

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069336.D
 Acq On : 03 Jun 2021 20:28
 Operator : VA/SY
 Sample : M2583-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 54-57S

Quant Time: Jun 04 09:39:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	261667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	456094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	389017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	133337	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	141577	56.388	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.780%
35) Dibromofluoromethane	7.914	113	146956	51.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.620%
50) Toluene-d8	10.338	98	507107	48.689	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.626	95	157637	46.190	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.380%

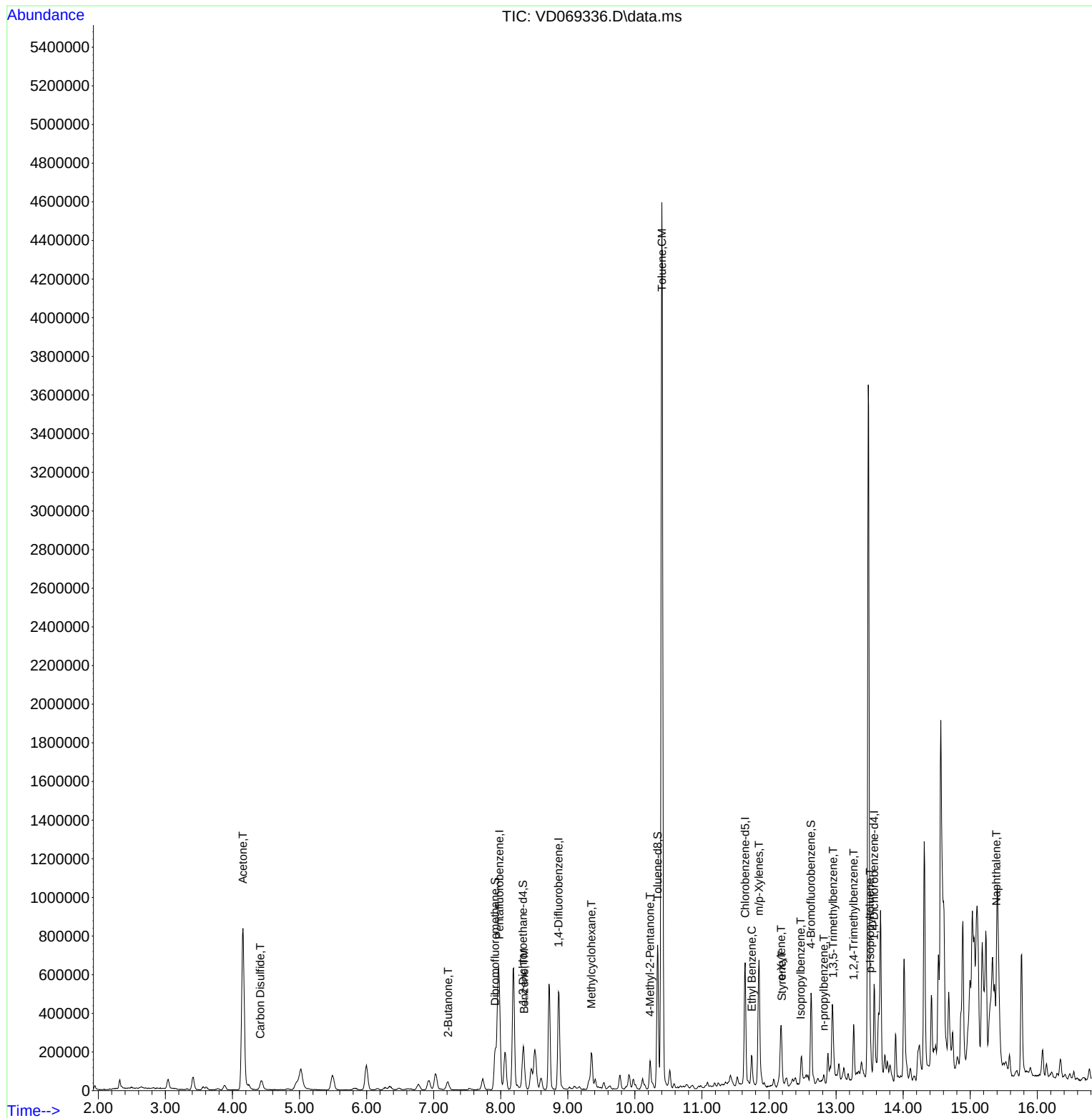
Target Compounds						Qvalue
16) Acetone	4.156	43	1420457	3241.972	ug/l	96
17) Carbon Disulfide	4.415	76	13706	1.579	ug/l	98
25) 2-Butanone	7.214	43	51406	89.163	ug/l	95
39) Methylcyclohexane	9.350	83	72277	15.937	ug/l #	92
40) Benzene	8.350	78	87772	6.817	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	86177	60.903	ug/l	94
52) Toluene	10.403	92	2153344	264.966	ug/l	98
67) Ethyl Benzene	11.744	91	105576	7.730	ug/l	99
68) m/p-Xylenes	11.850	106	172442	32.221	ug/l	100
69) o-Xylene	12.179	106	81977	17.319	ug/l	95
70) Styrene	12.191	104	42816	5.211	ug/l #	82
73) Isopropylbenzene	12.473	105	22726	2.490	ug/l	89
78) n-propylbenzene	12.814	91	37143	3.319	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	61262	7.927	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	167665	21.814	ug/l	97
86) p-Isopropyltoluene	13.508	119	153573	18.386	ug/l #	78
95) Naphthalene	15.390	128	32556	9.984	ug/l #	84

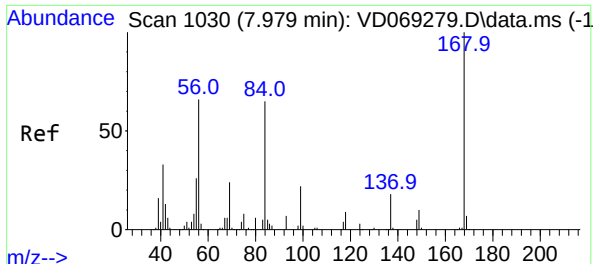
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

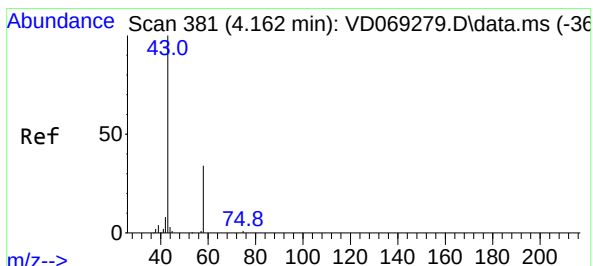
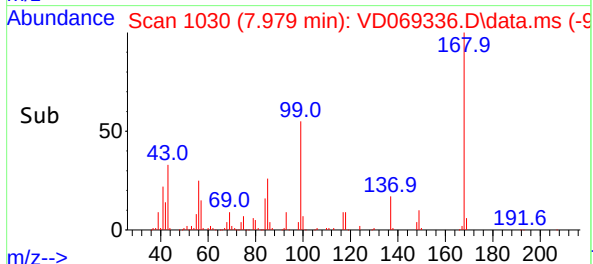
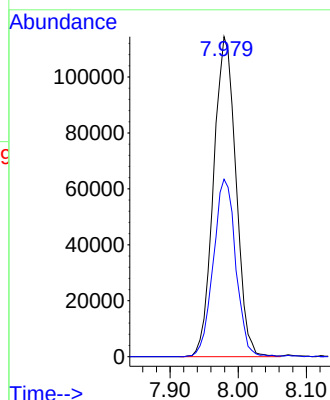
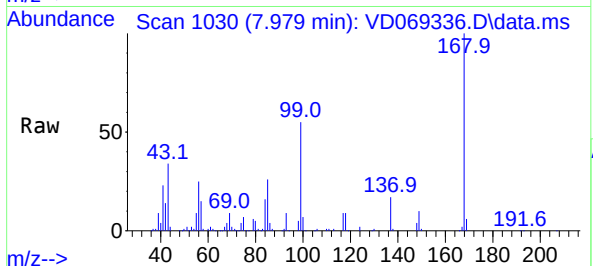




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

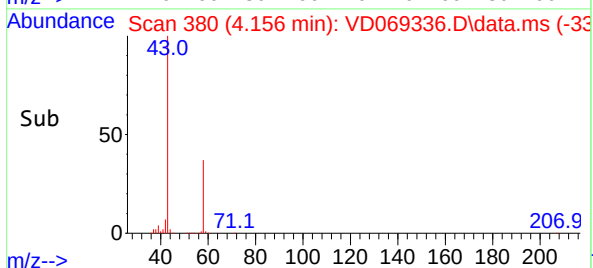
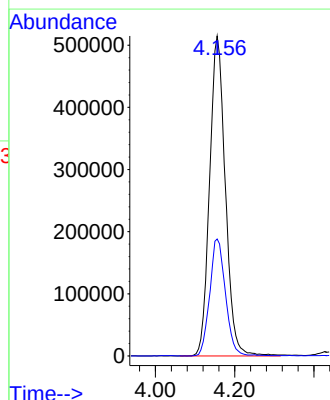
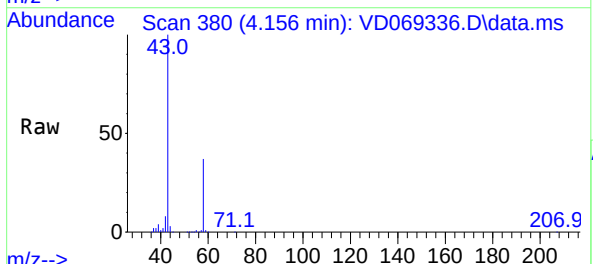
Instrument :
MSVOA_D
ClientSampled :
54-57S

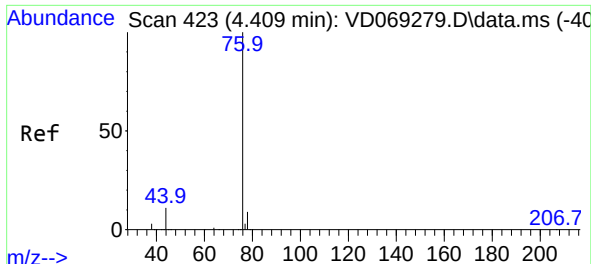
Tgt Ion:168 Resp: 261667
Ion Ratio Lower Upper
168 100
99 55.5 46.2 69.2



#16
Acetone
Concen: 3241.972 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 43 Resp: 1420457
Ion Ratio Lower Upper
43 100
58 36.5 27.5 41.3

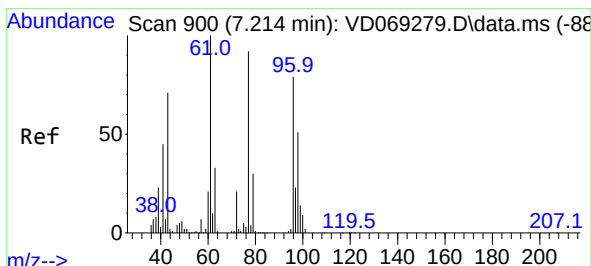
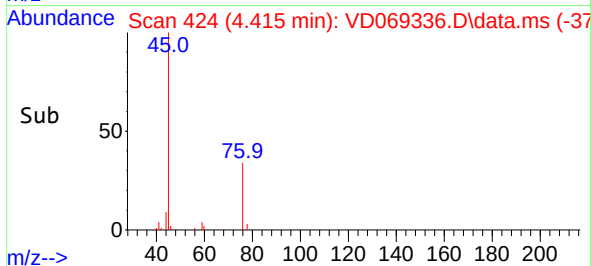
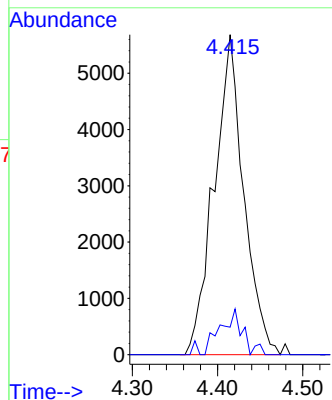
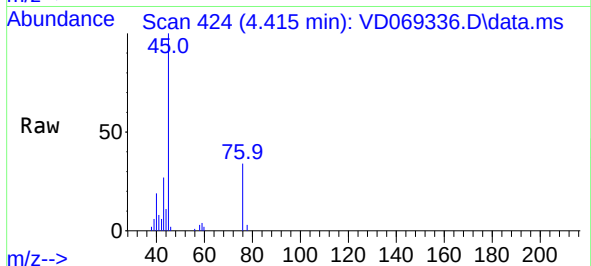




#17
Carbon Disulfide
Concen: 1.579 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

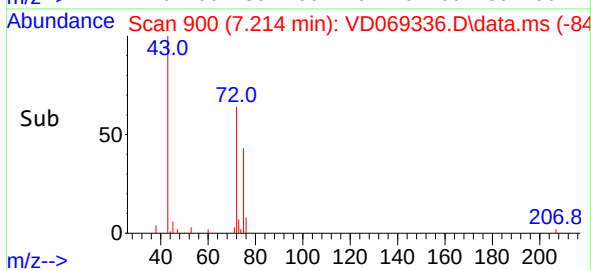
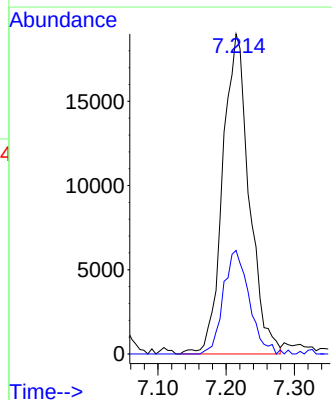
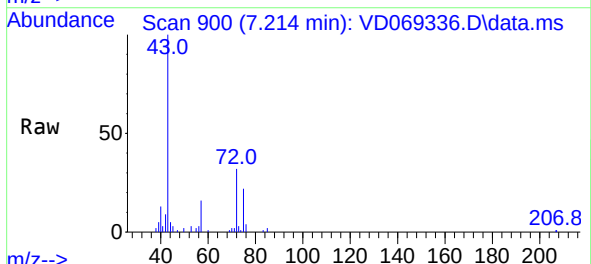
Instrument :
MSVOA_D
ClientSampled :
54-57S

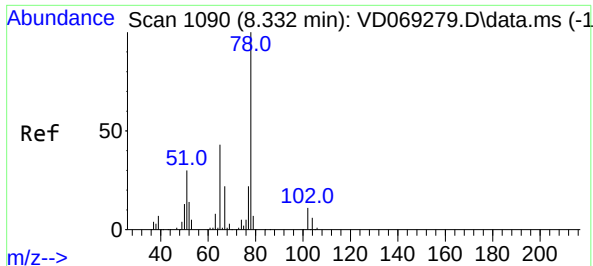
Tgt Ion: 76 Resp: 13706
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#25
2-Butanone
Concen: 89.163 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 43 Resp: 51406
Ion Ratio Lower Upper
43 100
72 32.4 23.9 35.9

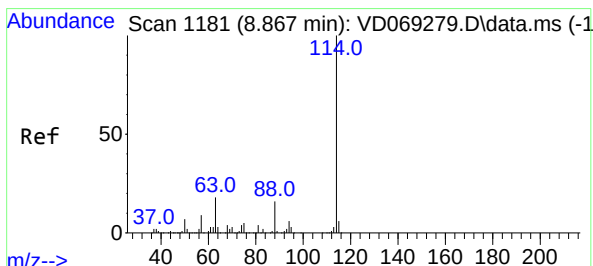
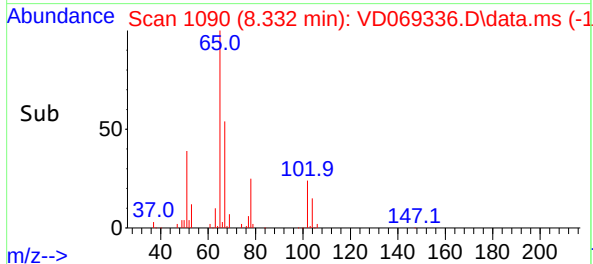
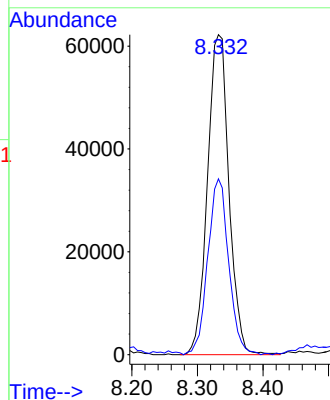
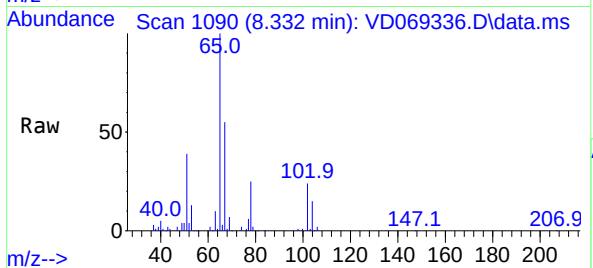




#33
1,2-Dichloroethane-d4
Concen: 56.388 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

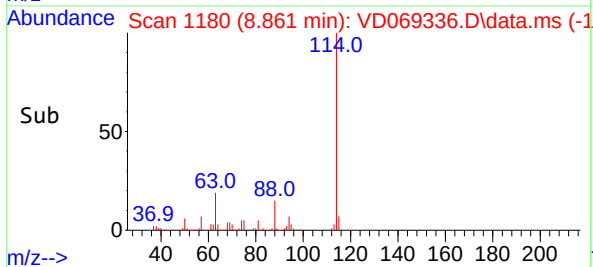
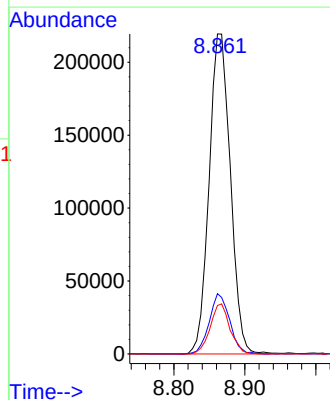
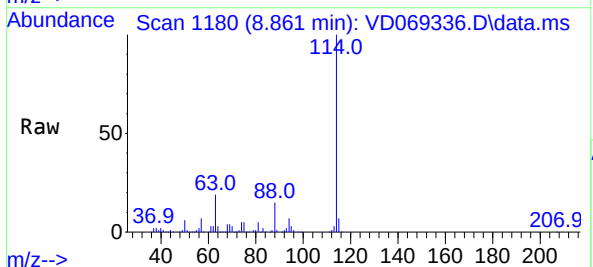
Instrument :
MSVOA_D
ClientSampleId :
54-57S

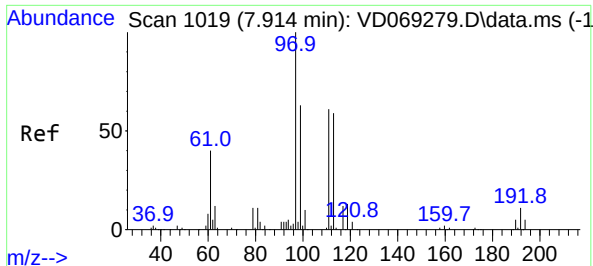
Tgt Ion: 65 Resp: 141577
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

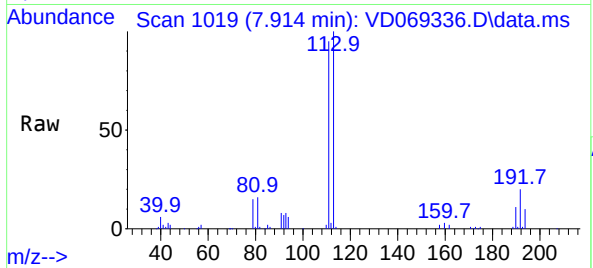
Tgt Ion:114 Resp: 456094
Ion Ratio Lower Upper
114 100
63 18.8 0.0 35.6
88 15.2 0.0 31.2



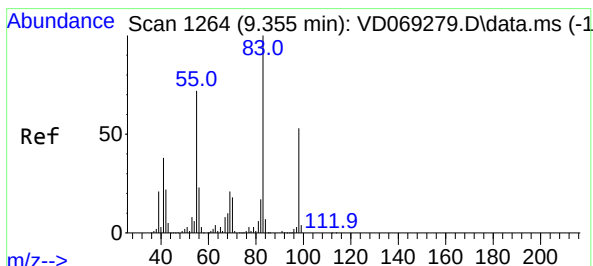
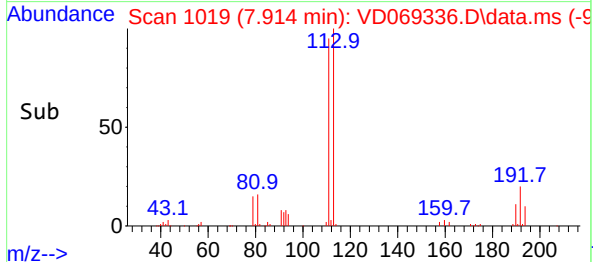
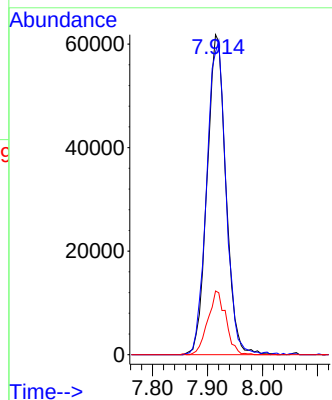


#35
Dibromofluoromethane
Concen: 51.309 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_D
ClientSampleId :
54-57S

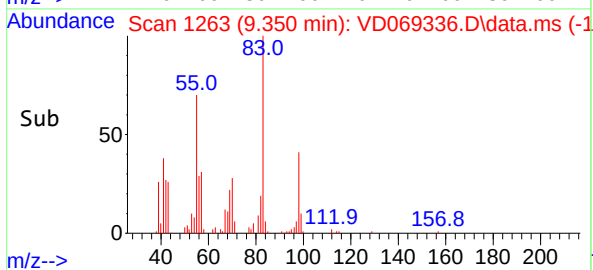
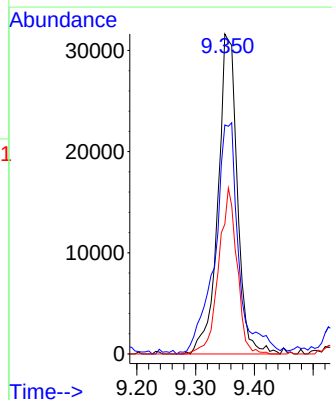
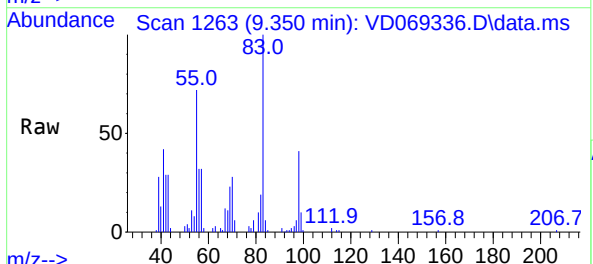


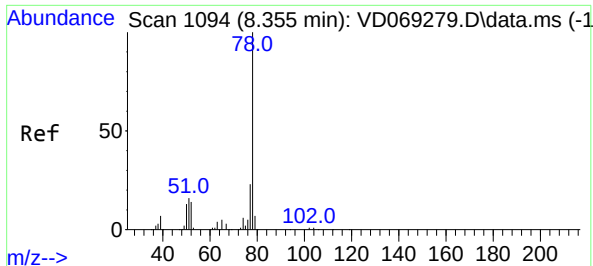
Tgt Ion:113 Resp: 146956
Ion Ratio Lower Upper
113 100
111 100.6 83.0 124.6
192 19.1 15.1 22.7



#39
Methylcyclohexane
Concen: 15.937 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 83 Resp: 72277
Ion Ratio Lower Upper
83 100
55 70.9 57.4 86.2
98 40.5 42.2 63.2#

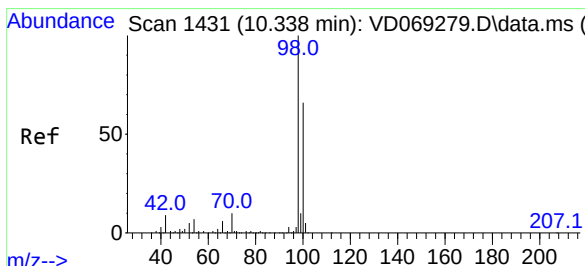
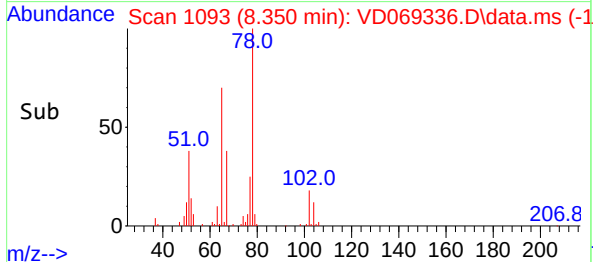
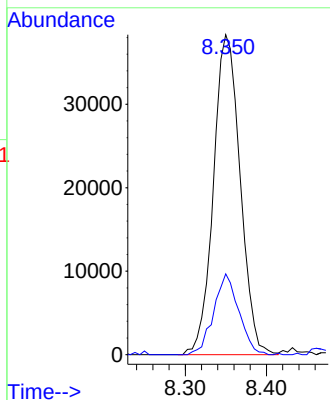
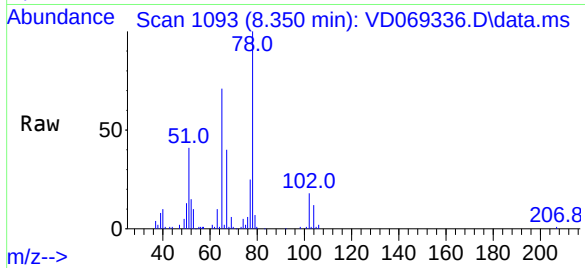




#40
Benzene
Concen: 6.817 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

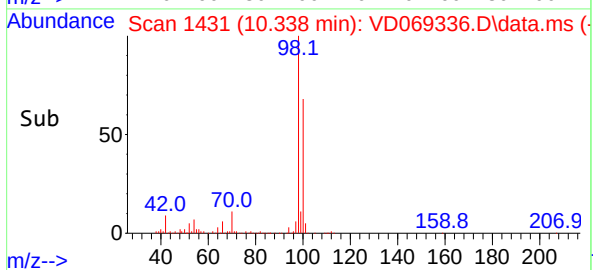
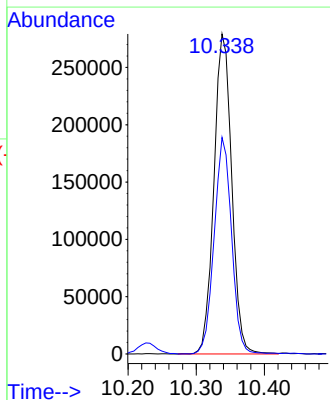
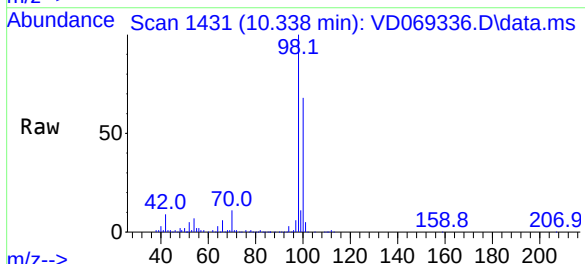
Instrument :
MSVOA_D
ClientSampled :
54-57S

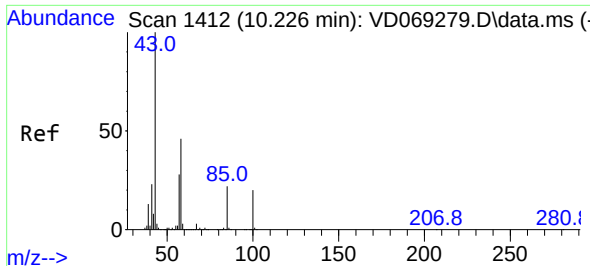
Tgt Ion: 78 Resp: 87772
Ion Ratio Lower Upper
78 100
77 25.3 18.7 28.1



#50
Toluene-d8
Concen: 48.689 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 98 Resp: 507107
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1

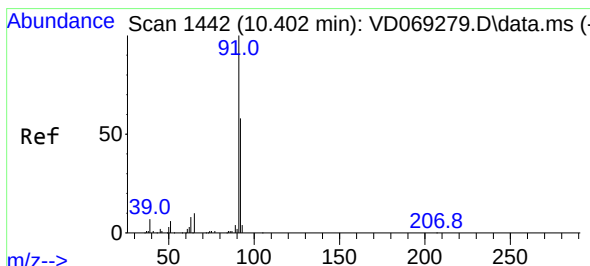
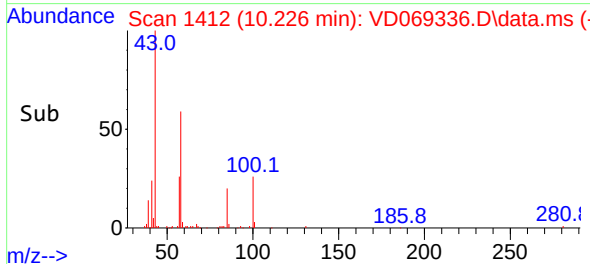
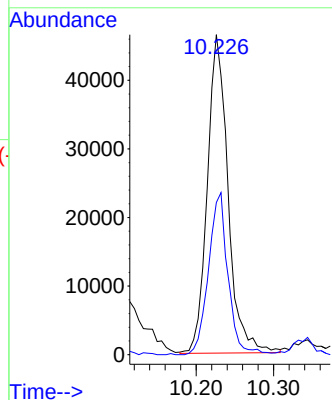
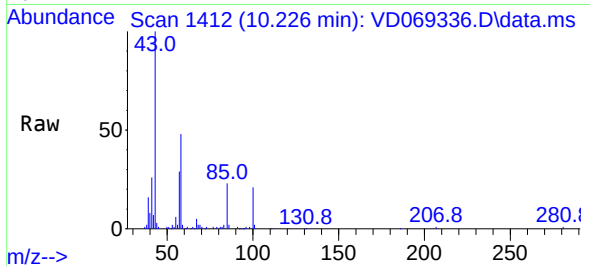




#51
4-Methyl-2-Pentanone
Concen: 60.903 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

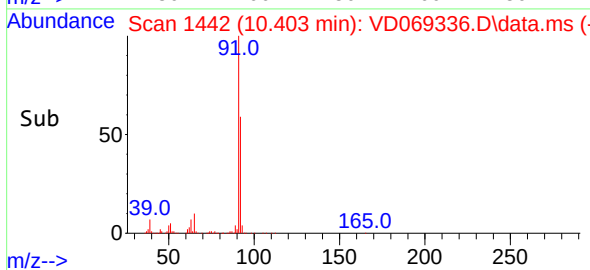
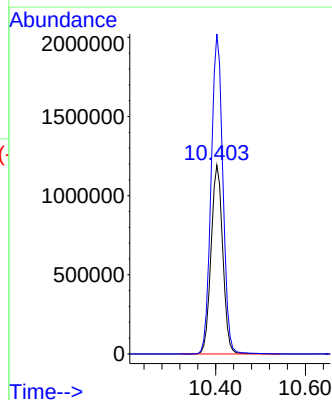
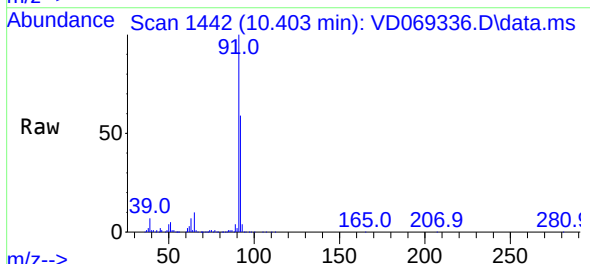
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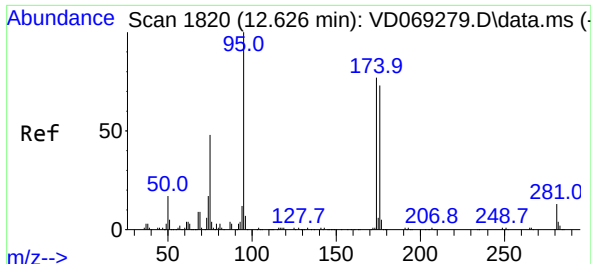
Tgt Ion: 43 Resp: 86177
Ion Ratio Lower Upper
43 100
58 47.8 35.1 52.7



#52
Toluene
Concen: 264.966 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 92 Resp: 2153344
Ion Ratio Lower Upper
92 100
91 170.1 138.4 207.6



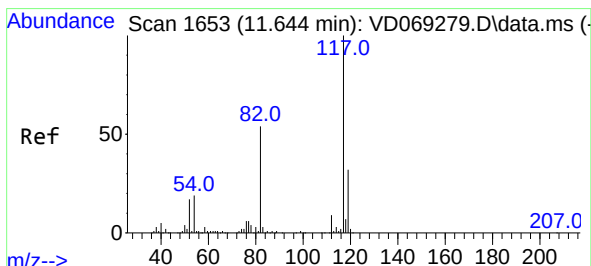
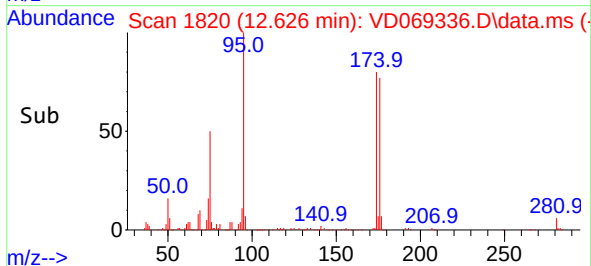
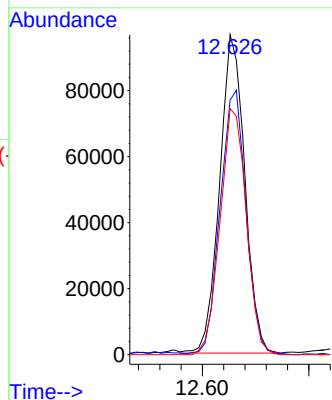
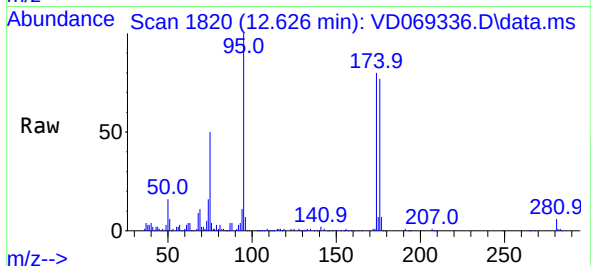


#62
4-Bromofluorobenzene
Concen: 46.190 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_D
ClientSampled :
54-57S

Tgt Ion: 95 Resp: 157637

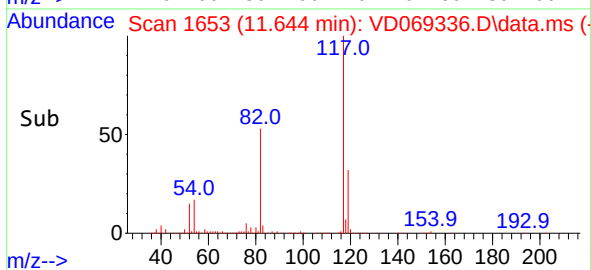
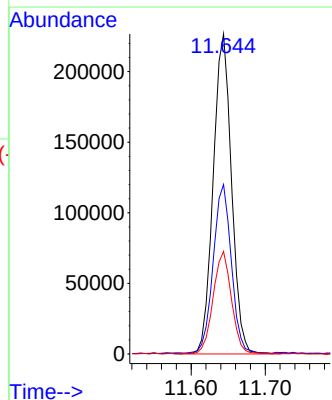
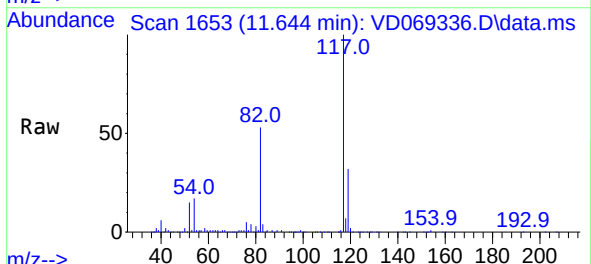
Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	162.8
176	80.6	0.0	154.4

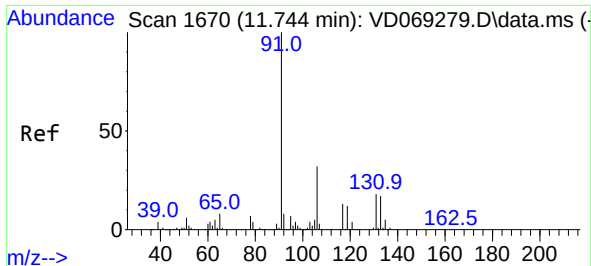


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 117 Resp: 389017

Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.3	64.9
119	32.0	25.3	37.9

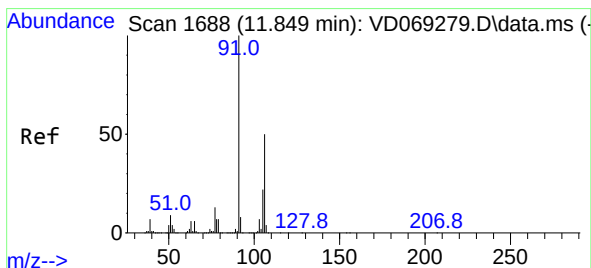
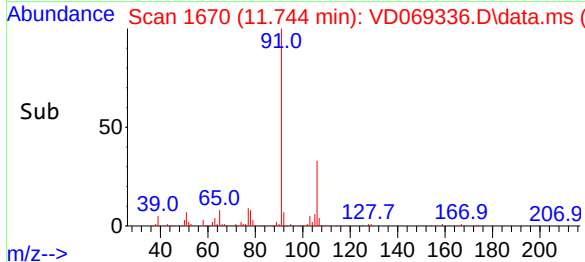
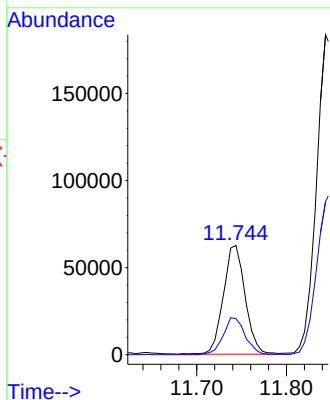
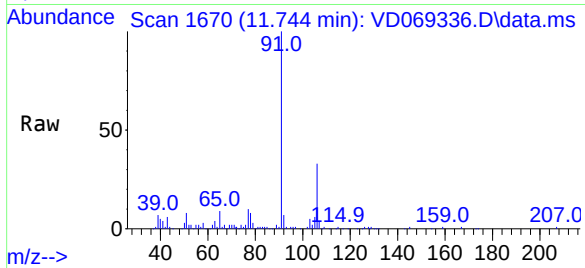




#67
Ethyl Benzene
Concen: 7.730 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

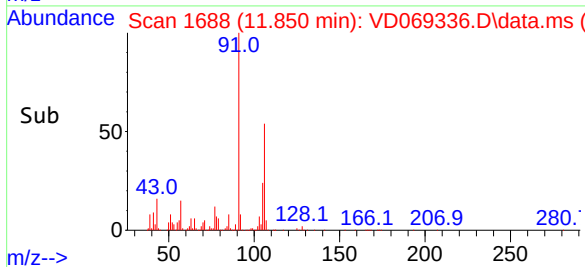
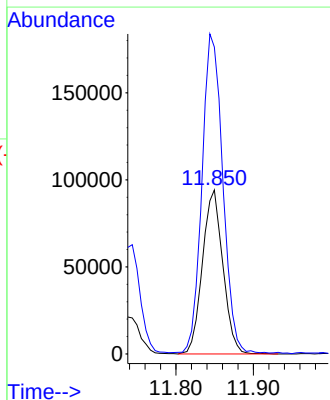
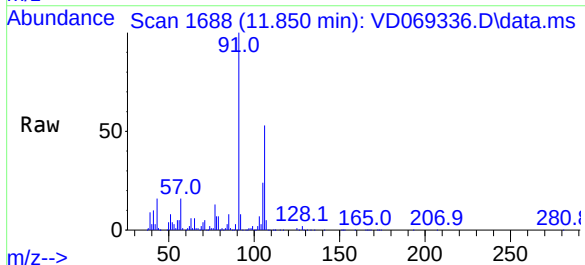
Instrument :
MSVOA_D
ClientSampleId :
54-57S

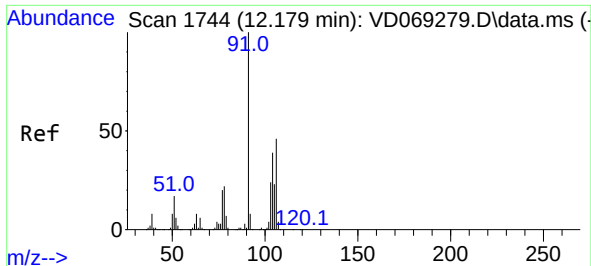
Tgt Ion: 91 Resp: 105576
Ion Ratio Lower Upper
91 100
106 33.1 25.9 38.9



#68
m/p-Xylenes
Concen: 32.221 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 106 Resp: 172442
Ion Ratio Lower Upper
106 100
91 197.7 158.3 237.5

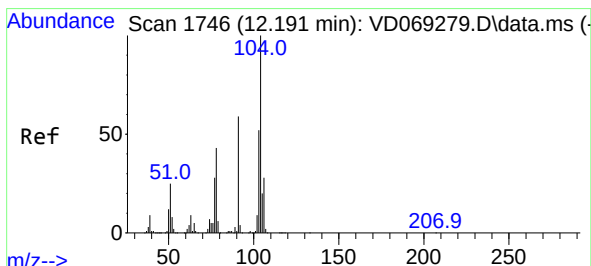
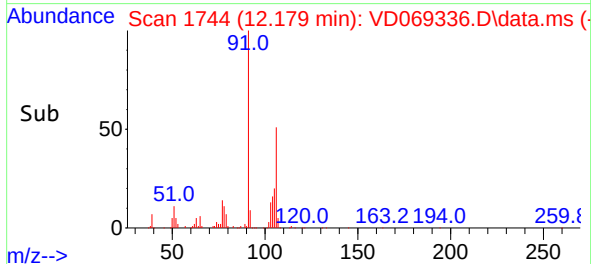
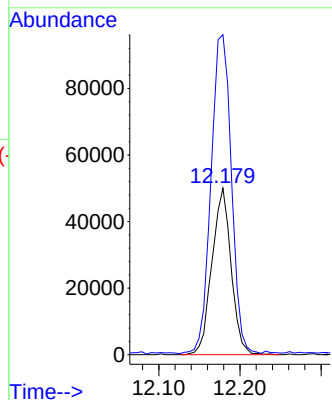
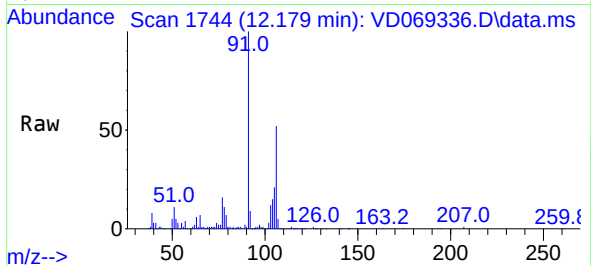




#69
o-Xylene
Concen: 17.319 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

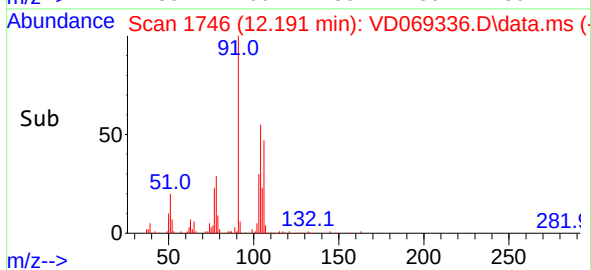
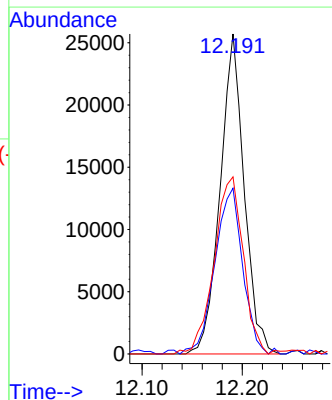
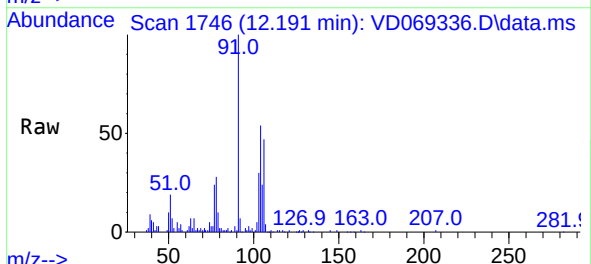
Instrument :
MSVOA_D
ClientSampleId :
54-57S

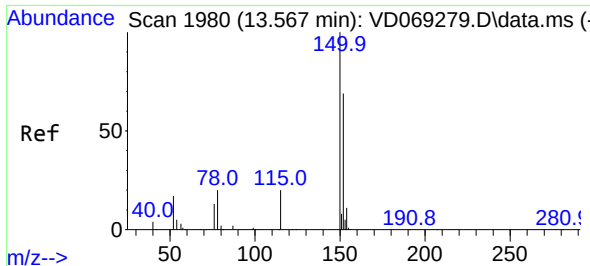
Tgt Ion:106 Resp: 81977
Ion Ratio Lower Upper
106 100
91 203.5 105.5 316.4



#70
Styrene
Concen: 5.211 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion:104 Resp: 42816
Ion Ratio Lower Upper
104 100
78 60.2 37.5 56.3#
103 66.9 44.3 66.5#

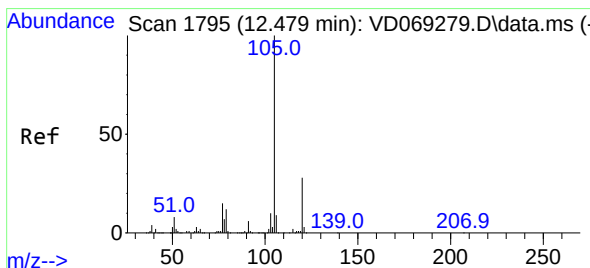
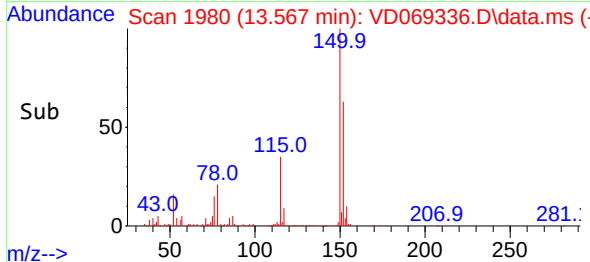
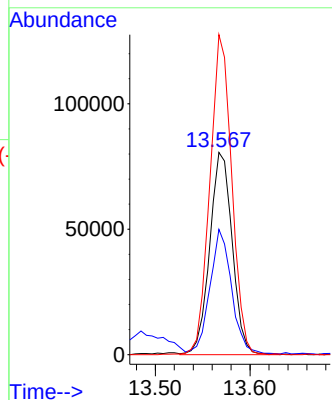
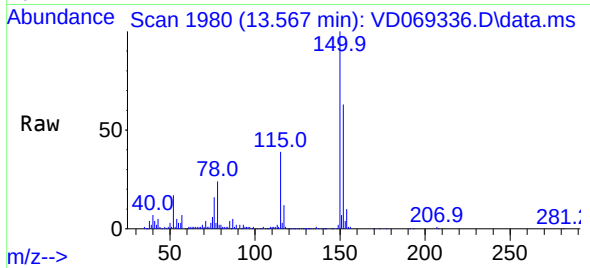




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

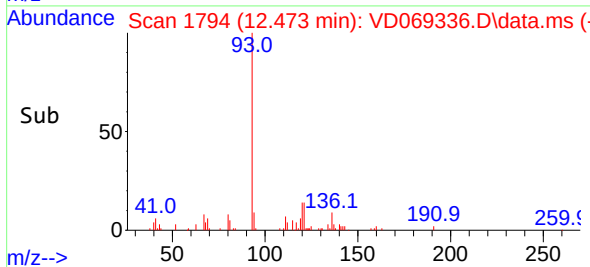
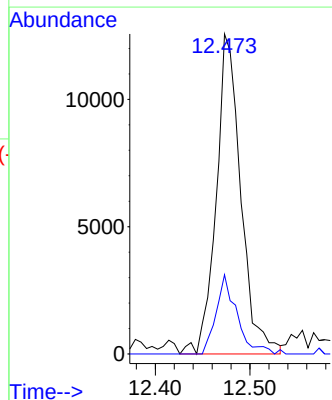
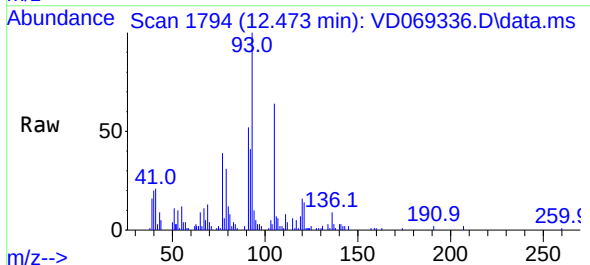
Instrument :
MSVOA_D
ClientSampled :
54-57S

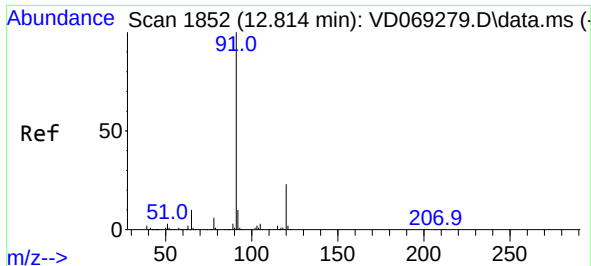
Tgt Ion:152 Resp: 133337
Ion Ratio Lower Upper
152 100
115 58.9 29.4 88.3
150 153.5 0.0 355.0



#73
Isopropylbenzene
Concen: 2.490 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion:105 Resp: 22726
Ion Ratio Lower Upper
105 100
120 21.1 13.5 40.5

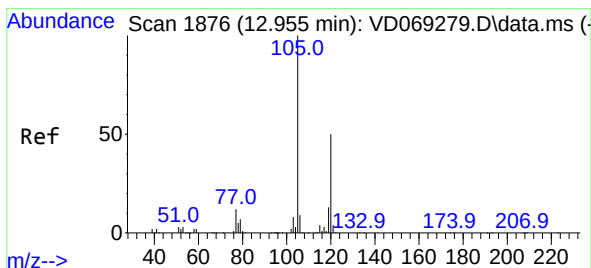
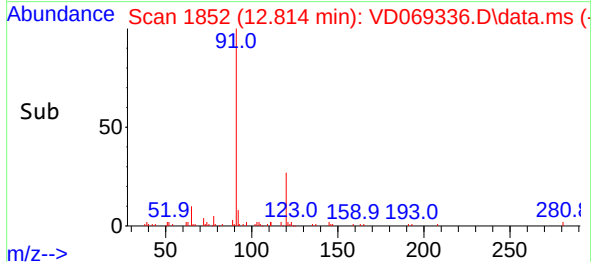
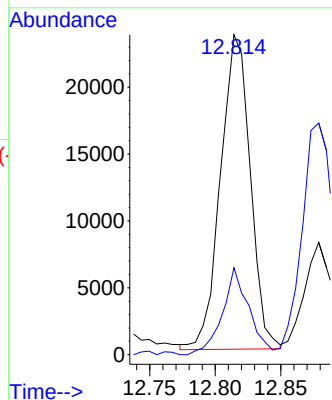
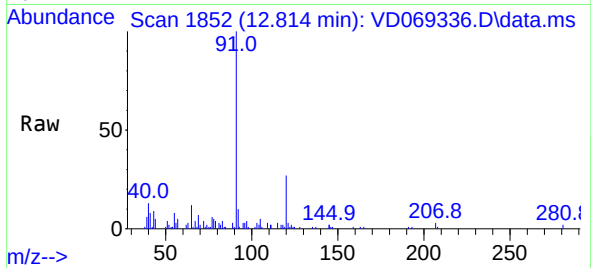




#78
n-propylbenzene
Concen: 3.319 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

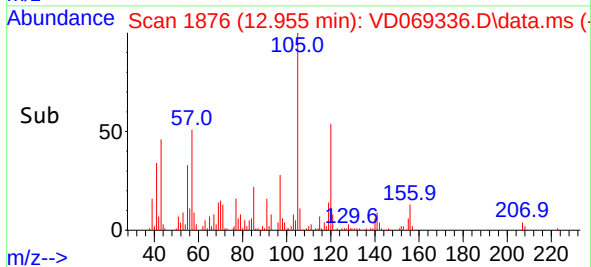
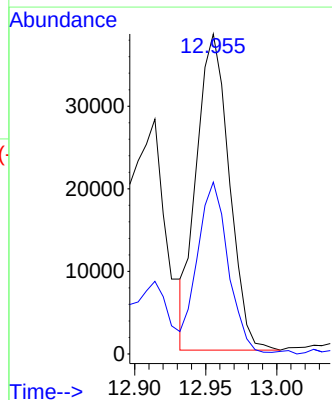
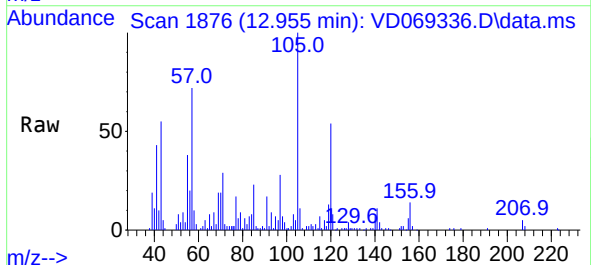
Instrument :
MSVOA_D
ClientSampled :
54-57S

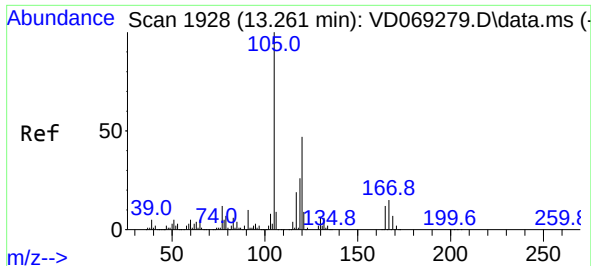
Tgt Ion: 91 Resp: 37143
Ion Ratio Lower Upper
91 100
120 24.5 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 7.927 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Tgt Ion: 105 Resp: 61262
Ion Ratio Lower Upper
105 100
120 50.5 24.9 74.7

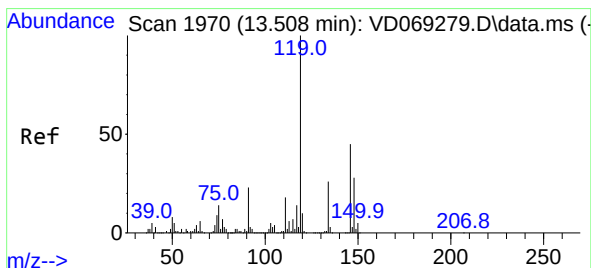
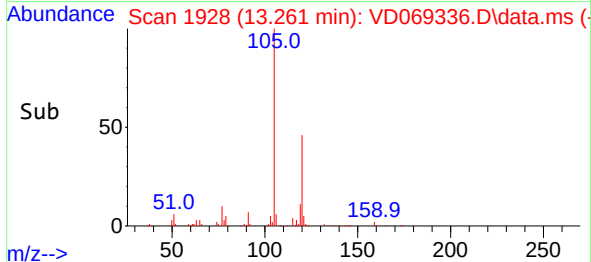
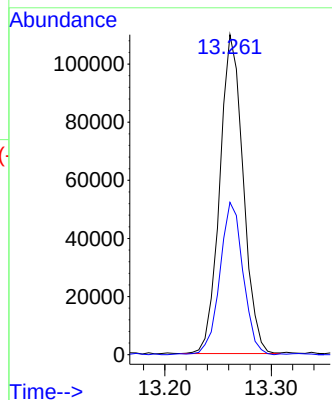
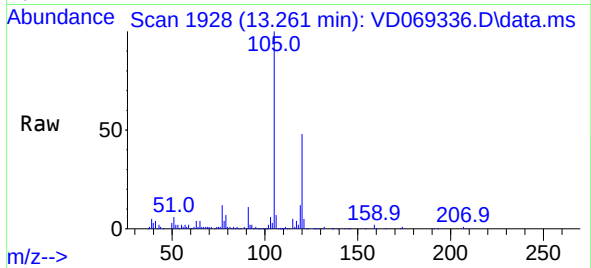




#84
1,2,4-Trimethylbenzene
Concen: 21.814 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

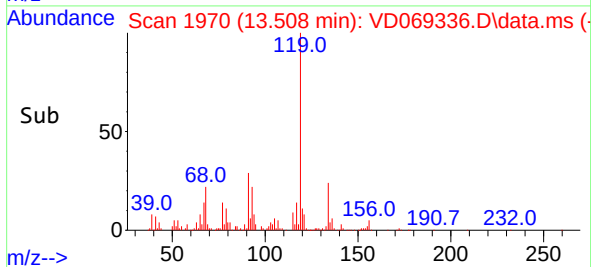
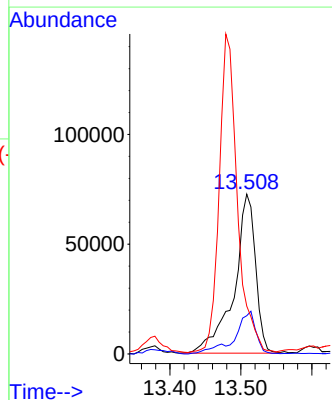
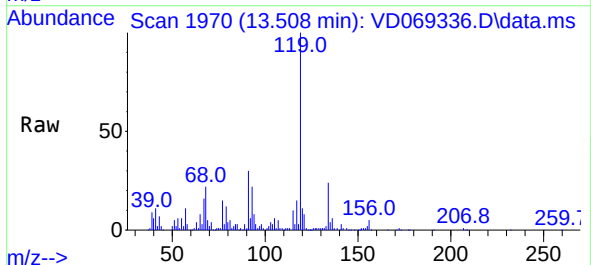
Instrument :
MSVOA_D
ClientSampled :
54-57S

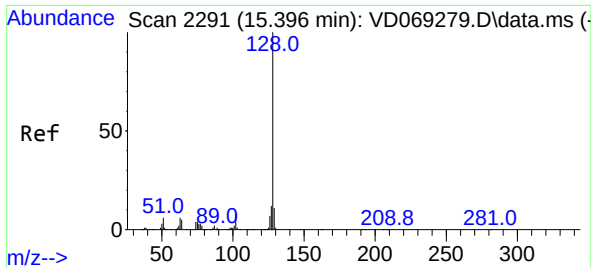
Tgt Ion:105 Resp: 167665
Ion Ratio Lower Upper
105 100
120 47.4 22.6 67.8



#86
p-Isopropyltoluene
Concen: 18.386 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

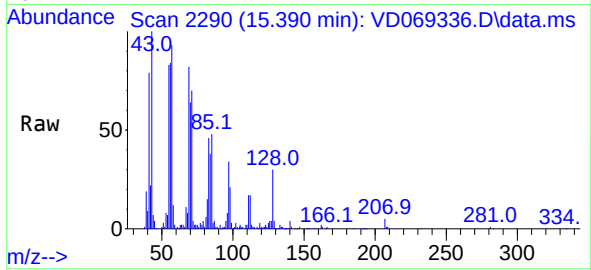
Tgt Ion:119 Resp: 153573
Ion Ratio Lower Upper
119 100
134 26.5 13.0 39.0
91 0.0 11.3 33.8#





#95
Naphthalene
Concen: 9.984 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069336.D
Acq: 03 Jun 2021 20:28

Instrument :
MSVOA_D
ClientSampleId :
54-57S



Tgt Ion:	128	Resp:	32556
Ion	Ratio	Lower	Upper
128	100		
127	23.0	10.4	15.6#
129	13.2	8.8	13.2

