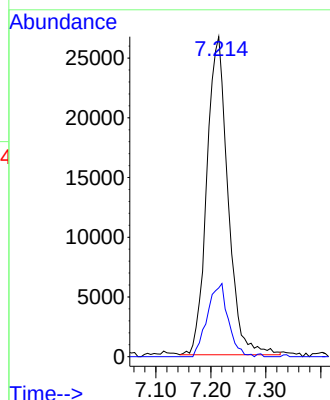
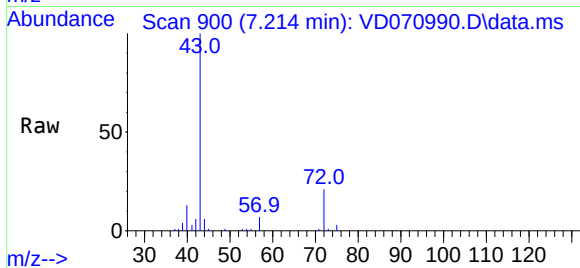




#25
2-Butanone
Concen: 72.946 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

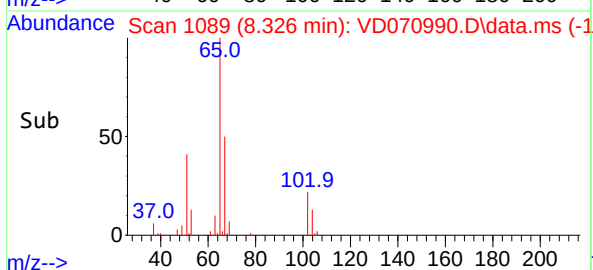
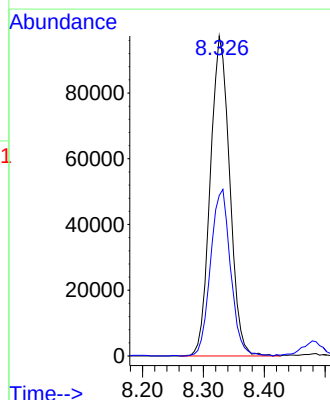
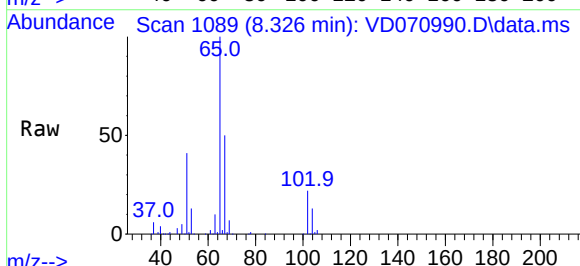
Instrument :
MSVOA_D
ClientSampleId :
DW-2

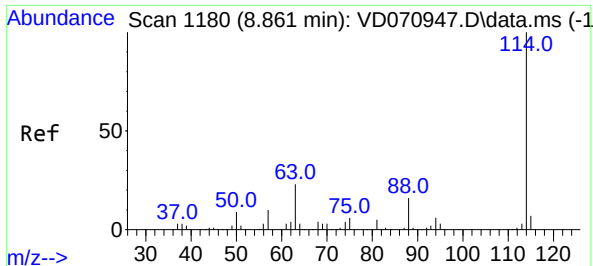
Tgt Ion: 43 Resp: 71197
Ion Ratio Lower Upper
43 100
72 21.6 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 60.432 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 65 Resp: 215377
Ion Ratio Lower Upper
65 100
67 53.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :

DW-2

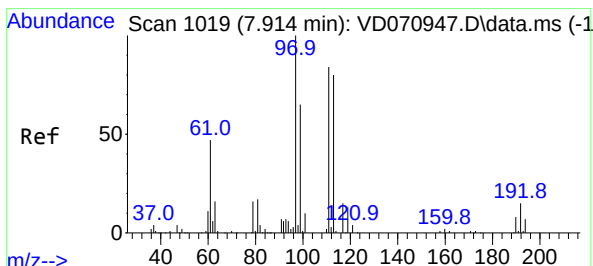
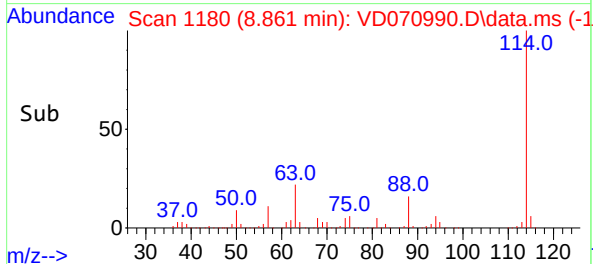
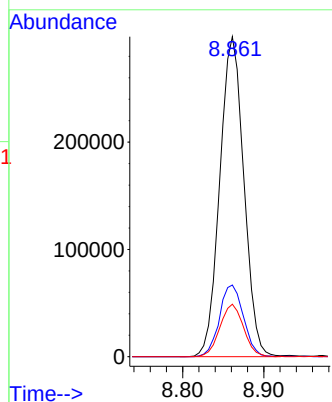
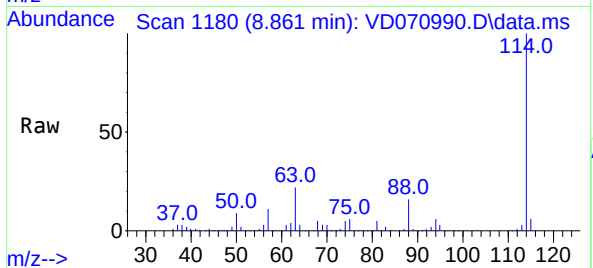
Tgt Ion:114 Resp: 614342

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 58.332 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070990.D

Acq: 11 Nov 2021 14:32

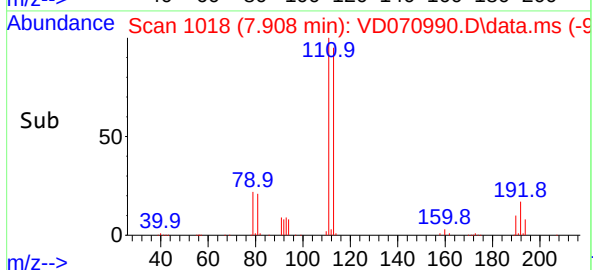
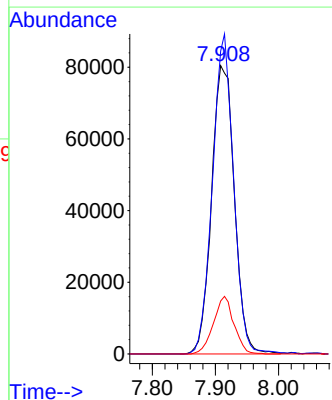
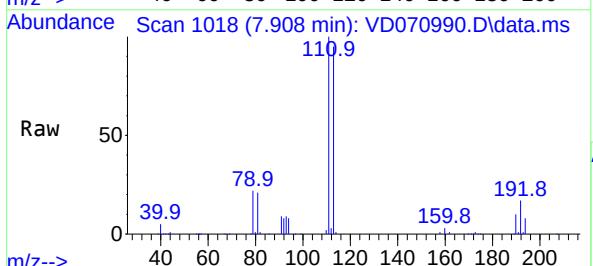
Tgt Ion:113 Resp: 202214

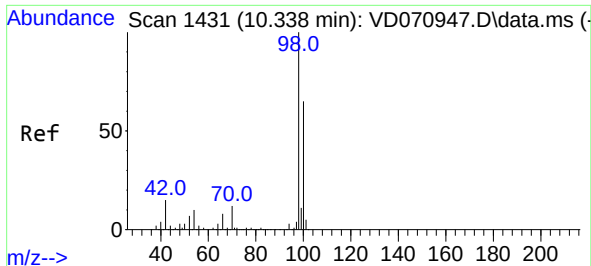
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 17.9 15.2 22.8

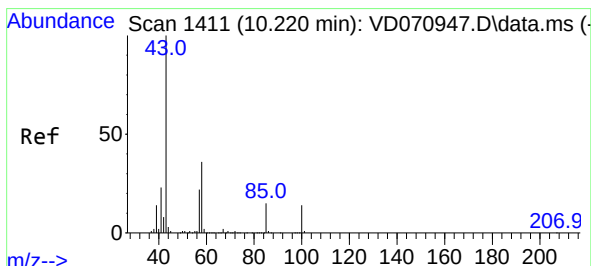
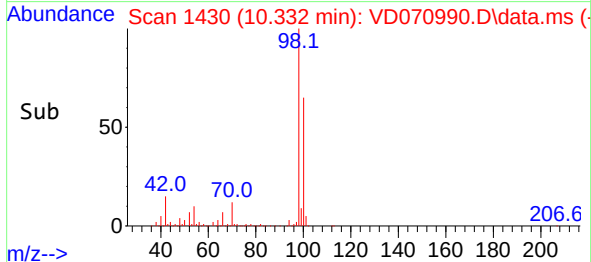
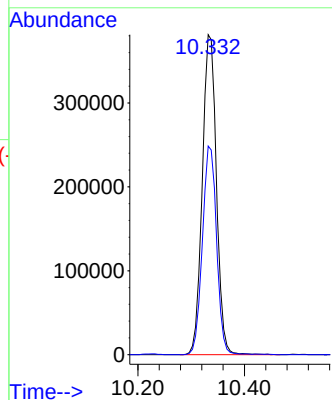
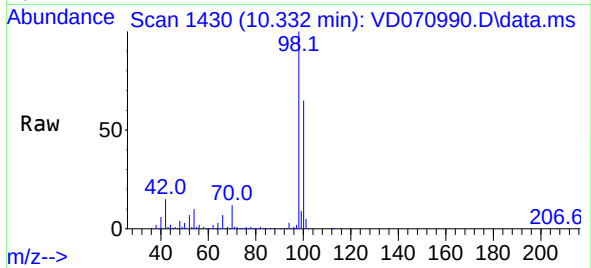




#50
Toluene-d8
Concen: 51.652 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

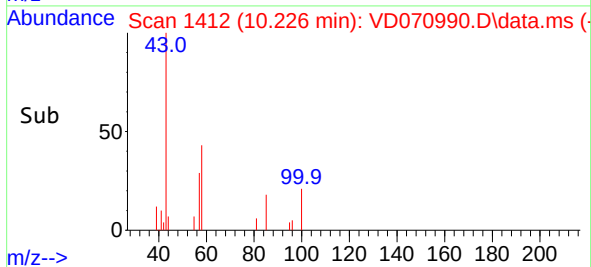
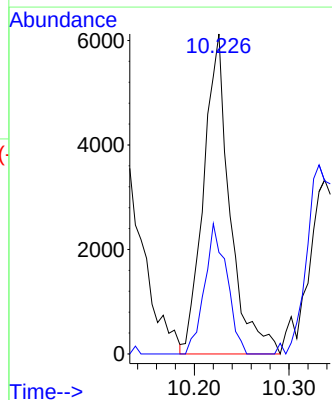
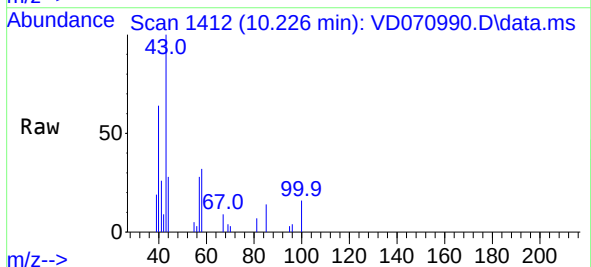
Instrument :
MSVOA_D
ClientSampleId :
DW-2

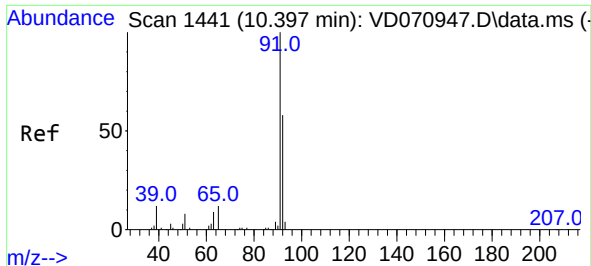
Tgt Ion: 98 Resp: 701228
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.595 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 43 Resp: 11798
Ion Ratio Lower Upper
43 100
58 34.5 33.1 49.7

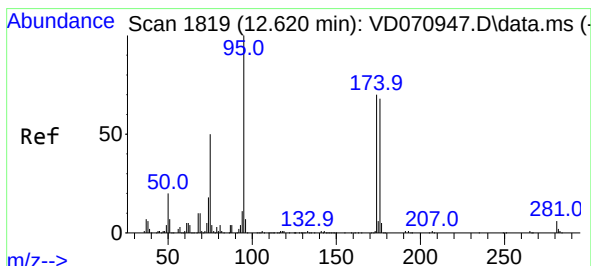
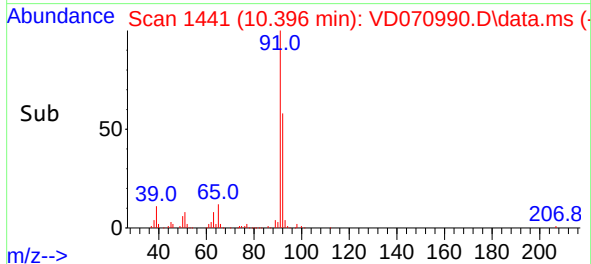
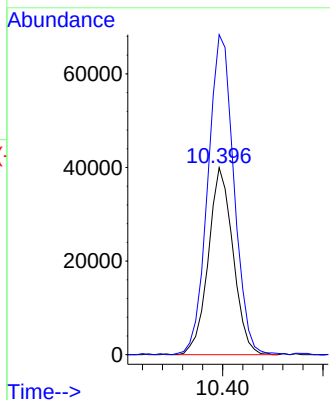
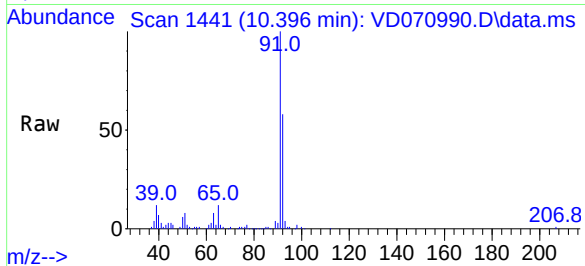




#52
Toluene
Concen: 7.031 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

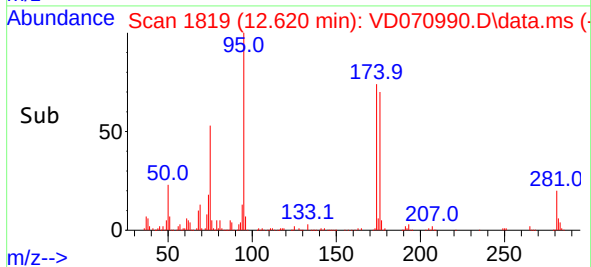
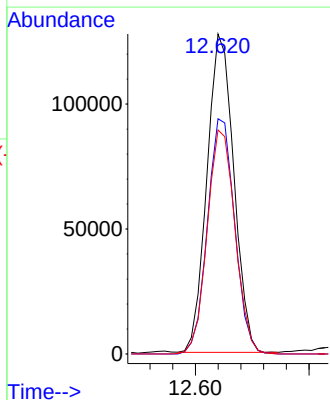
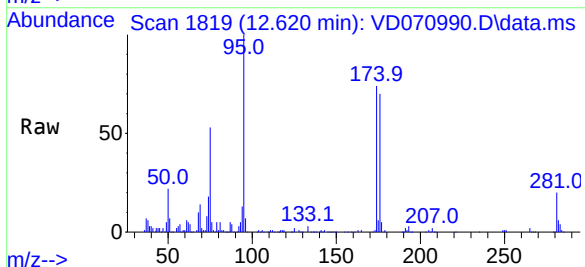
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ClientSampleId :
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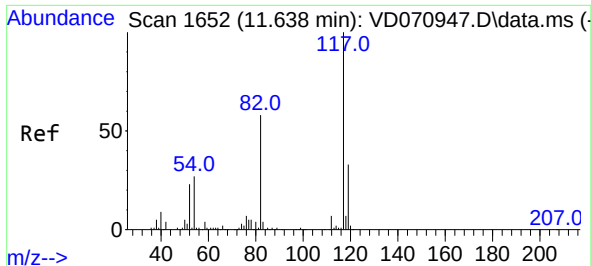
Tgt Ion: 92 Resp: 68459
Ion Ratio Lower Upper
92 100
91 180.7 140.7 211.1



#62
4-Bromofluorobenzene
Concen: 42.827 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion: 95 Resp: 209346
Ion Ratio Lower Upper
95 100
174 74.9 0.0 159.4
176 72.8 0.0 154.0

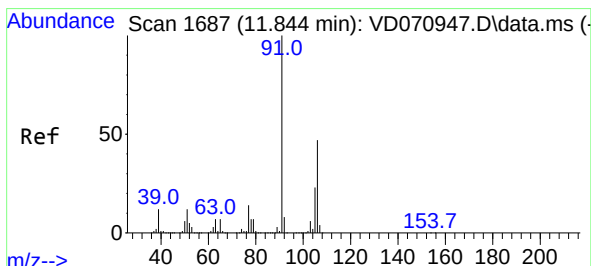
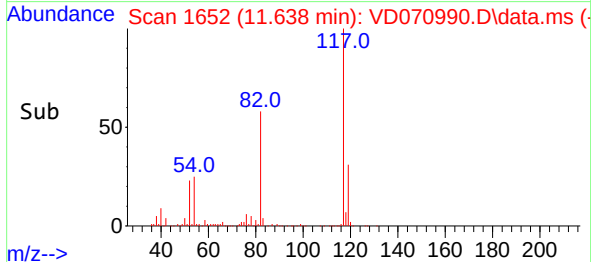
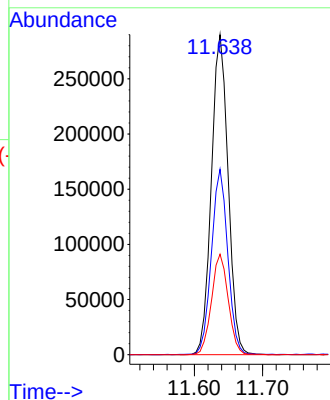
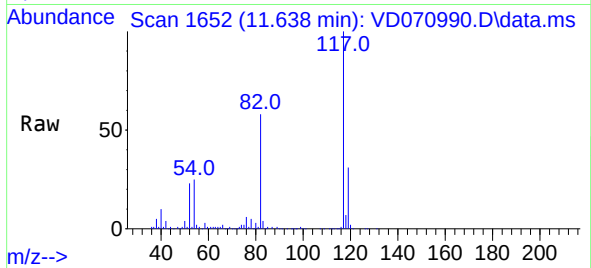




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

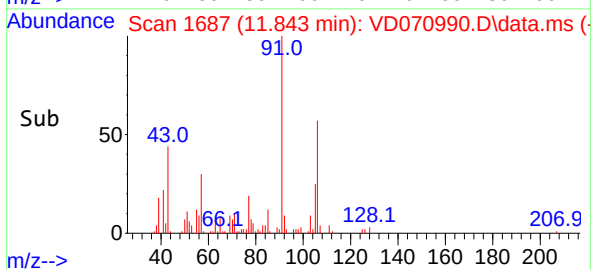
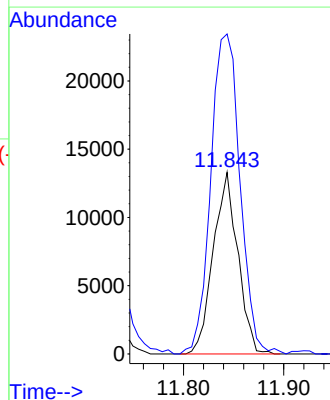
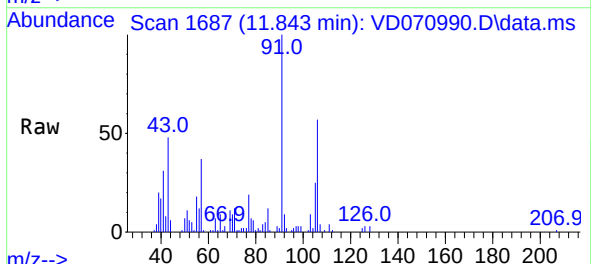
Instrument :
MSVOA_D
ClientSampleId :
DW-2

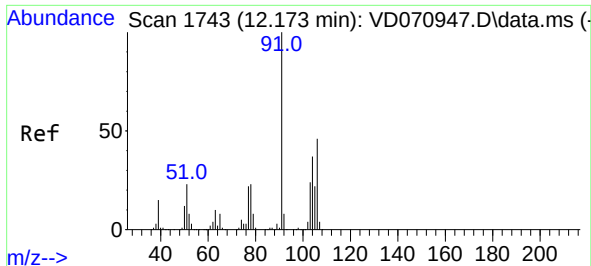
Tgt Ion:117 Resp: 495712
Ion Ratio Lower Upper
117 100
82 57.8 44.7 67.1
119 31.4 26.2 39.4



#68
m/p-Xylenes
Concen: 3.625 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.001 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion:106 Resp: 22692
Ion Ratio Lower Upper
106 100
91 209.3 160.1 240.1

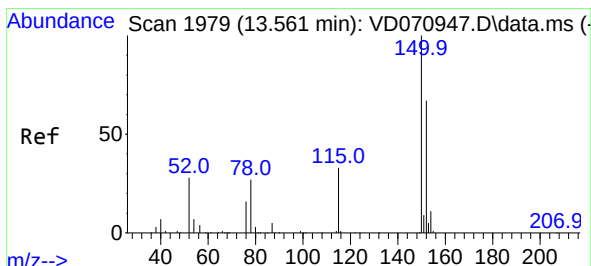
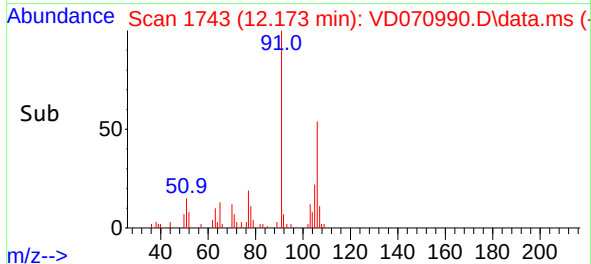
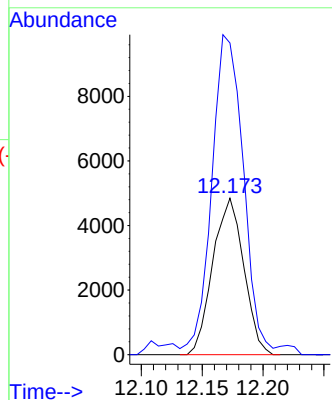
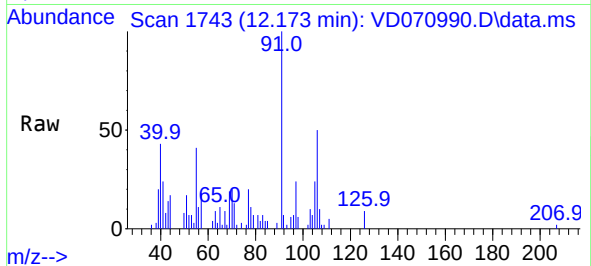




#69
o-Xylene
Concen: 1.441 ug/l
RT: 12.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

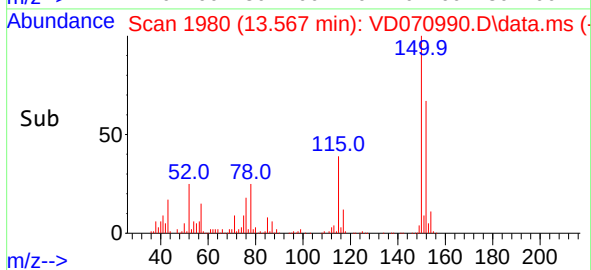
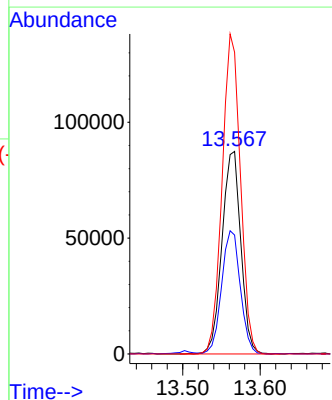
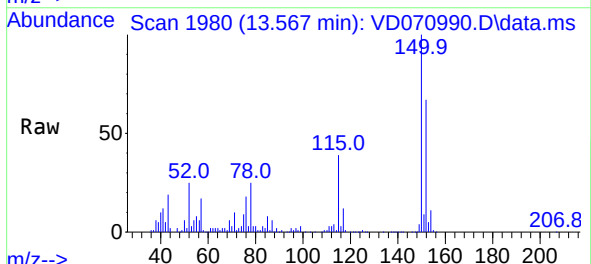
Instrument :
MSVOA_D
ClientSampleId :
DW-2

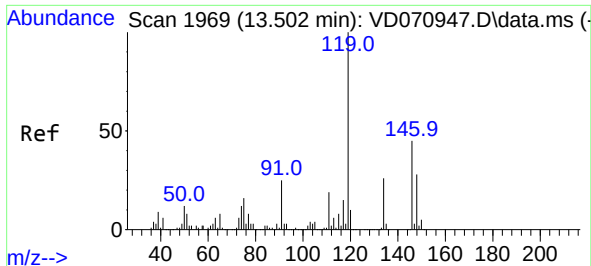
Tgt Ion:106 Resp: 8583
Ion Ratio Lower Upper
106 100
91 211.4 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion:152 Resp: 147780
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 153.0 0.0 349.2

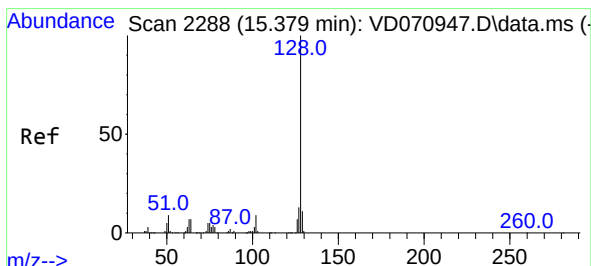
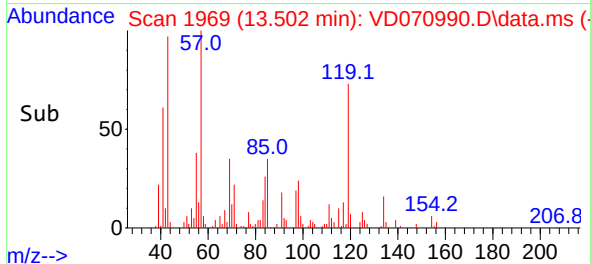
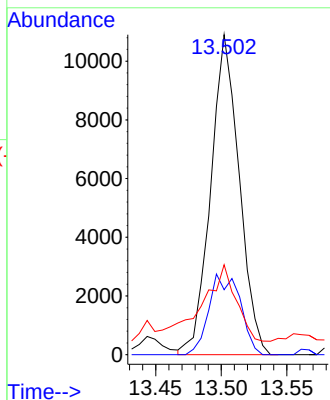
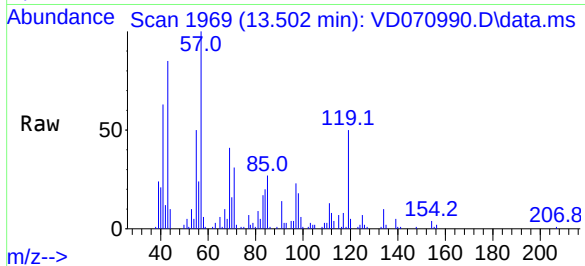




#86
p-Isopropyltoluene
Concen: 1.810 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :
DW-2

Tgt Ion:119 Resp: 16500
Ion Ratio Lower Upper
119 100
134 27.5 13.0 38.9
91 33.7 11.4 34.2



#95
Naphthalene
Concen: 2.251 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD070990.D
Acq: 11 Nov 2021 14:32

Tgt Ion:128 Resp: 10600
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 10.9 8.7 13.1

