

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069332.D
 Acq On : 03 Jun 2021 18:35
 Operator : VA/SY
 Sample : M2583-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 39-41S

Quant Time: Jun 04 09:37:34 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	321372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	554477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	492737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	204955	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	155247	50.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.700%	
35) Dibromofluoromethane	7.914	113	170413	48.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.880%	
50) Toluene-d8	10.338	98	648510	51.218	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.440%	
62) 4-Bromofluorobenzene	12.626	95	215299	51.893	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.780%	

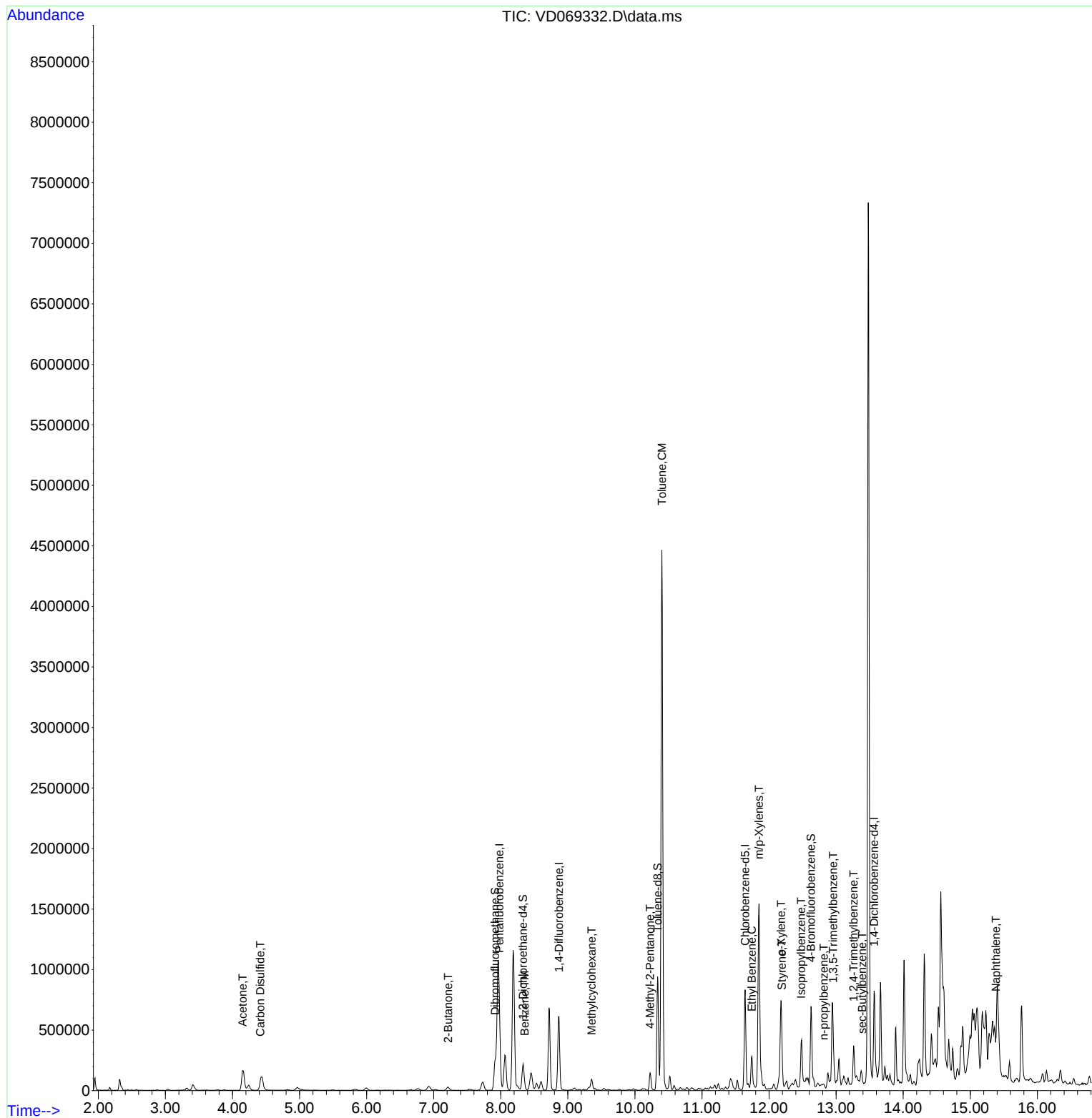
Target Compounds					Qvalue	
16) Acetone	4.150	43	293608	545.620	ug/l	99
17) Carbon Disulfide	4.414	76	19124	1.794	ug/l #	91
25) 2-Butanone	7.214	43	35873	50.661	ug/l	91
39) Methylcyclohexane	9.355	83	34152	6.194	ug/l	95
40) Benzene	8.355	78	29974	1.915	ug/l #	89
51) 4-Methyl-2-Pentanone	10.226	43	88497	51.446	ug/l	100
52) Toluene	10.402	92	2030663	205.534	ug/l	99
67) Ethyl Benzene	11.743	91	197076	11.392	ug/l	99
68) m/p-Xylenes	11.849	106	387457	57.157	ug/l	100
69) o-Xylene	12.179	106	178782	29.820	ug/l	99
70) Styrene	12.190	104	101172	9.721	ug/l #	82
73) Isopropylbenzene	12.479	105	34972	2.493	ug/l	86
78) n-propylbenzene	12.814	91	22407	1.303	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	100198	8.435	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	186168	15.758	ug/l	98
85) sec-Butylbenzene	13.390	105	15730	1.071	ug/l #	59
95) Naphthalene	15.384	128	21278	6.143	ug/l #	75

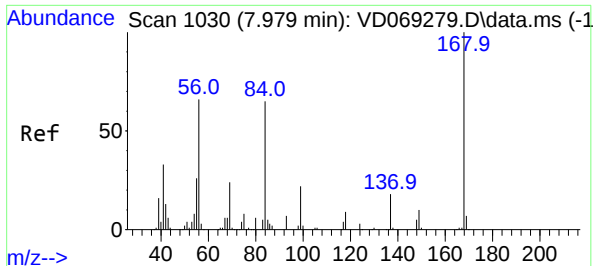
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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39-41S

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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

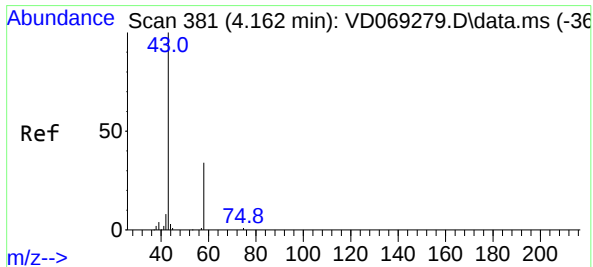
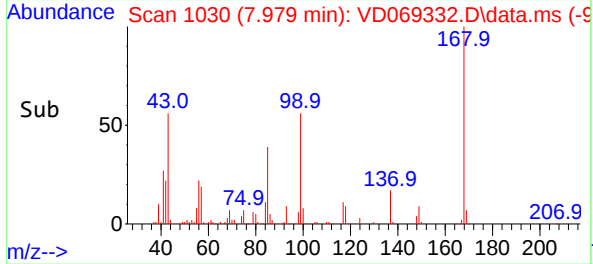
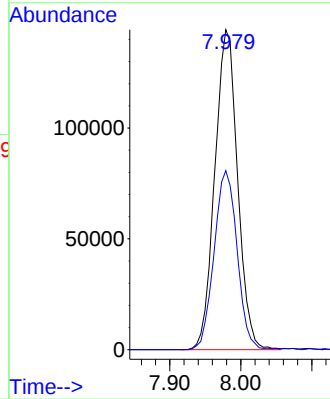
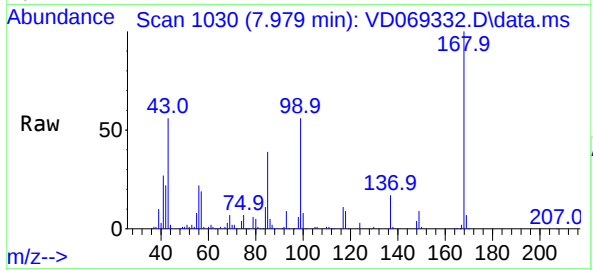




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

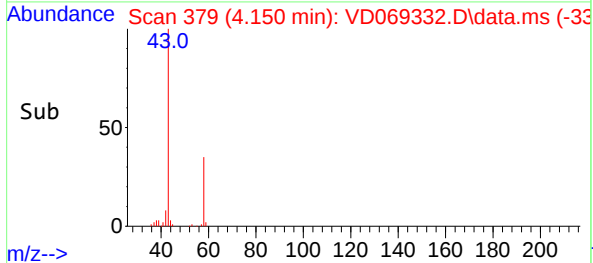
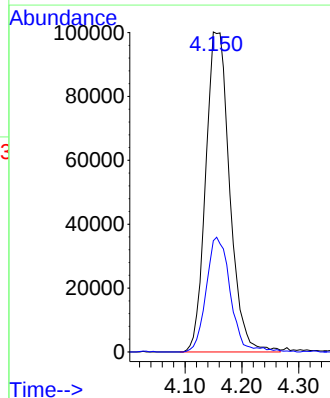
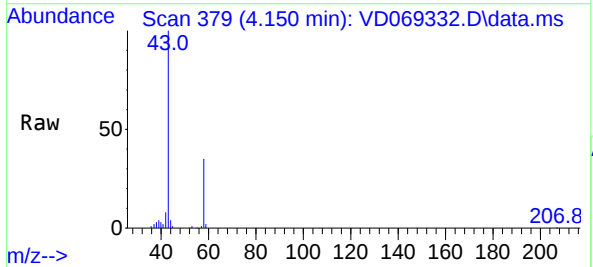
Instrument :
MSVOA_D
ClientSampled :
39-41S

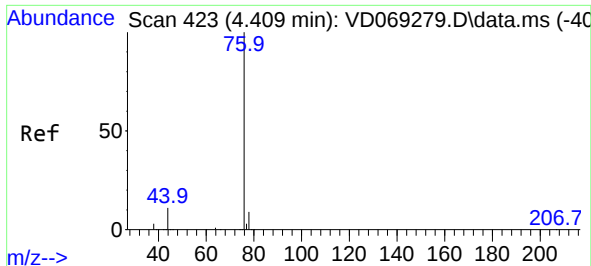
Tgt Ion:168 Resp: 321372
Ion Ratio Lower Upper
168 100
99 56.0 46.2 69.2



#16
Acetone
Concen: 545.620 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion: 43 Resp: 293608
Ion Ratio Lower Upper
43 100
58 34.8 27.5 41.3

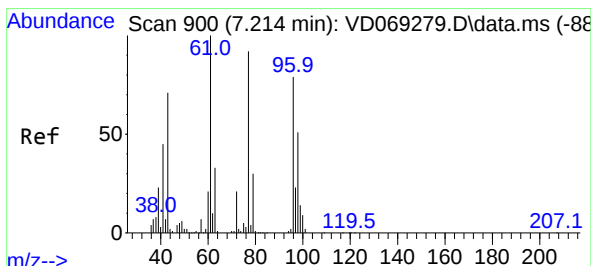
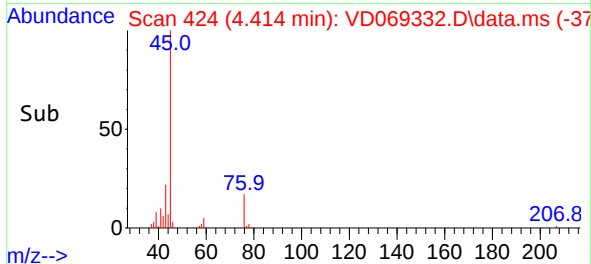
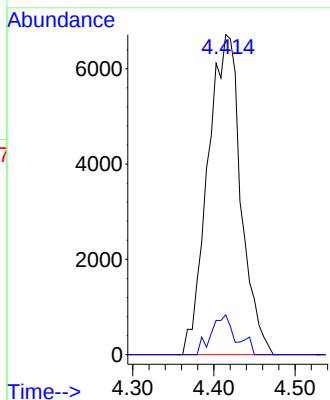
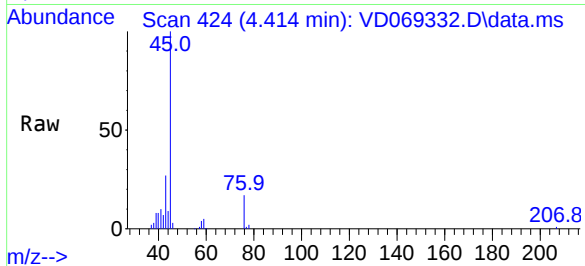




#17
Carbon Disulfide
Concen: 1.794 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

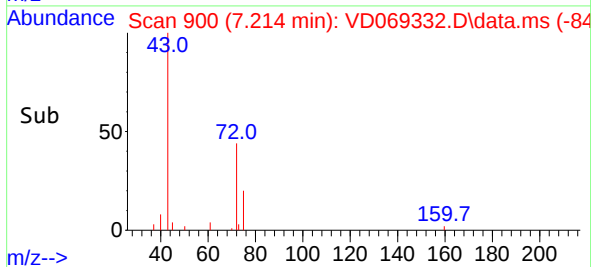
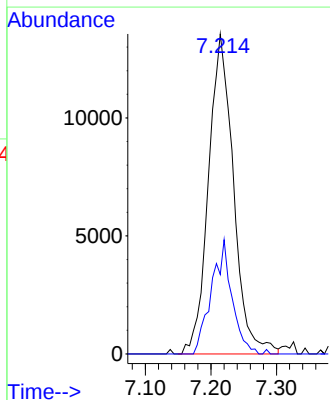
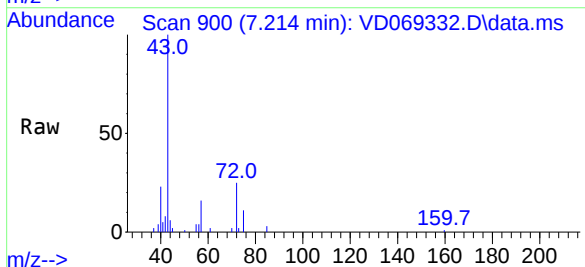
Instrument :
MSVOA_D
ClientSampleId :
39-41S

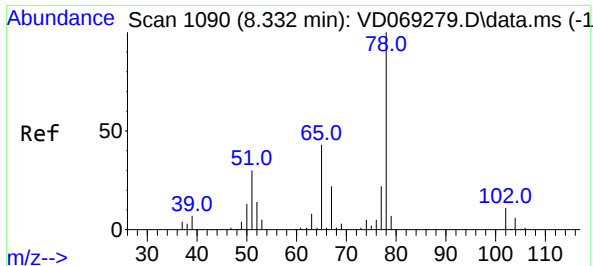
Tgt Ion: 76 Resp: 19124
Ion Ratio Lower Upper
76 100
78 12.4 7.4 11.0#



#25
2-Butanone
Concen: 50.661 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion: 43 Resp: 35873
Ion Ratio Lower Upper
43 100
72 25.3 23.9 35.9

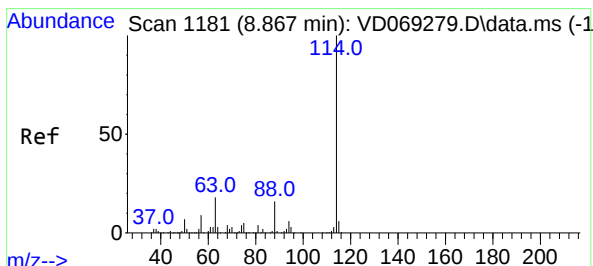
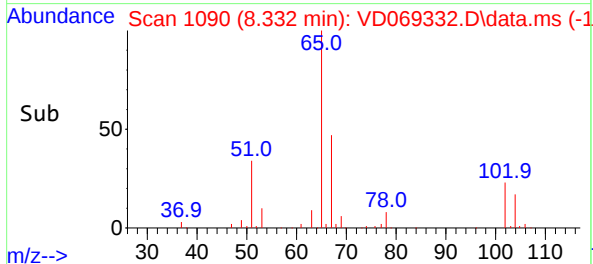
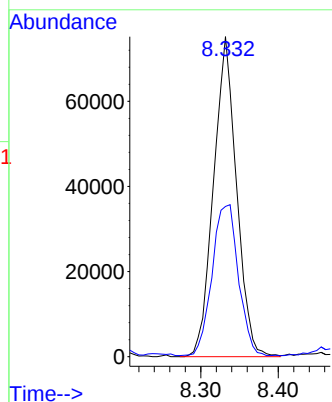
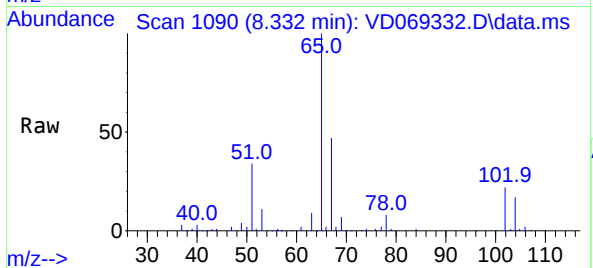




#33
1,2-Dichloroethane-d4
Concen: 50.346 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

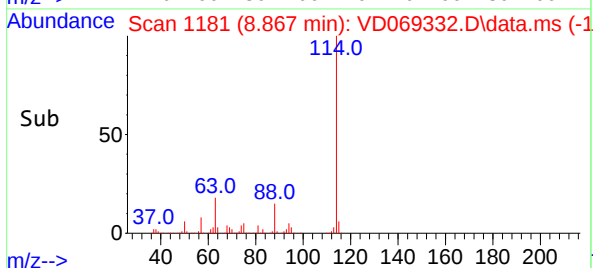
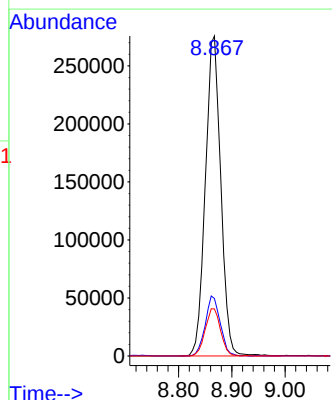
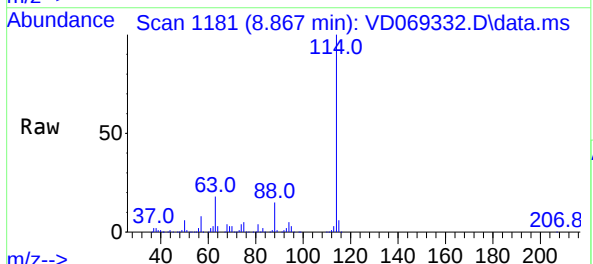
Instrument :
MSVOA_D
ClientSampleId :
39-41S

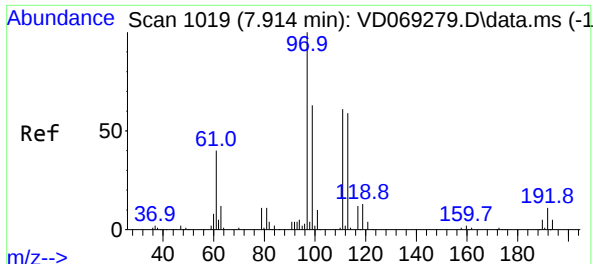
Tgt Ion: 65 Resp: 155247
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion:114 Resp: 554477
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.6
88 14.7 0.0 31.2

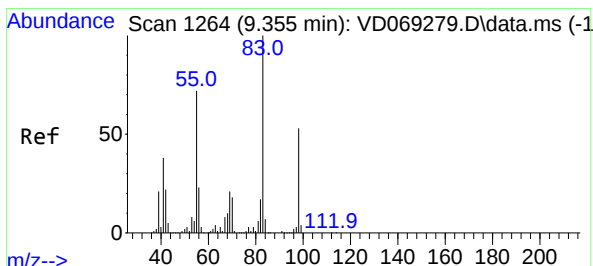
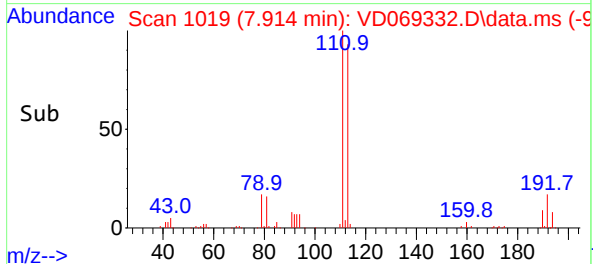
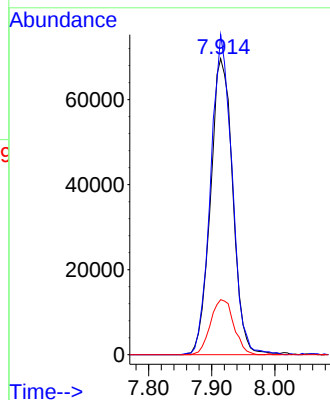
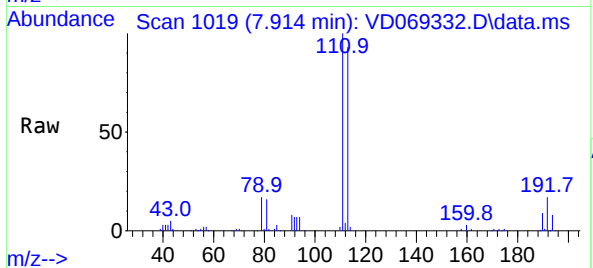




#35
Dibromofluoromethane
Concen: 48.941 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

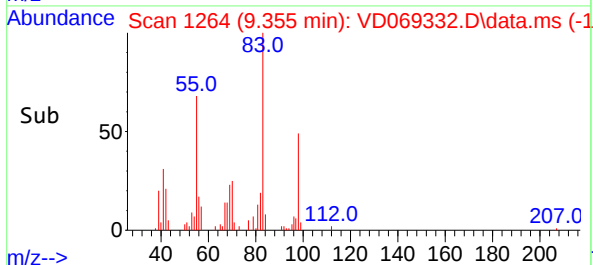
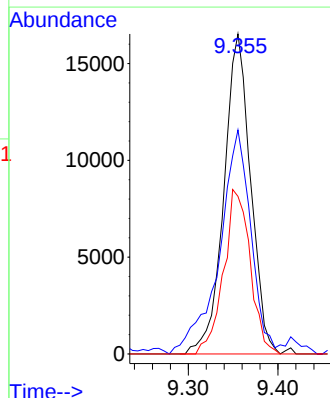
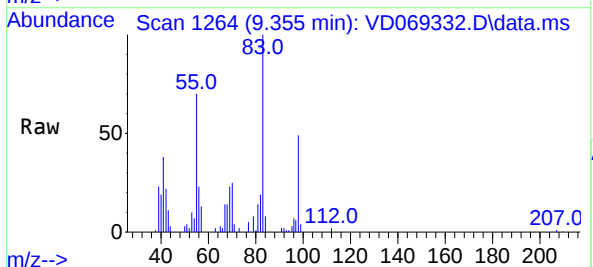
Instrument :
MSVOA_D
ClientSampleId :
39-41S

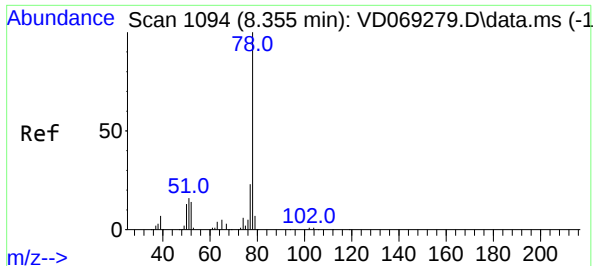
Tgt Ion:113 Resp: 170413
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.6
192 19.5 15.1 22.7



#39
Methylcyclohexane
Concen: 6.194 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion: 83 Resp: 34152
Ion Ratio Lower Upper
83 100
55 67.2 57.4 86.2
98 49.3 42.2 63.2

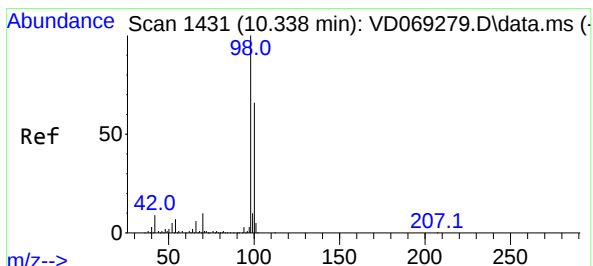
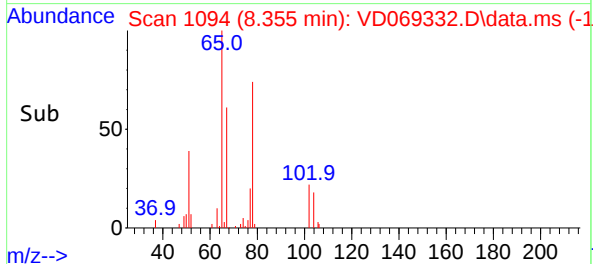
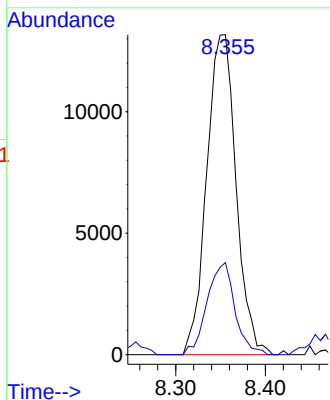
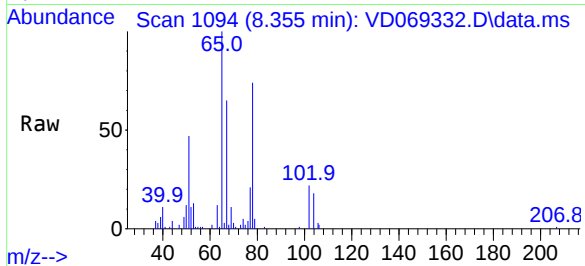




#40
Benzene
Concen: 1.915 ug/l
RT: 8.355 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

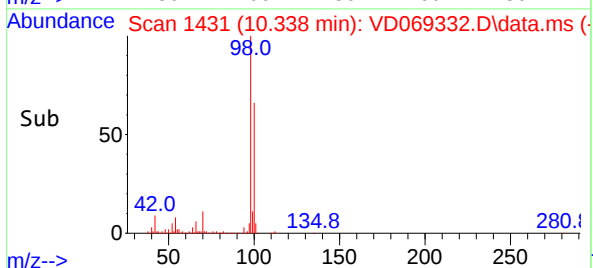
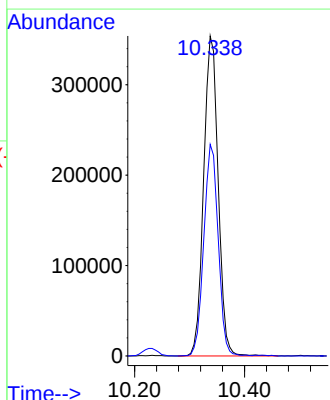
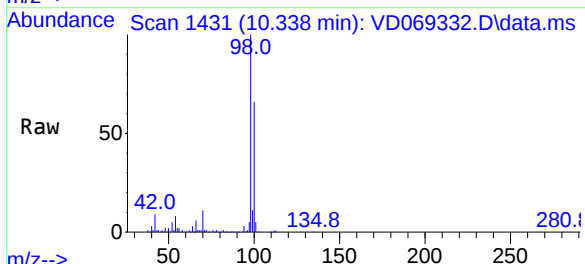
Instrument :
MSVOA_D
ClientSampled :
39-41S

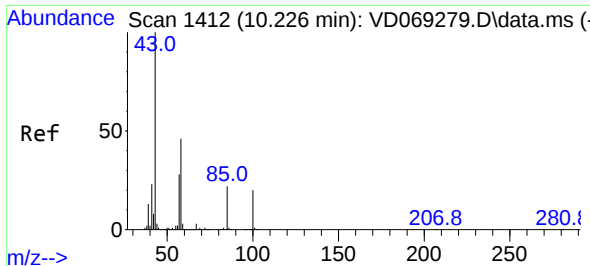
Tgt Ion: 78 Resp: 29974
Ion Ratio Lower Upper
78 100
77 28.8 18.7 28.1#



#50
Toluene-d8
Concen: 51.218 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion: 98 Resp: 648510
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

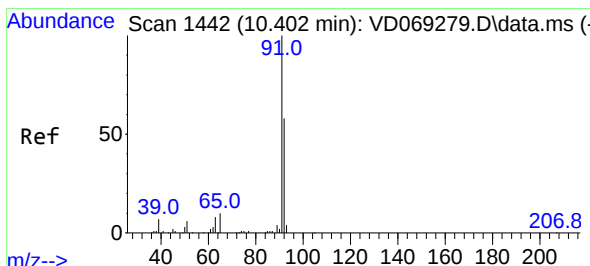
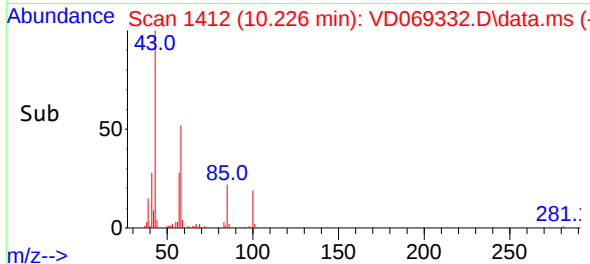
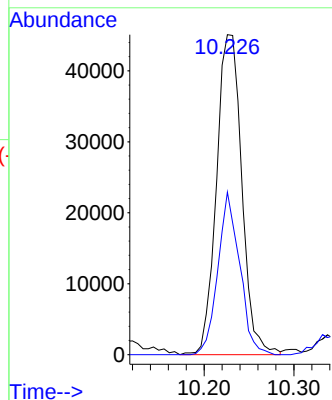
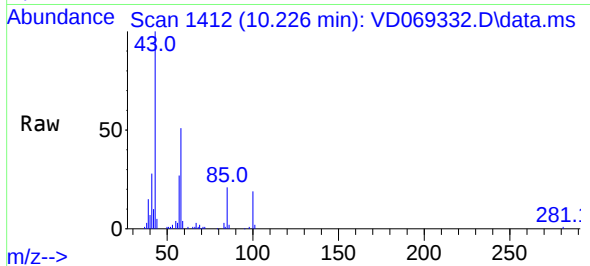




#51
4-Methyl-2-Pentanone
Concen: 51.446 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

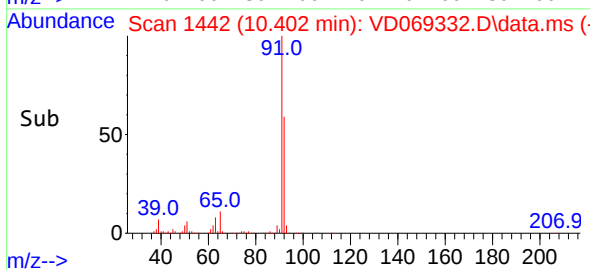
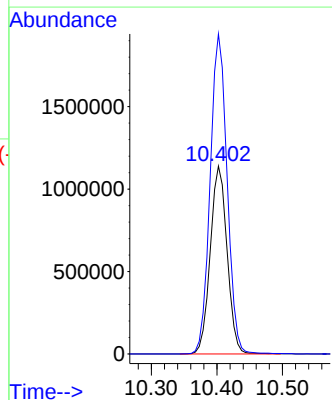
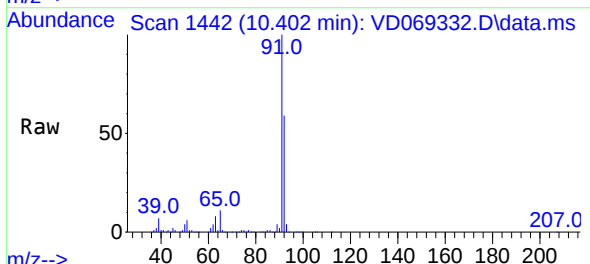
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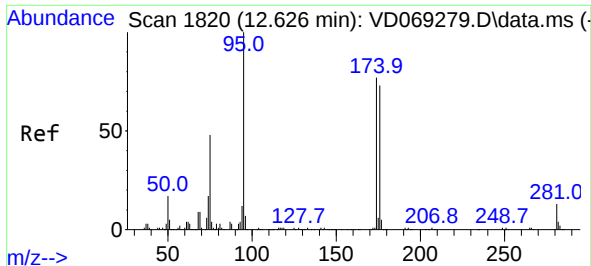
Tgt Ion: 43 Resp: 88497
Ion Ratio Lower Upper
43 100
58 43.6 35.1 52.7



#52
Toluene
Concen: 205.534 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion: 92 Resp: 2030663
Ion Ratio Lower Upper
92 100
91 171.7 138.4 207.6

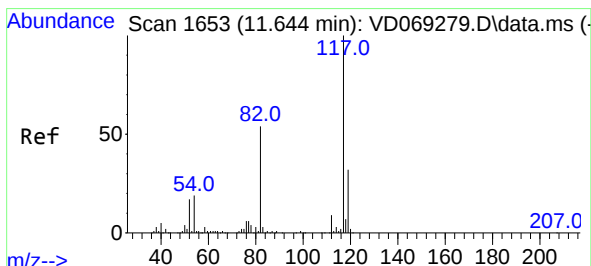
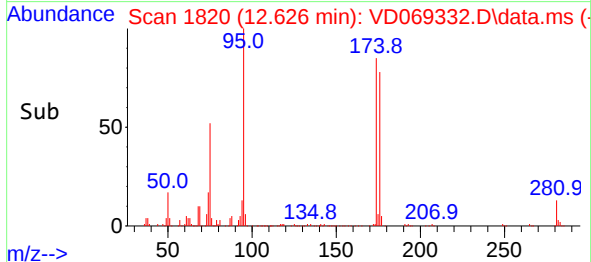
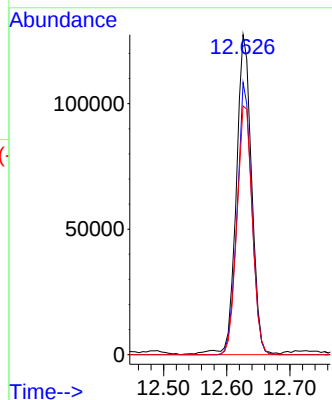
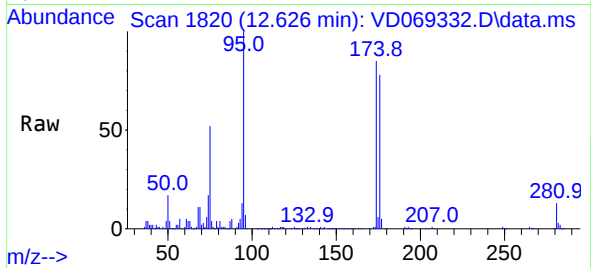




#62
4-Bromofluorobenzene
Concen: 51.893 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

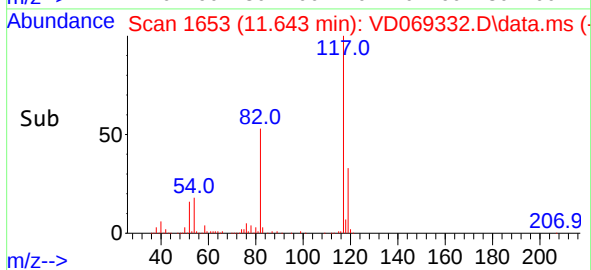
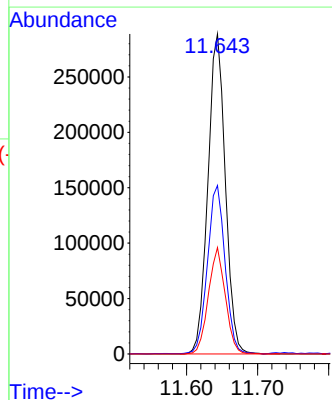
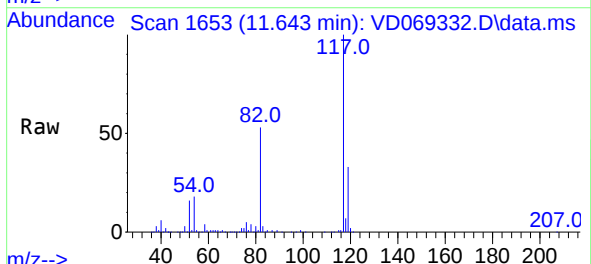
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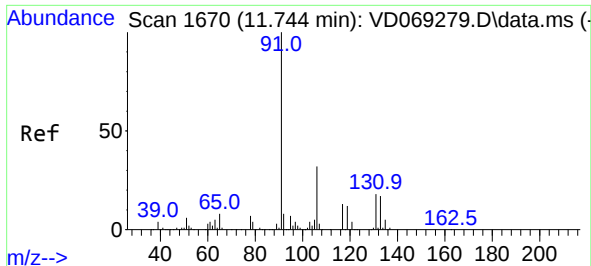
Tgt Ion: 95 Resp: 215299
Ion Ratio Lower Upper
95 100
174 81.0 0.0 162.8
176 77.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion: 117 Resp: 492737
Ion Ratio Lower Upper
117 100
82 52.5 43.3 64.9
119 33.2 25.3 37.9

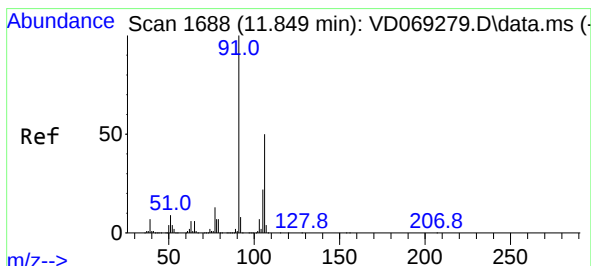
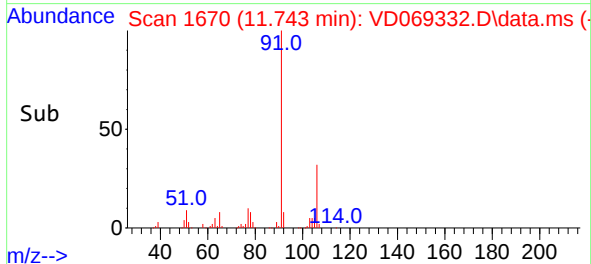
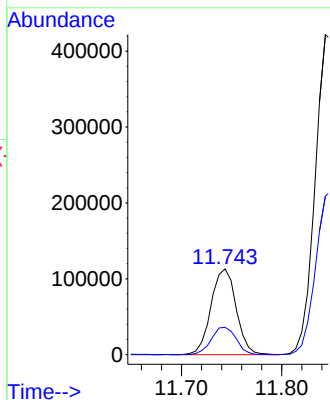
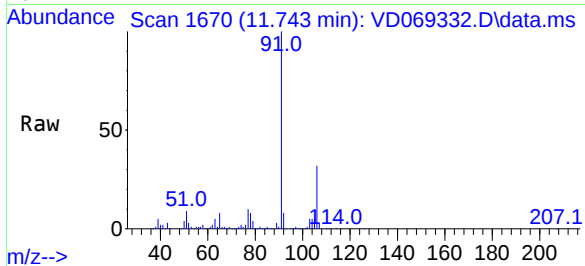




#67
Ethyl Benzene
Concen: 11.392 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

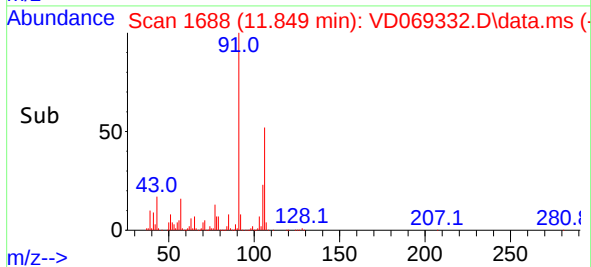
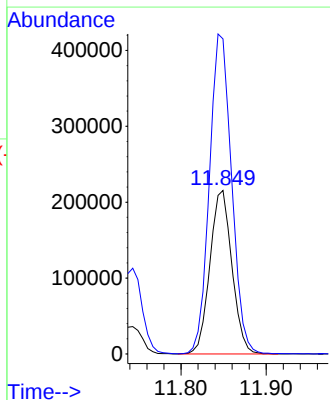
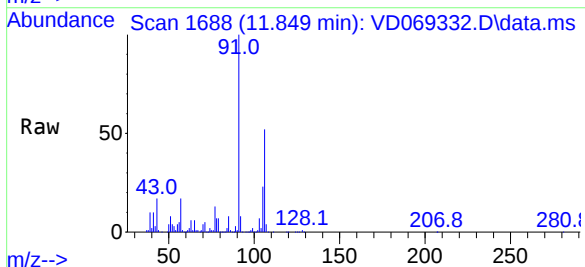
Instrument :
MSVOA_D
ClientSampleId :
39-41S

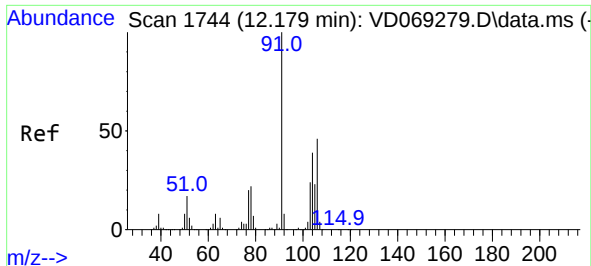
Tgt Ion: 91 Resp: 197076
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 57.157 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion:106 Resp: 387457
Ion Ratio Lower Upper
106 100
91 197.2 158.3 237.5

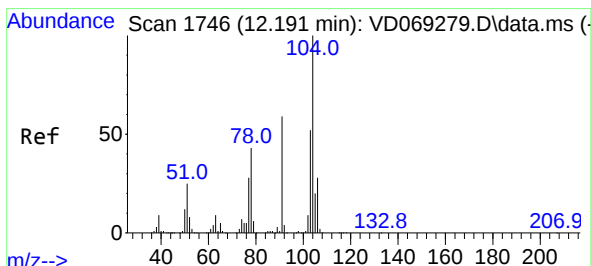
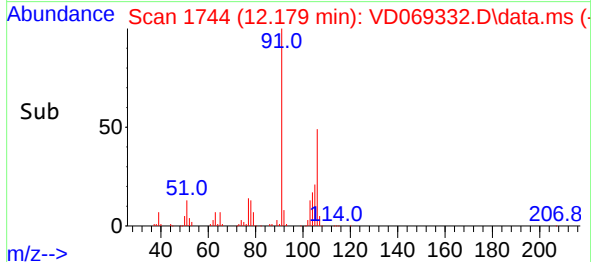
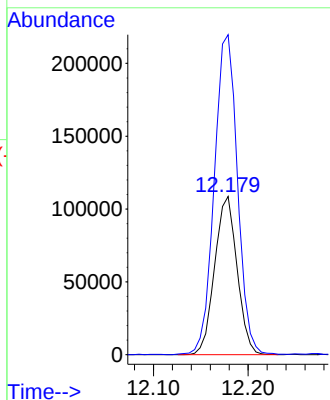
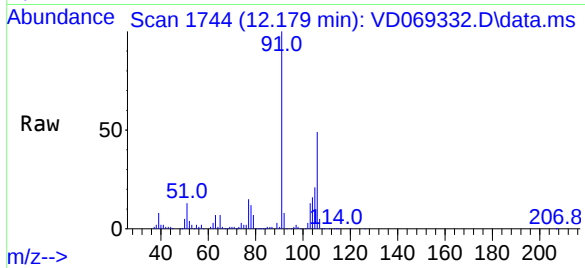




#69
o-Xylene
Concen: 29.820 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

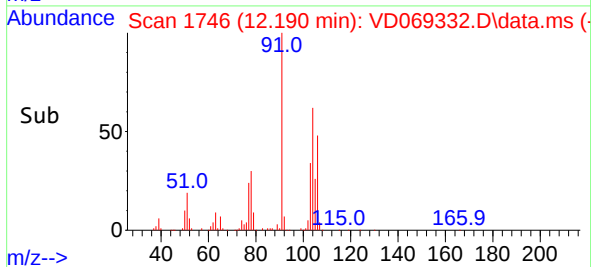
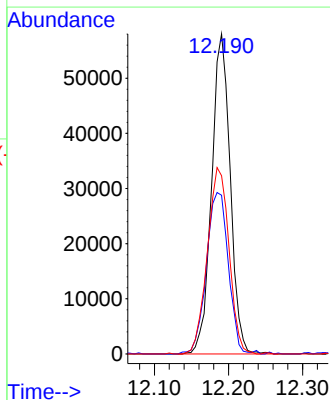
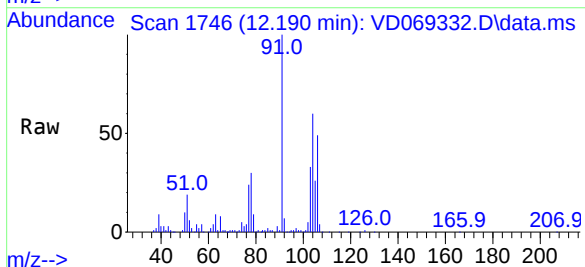
Instrument :
MSVOA_D
ClientSampleId :
39-41S

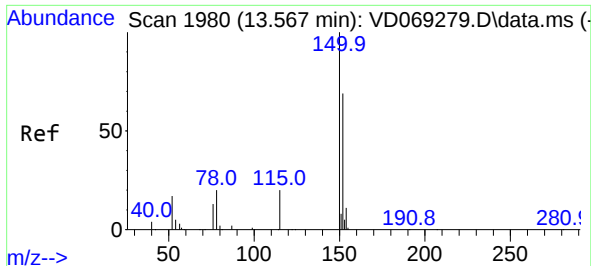
Tgt Ion:106 Resp: 178782
Ion Ratio Lower Upper
106 100
91 209.3 105.5 316.4



#70
Styrene
Concen: 9.721 ug/l
RT: 12.190 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion:104 Resp: 101172
Ion Ratio Lower Upper
104 100
78 59.8 37.5 56.3#
103 67.7 44.3 66.5#

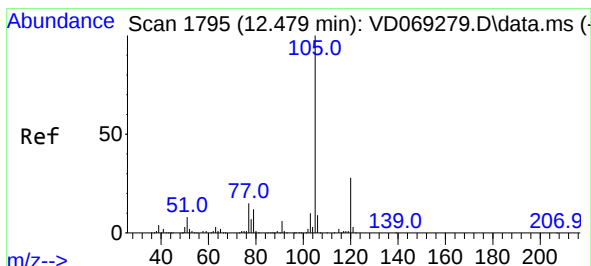
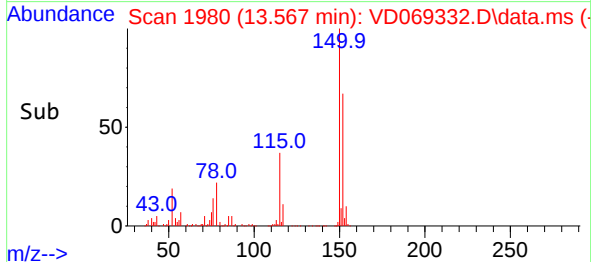
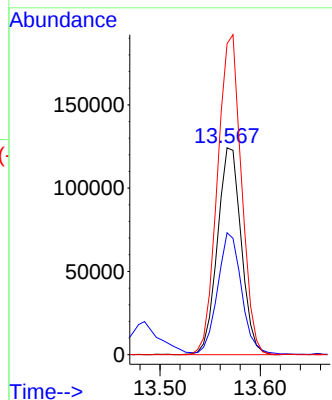
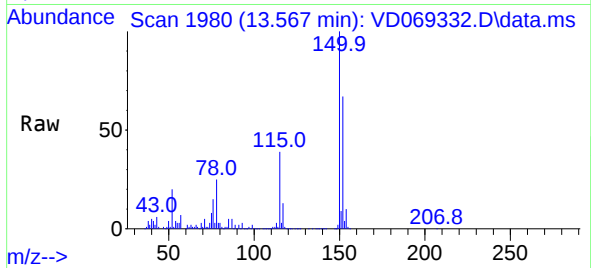




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

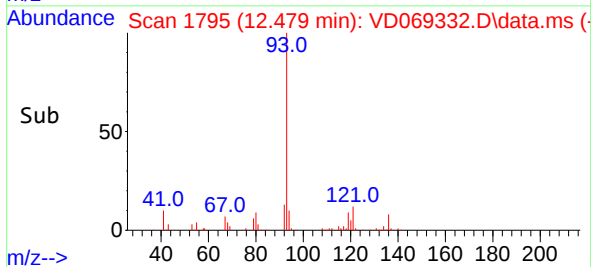
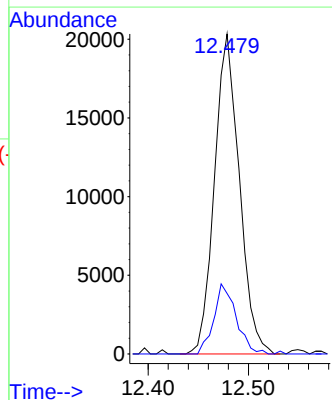
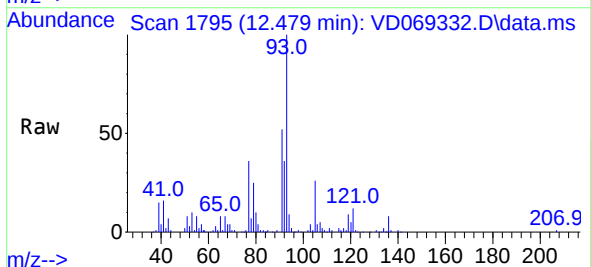
Instrument :
MSVOA_D
ClientSampleId :
39-41S

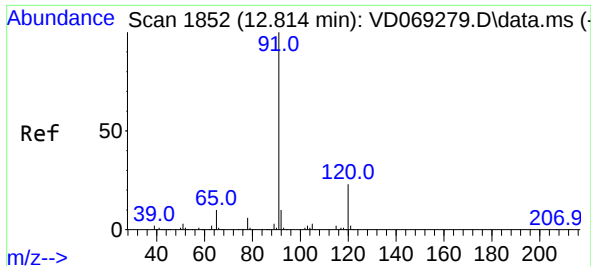
Tgt Ion:152 Resp: 204955
Ion Ratio Lower Upper
152 100
115 58.9 29.4 88.3
150 155.6 0.0 355.0



#73
Isopropylbenzene
Concen: 2.493 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

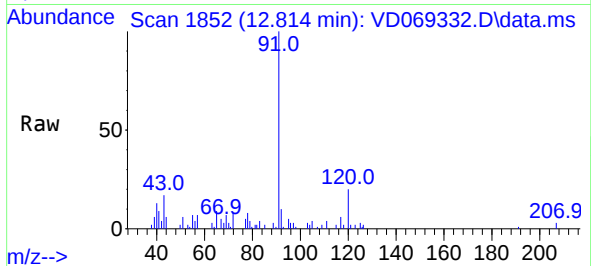
Tgt Ion:105 Resp: 34972
Ion Ratio Lower Upper
105 100
120 19.7 13.5 40.5



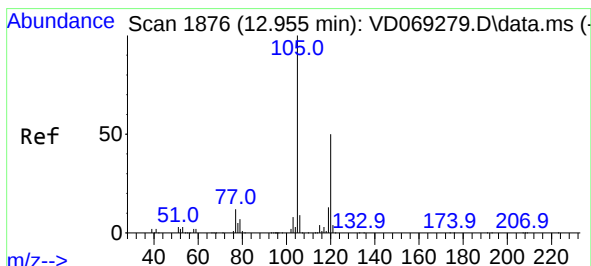
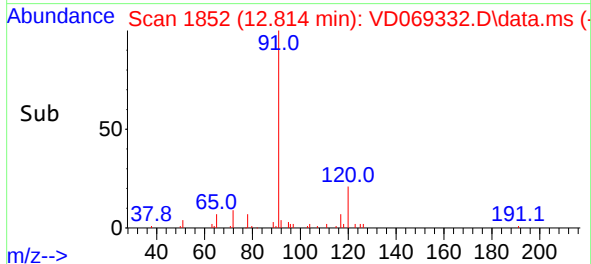
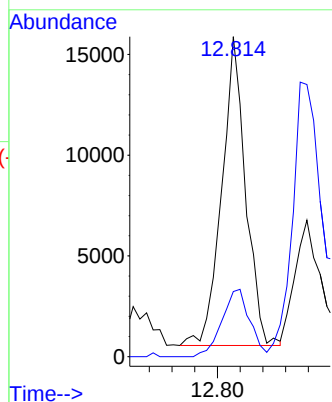


#78
n-propylbenzene
Concen: 1.303 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Instrument :
MSVOA_D
ClientSampleId :
39-41S

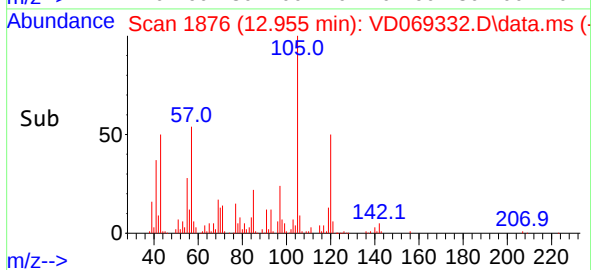
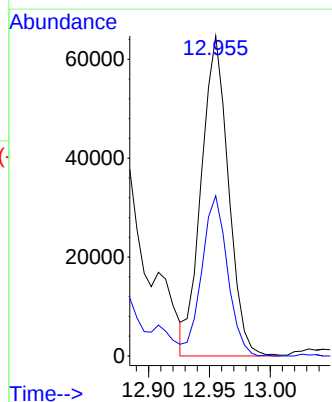
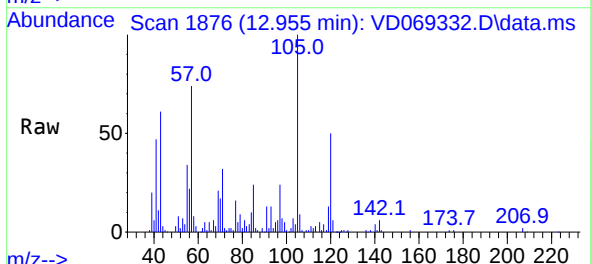


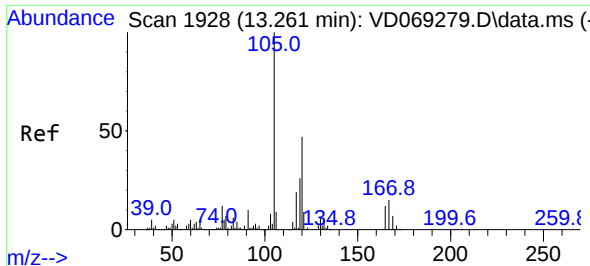
Tgt Ion: 91 Resp: 22407
Ion Ratio Lower Upper
91 100
120 25.4 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 8.435 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion:105 Resp: 100198
Ion Ratio Lower Upper
105 100
120 47.5 24.9 74.7

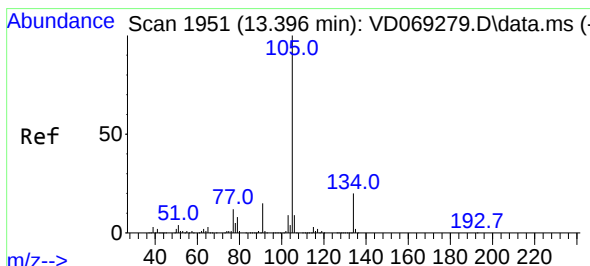
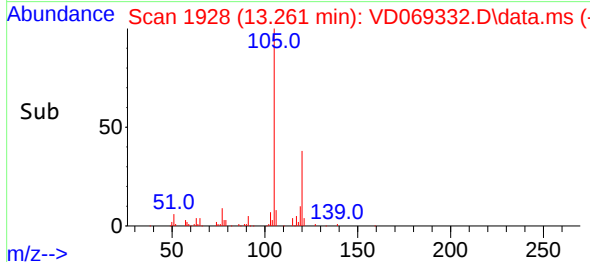
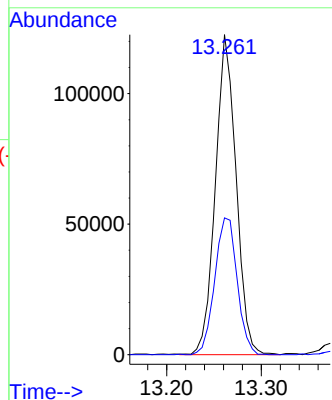
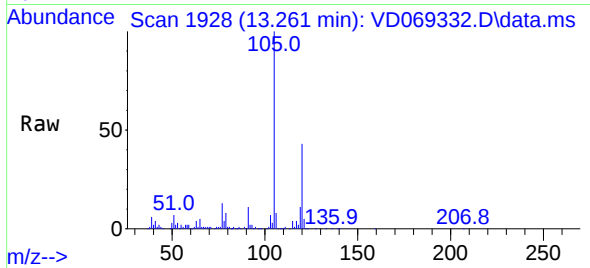




#84
1,2,4-Trimethylbenzene
Concen: 15.758 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

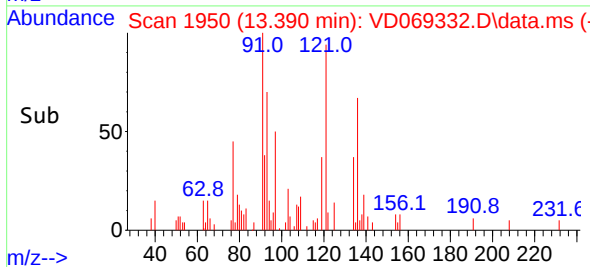
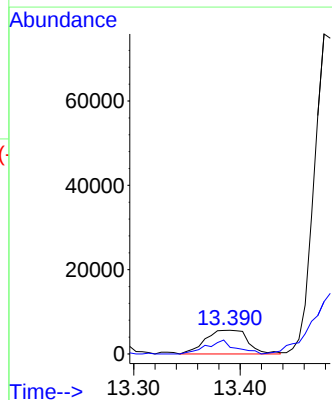
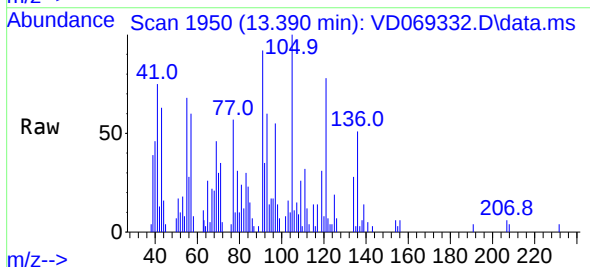
Instrument :
MSVOA_D
ClientSampleId :
39-41S

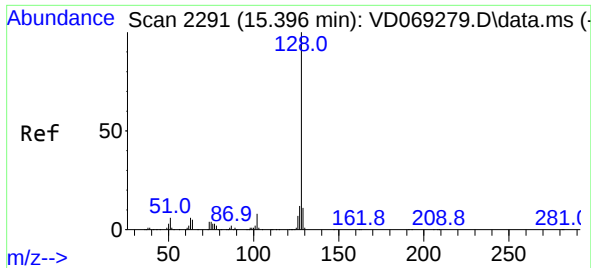
Tgt Ion:105 Resp: 186168
Ion Ratio Lower Upper
105 100
120 46.3 22.6 67.8



#85
sec-Butylbenzene
Concen: 1.071 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.006 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Tgt Ion:105 Resp: 15730
Ion Ratio Lower Upper
105 100
134 39.1 10.1 30.3#





#95
Naphthalene
Concen: 6.143 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.012 min
Lab File: VD069332.D
Acq: 03 Jun 2021 18:35

Instrument :
MSVOA_D
ClientSampleId :
39-41S

Tgt Ion:128 Resp: 21278
Ion Ratio Lower Upper
128 100
127 30.0 10.4 15.6#
129 12.1 8.8 13.2

