

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069325.D
 Acq On : 03 Jun 2021 15:18
 Operator : VA/SY
 Sample : M2580-03
 Misc : 3.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 18-B1(4-6)

Quant Time: Jun 04 09:35:18 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)

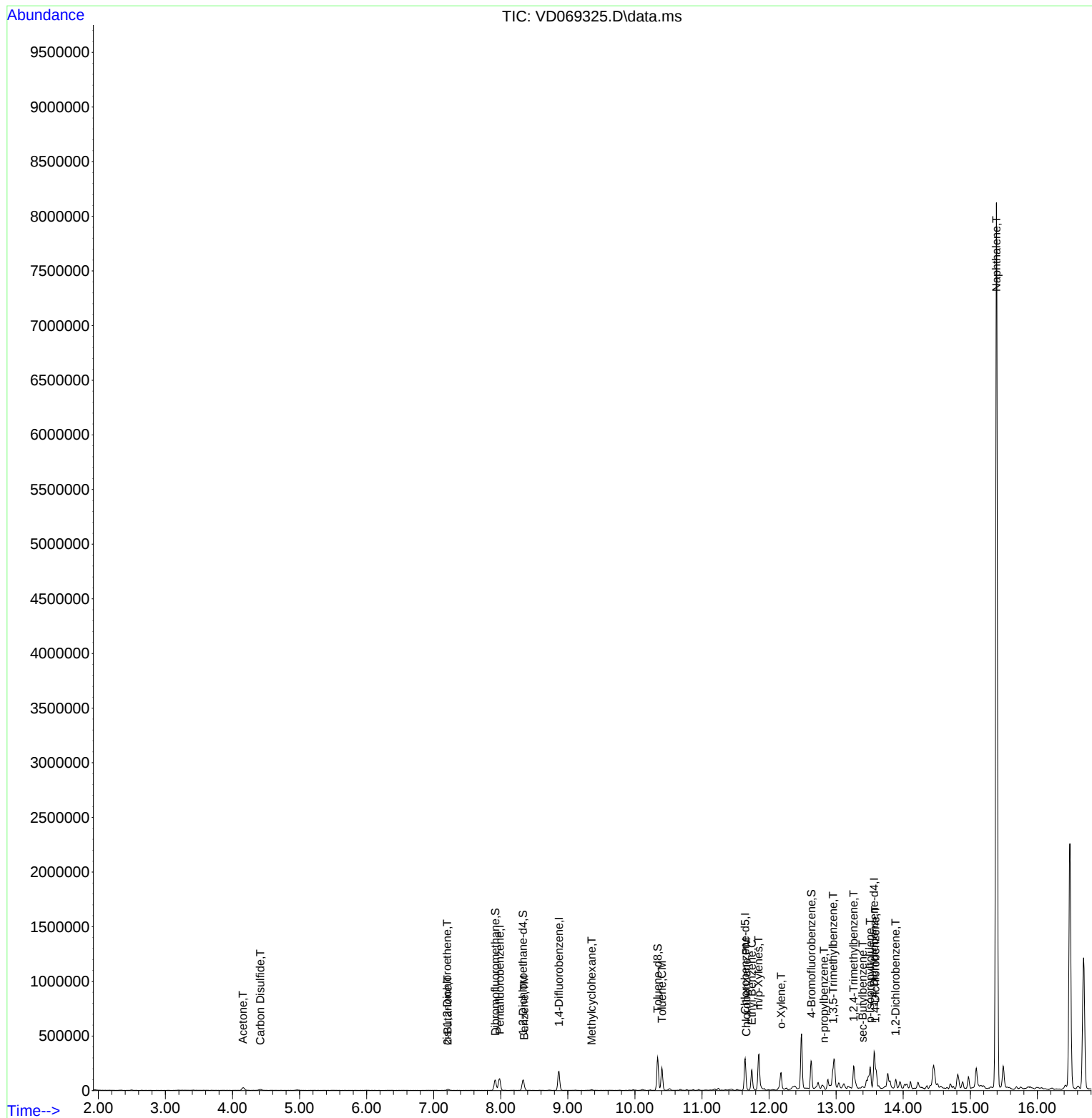
Internal Standards						
1) Pentafluorobenzene	7.985	168	81562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	156439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	175707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	94347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	73125	93.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 186.880%#			
35) Dibromofluoromethane	7.920	113	67179	68.383	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.760%			
50) Toluene-d8	10.338	98	207511	58.088	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.180%			
62) 4-Bromofluorobenzene	12.632	95	85312	72.881	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 145.760%#			
Target Compounds					Qvalue	
16) Acetone	4.156	43	42816	313.508	ug/l	96
17) Carbon Disulfide	4.414	76	17862	6.603	ug/l	100
25) 2-Butanone	7.208	43	10648	59.251	ug/l #	68
27) cis-1,2-Dichloroethene	7.202	96	1686	1.643	ug/l	59
39) Methylcyclohexane	9.355	83	2521	1.621	ug/l	91
40) Benzene	8.349	78	10687	2.420	ug/l	98
52) Toluene	10.402	92	90591	32.499	ug/l	96
65) Chlorobenzene	11.661	112	3973	1.106	ug/l #	84
67) Ethyl Benzene	11.743	91	132490	21.477	ug/l	99
68) m/p-Xylenes	11.843	106	102594	42.442	ug/l	96
69) o-Xylene	12.179	106	43267	20.238	ug/l	98
78) n-propylbenzene	12.820	91	17633	2.227	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	54590	9.983	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	116152	21.357	ug/l	97
85) sec-Butylbenzene	13.396	105	7197	1.065	ug/l	85
86) p-Isopropyltoluene	13.508	119	109086	18.457	ug/l	97
88) 1,4-Dichlorobenzene	13.584	146	13068	4.167	ug/l #	79
91) 1,2-Dichlorobenzene	13.884	146	6013	2.217	ug/l #	81
95) Naphthalene	15.390	128	7224713	2099.086	ug/l	99

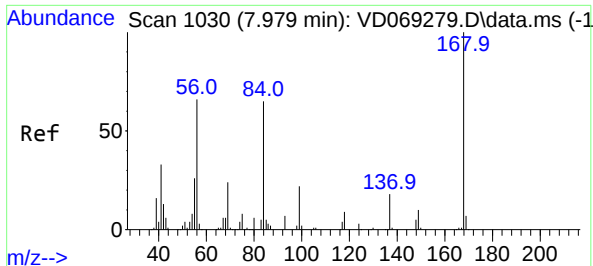
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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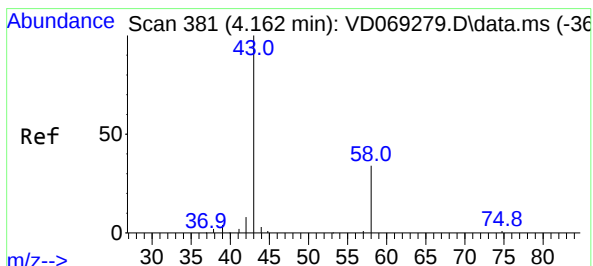
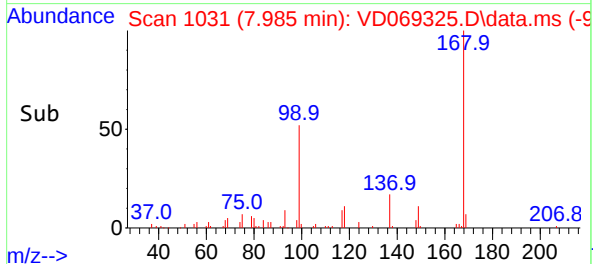
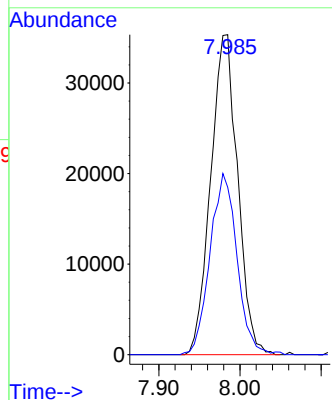
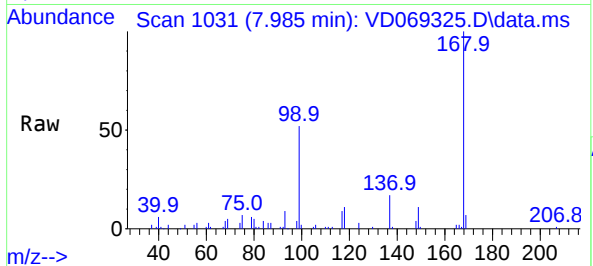




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

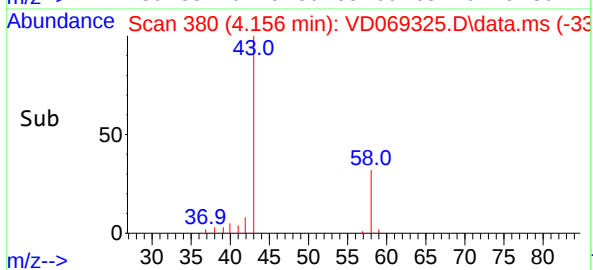
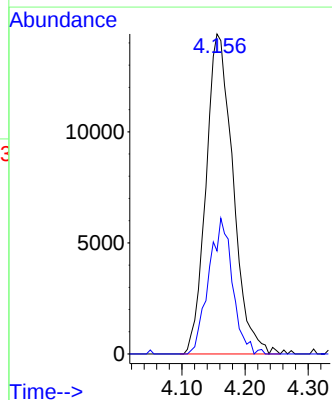
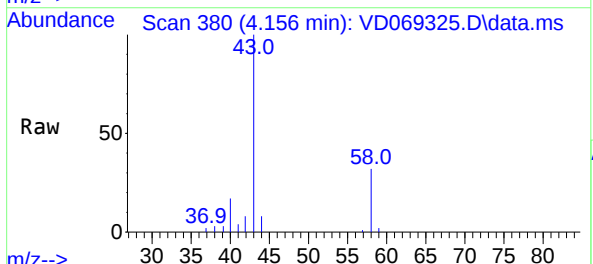
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

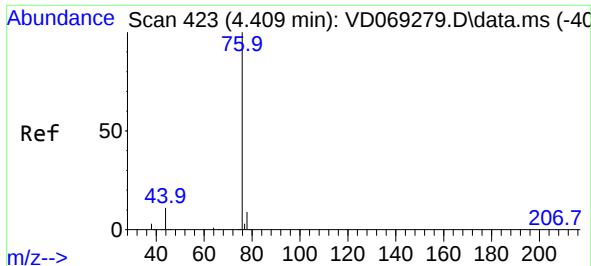
Tgt Ion:168 Resp: 81562
Ion Ratio Lower Upper
168 100
99 52.3 46.2 69.2



#16
Acetone
Concen: 313.508 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion: 43 Resp: 42816
Ion Ratio Lower Upper
43 100
58 32.2 27.5 41.3

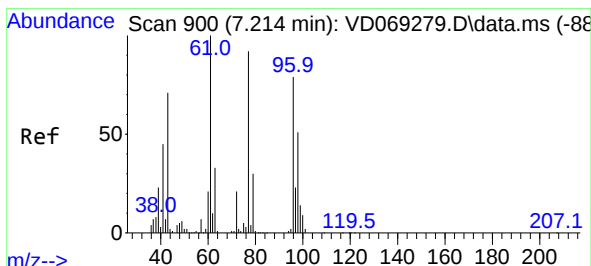
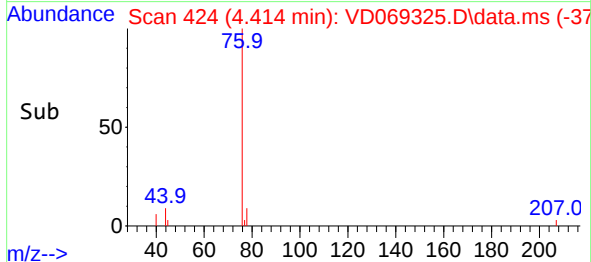
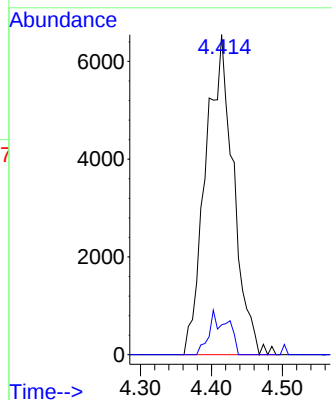
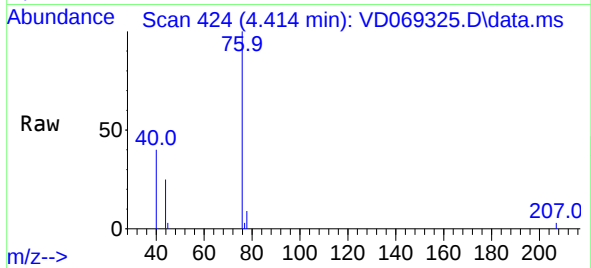




#17
Carbon Disulfide
Concen: 6.603 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

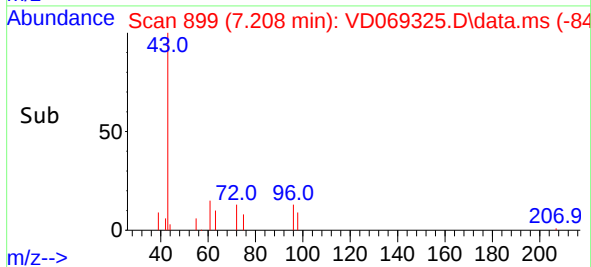
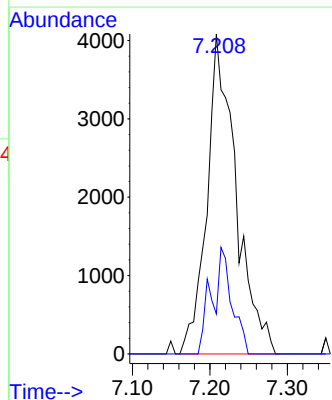
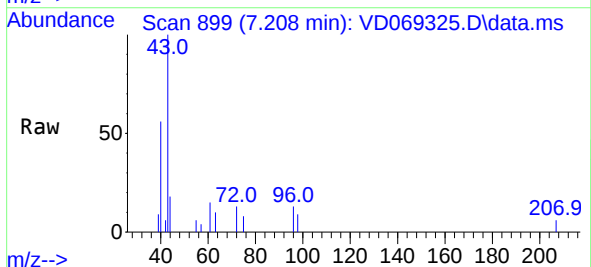
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

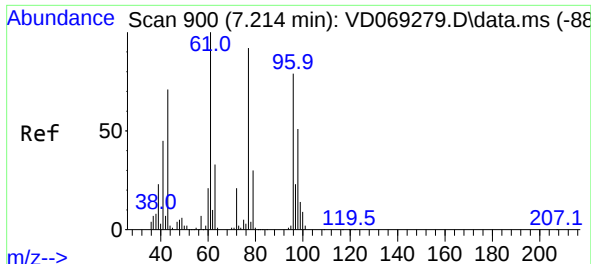
Tgt Ion: 76 Resp: 17862
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#25
2-Butanone
Concen: 59.251 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

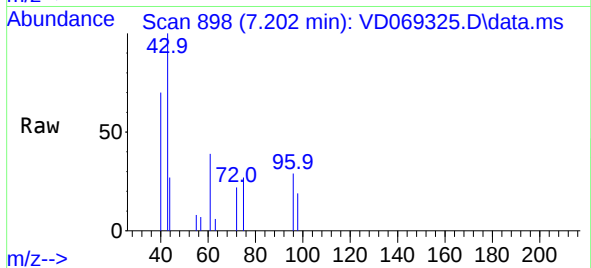
Tgt Ion: 43 Resp: 10648
Ion Ratio Lower Upper
43 100
72 12.5 23.9 35.9#



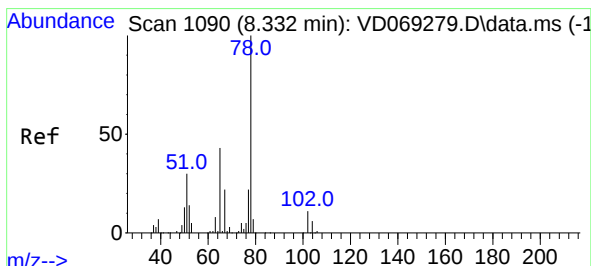
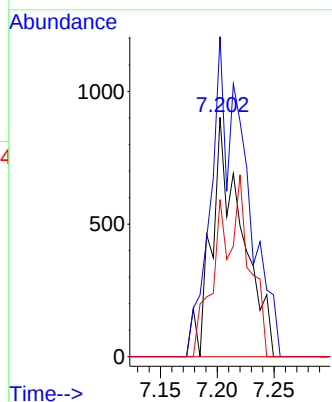
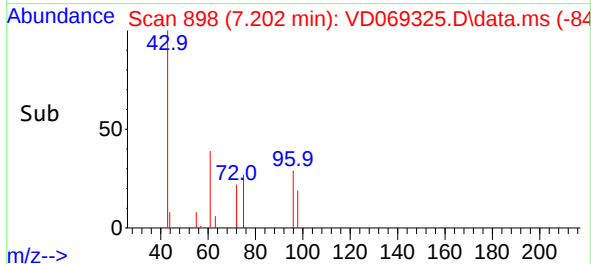


#27
cis-1,2-Dichloroethene
Concen: 1.643 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

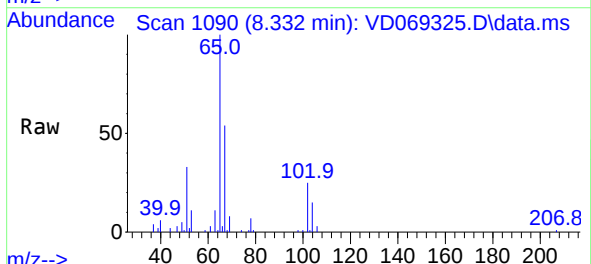
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)



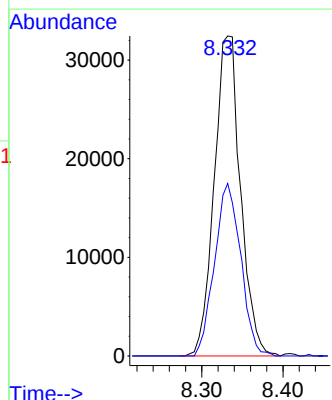
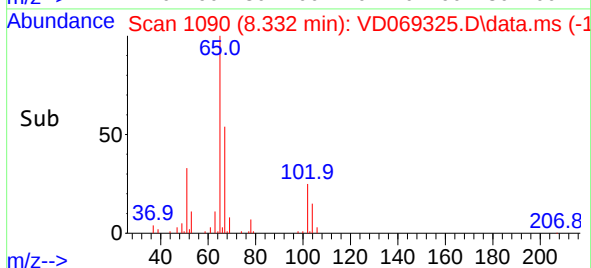
Tgt Ion: 96 Resp: 1686
Ion Ratio Lower Upper
96 100
61 70.5 0.0 265.6
98 76.7 0.0 129.0

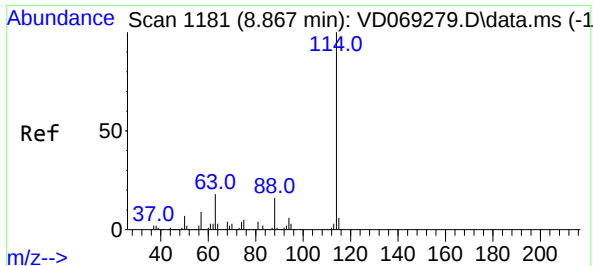


#33
1,2-Dichloroethane-d4
Concen: 93.438 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18



Tgt Ion: 65 Resp: 73125
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8



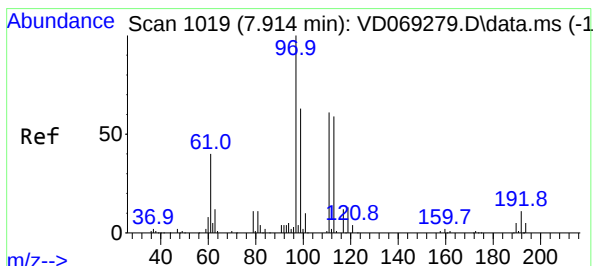
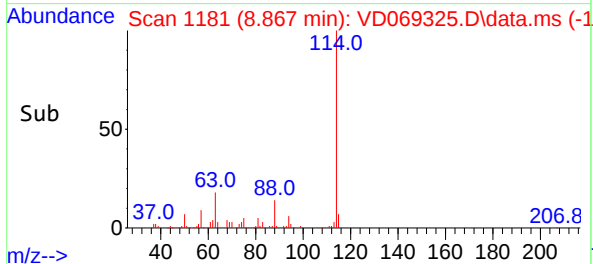
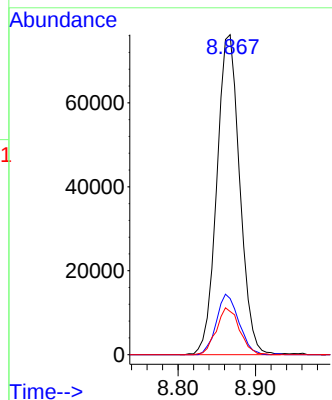
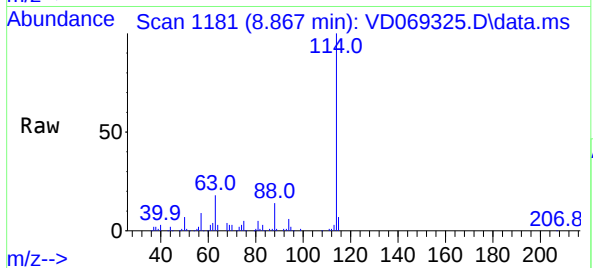


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

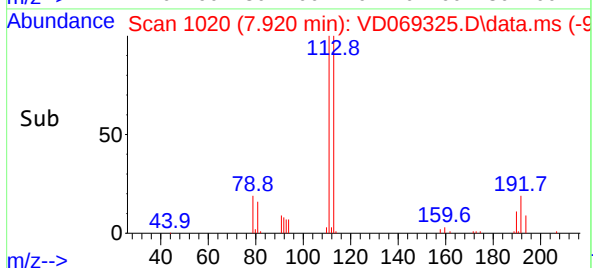
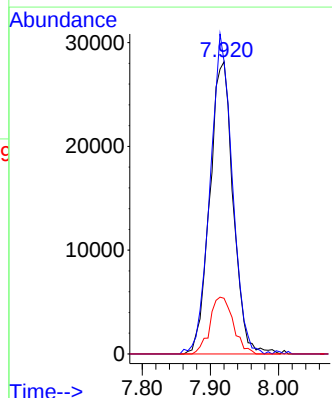
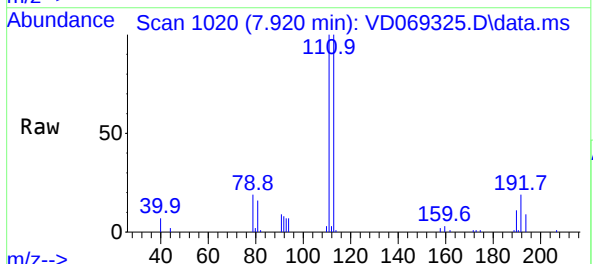
Tgt Ion:	114	Resp:	156439
Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.6
88	13.5	0.0	31.2

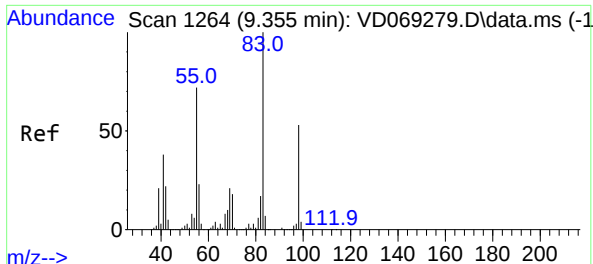


#35

Dibromofluoromethane
Concen: 68.383 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion:	113	Resp:	67179
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.0	124.6
192	19.3	15.1	22.7

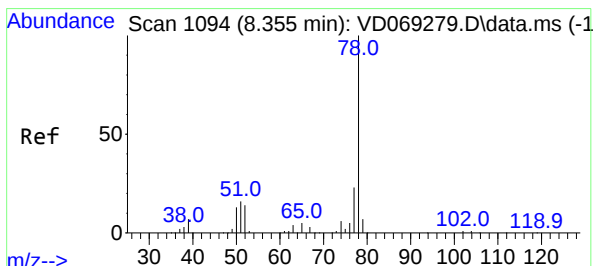
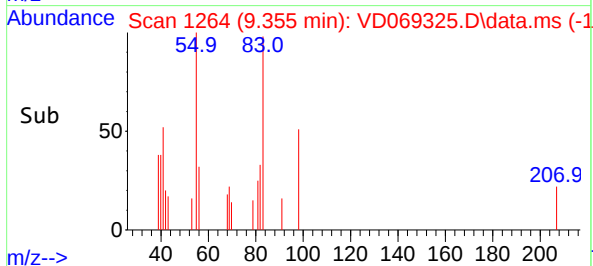
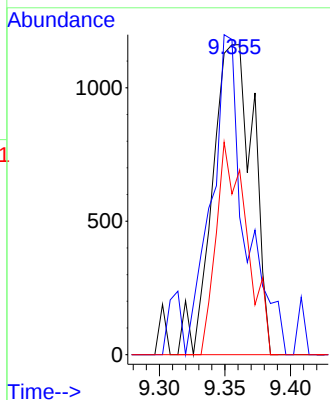
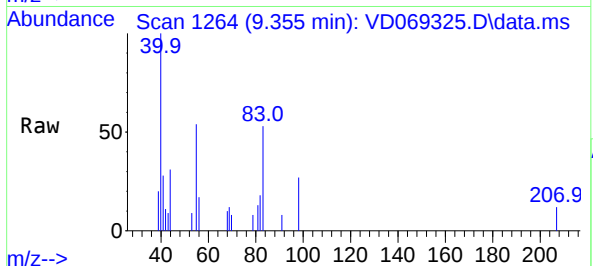




#39
Methylcyclohexane
Concen: 1.621 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

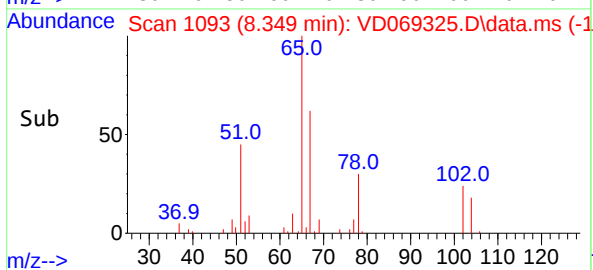
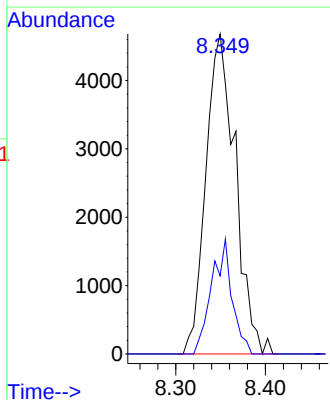
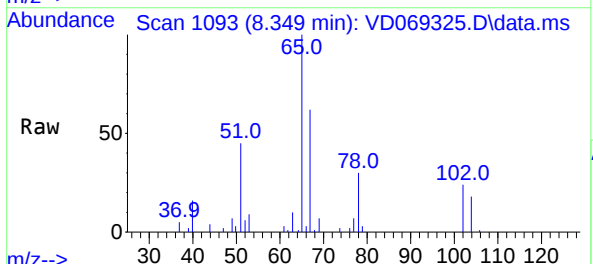
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

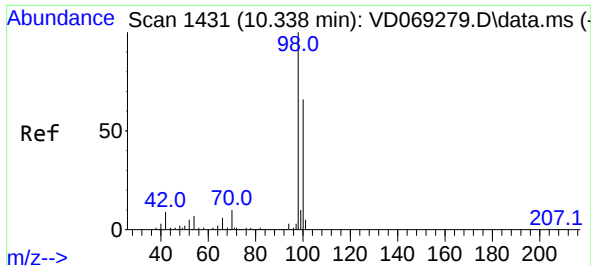
Tgt Ion:	83	Resp:	2521
Ion	Ratio	Lower	Upper
83	100		
55	84.5	57.4	86.2
98	51.9	42.2	63.2



#40
Benzene
Concen: 2.420 ug/l
RT: 8.349 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion:	78	Resp:	10687
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.7	28.1

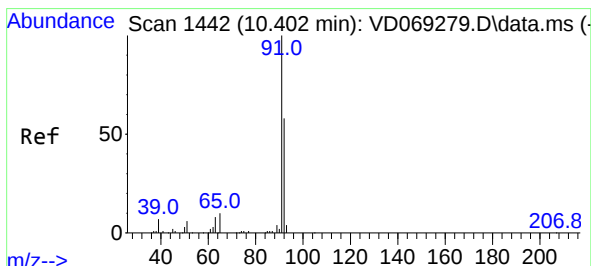
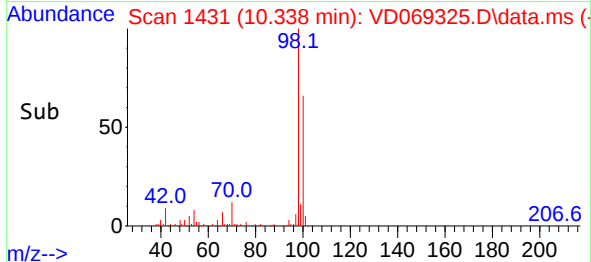
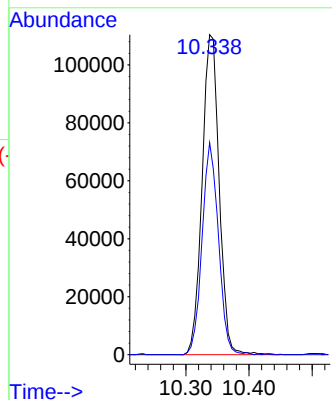
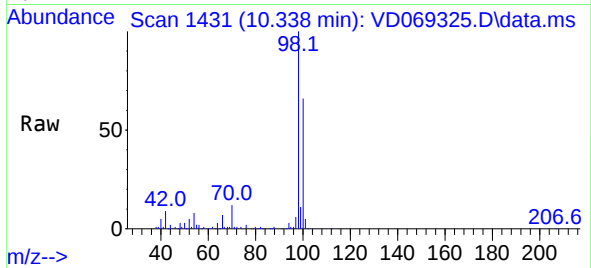




#50
Toluene-d8
Concen: 58.088 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

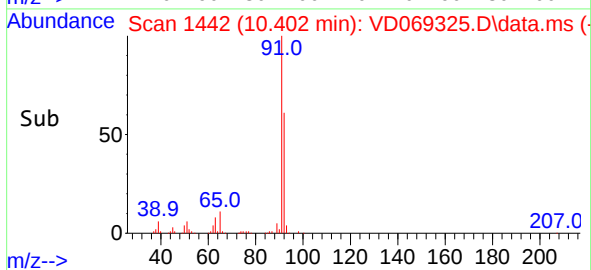
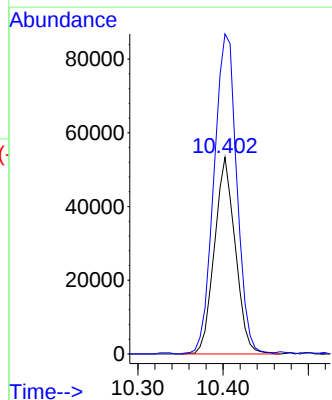
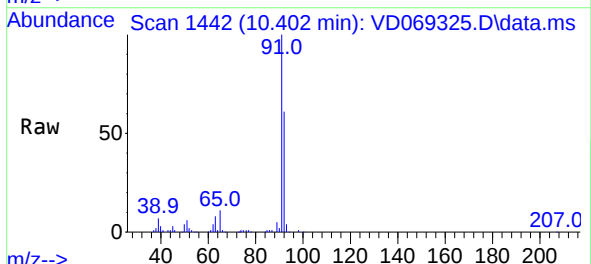
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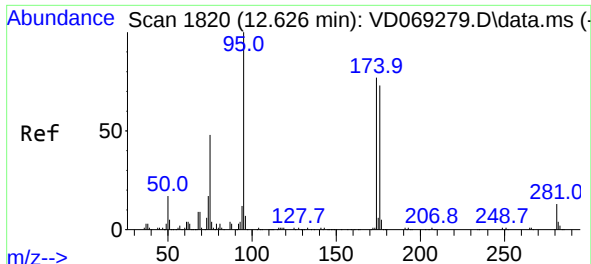
Tgt Ion: 98 Resp: 207511
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#52
Toluene
Concen: 32.499 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion: 92 Resp: 90591
Ion Ratio Lower Upper
92 100
91 179.1 138.4 207.6



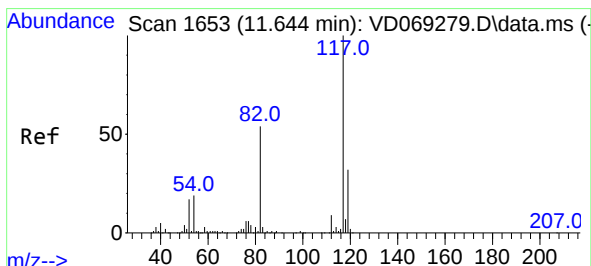
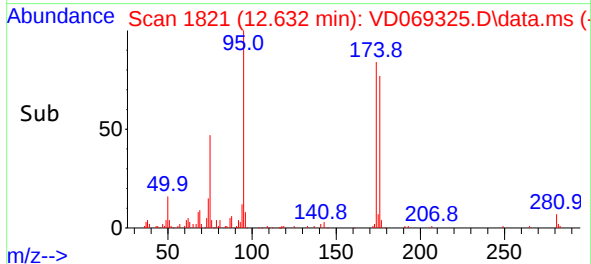
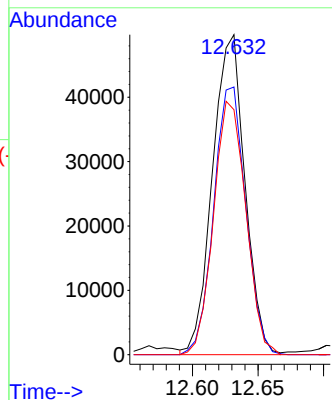
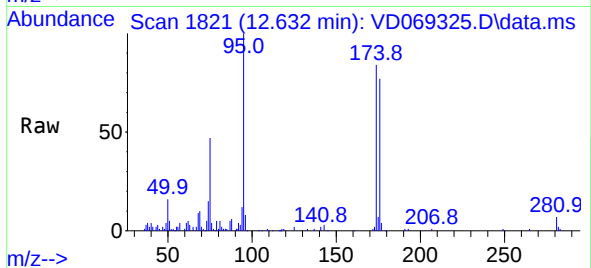


#62
4-Bromofluorobenzene
Concen: 72.881 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

Tgt Ion: 95 Resp: 85312

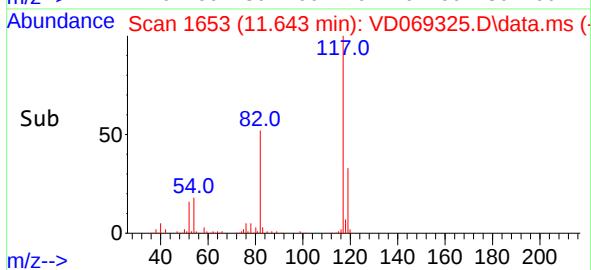
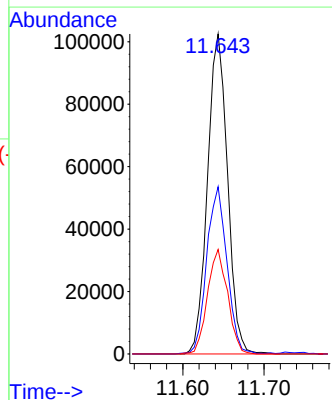
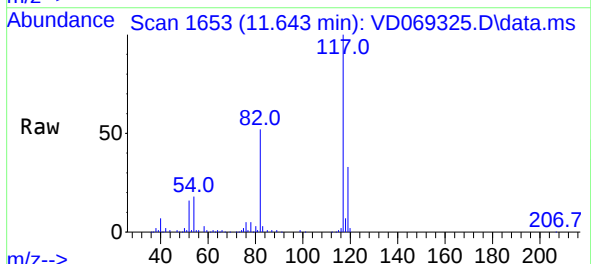
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	162.8
176	79.0	0.0	154.4

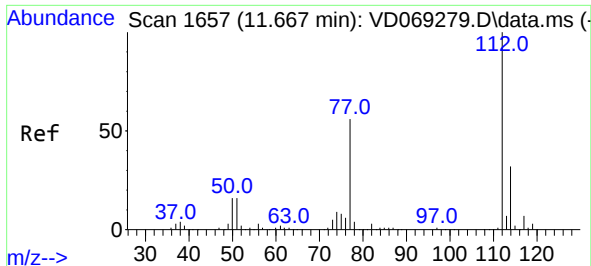


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion: 117 Resp: 175707

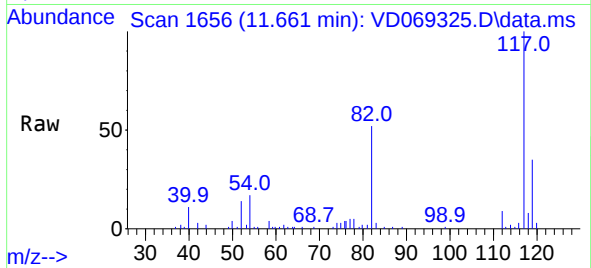
Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.3	64.9
119	32.7	25.3	37.9



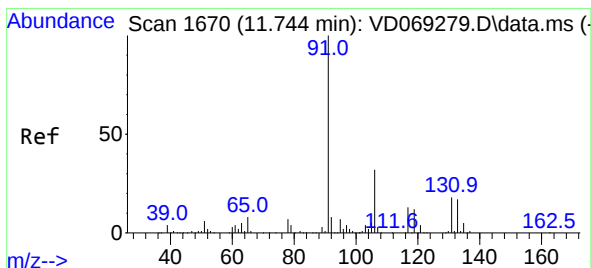
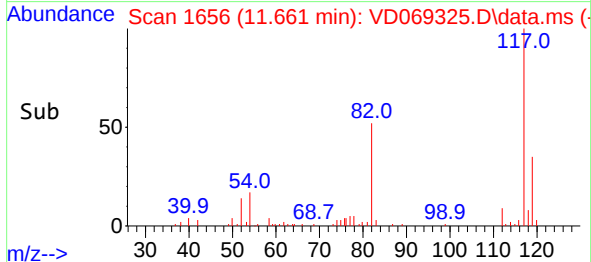
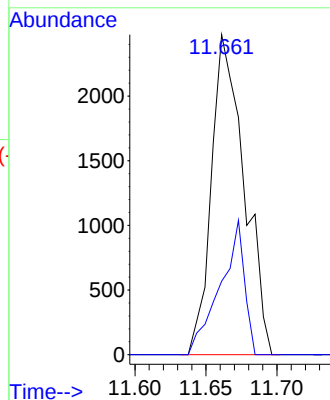


#65
Chlorobenzene
Concen: 1.106 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

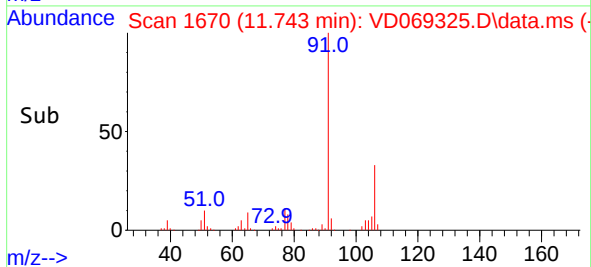
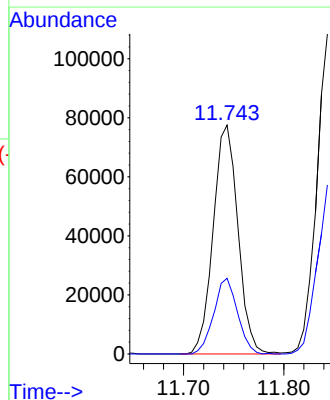
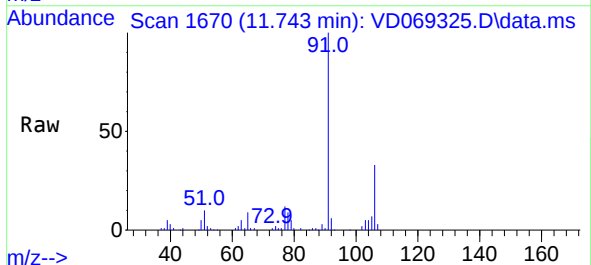


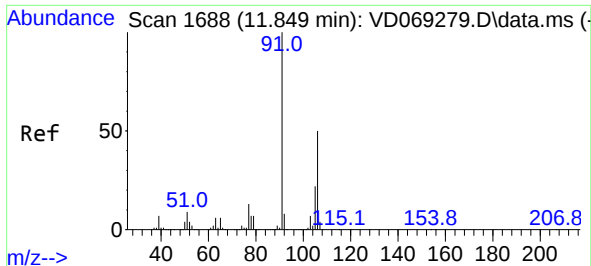
Tgt Ion:112 Resp: 3973
Ion Ratio Lower Upper
112 100
114 22.9 25.6 38.4#



#67
Ethyl Benzene
Concen: 21.477 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion: 91 Resp: 132490
Ion Ratio Lower Upper
91 100
106 33.1 25.9 38.9

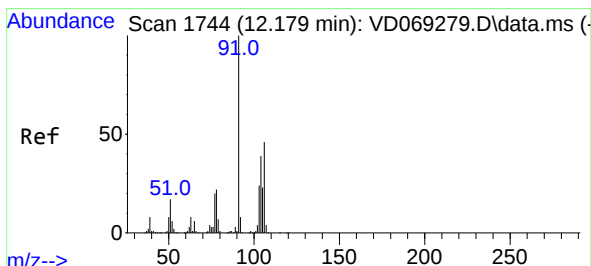
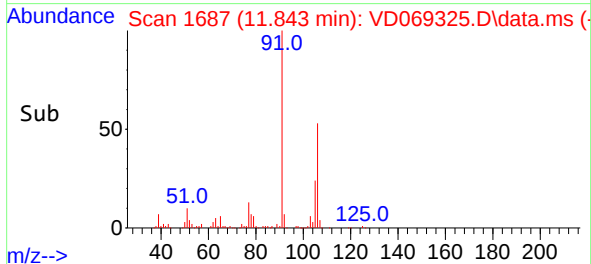
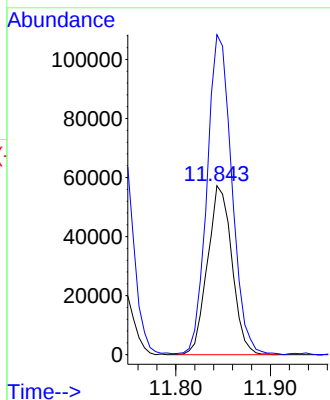
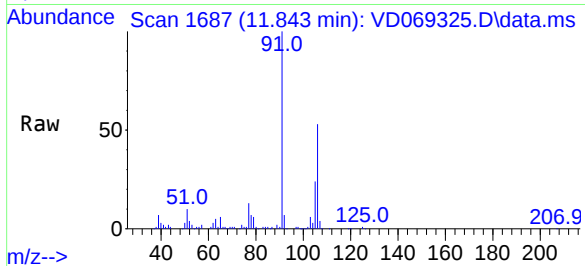




#68
m/p-Xylenes
Concen: 42.442 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

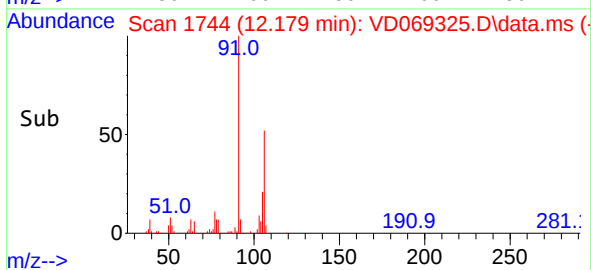
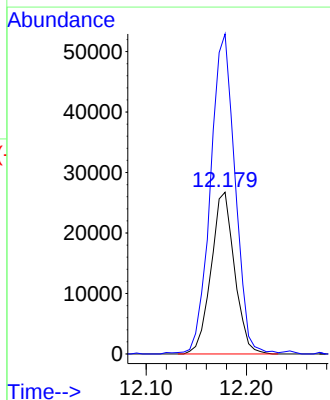
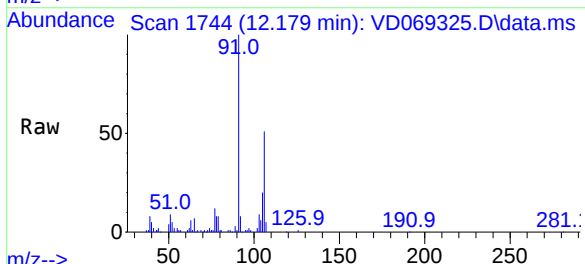
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

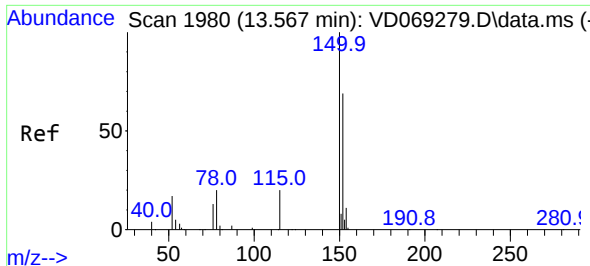
Tgt Ion:106 Resp: 102594
Ion Ratio Lower Upper
106 100
91 192.5 158.3 237.5



#69
o-Xylene
Concen: 20.238 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion:106 Resp: 43267
Ion Ratio Lower Upper
106 100
91 208.4 105.5 316.4

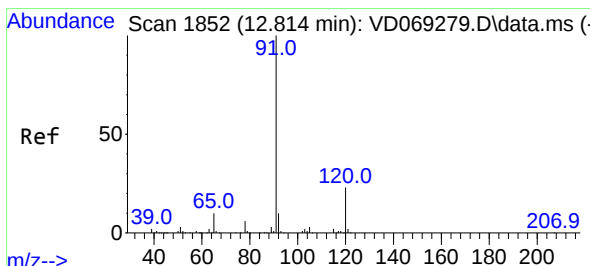
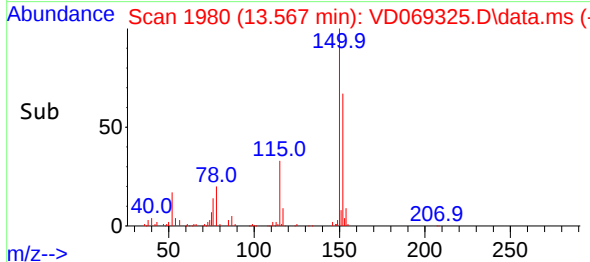
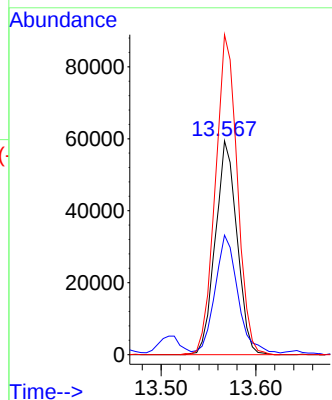
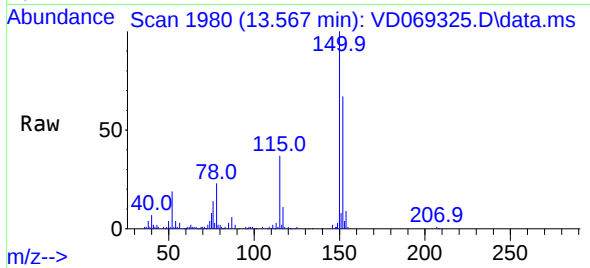




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

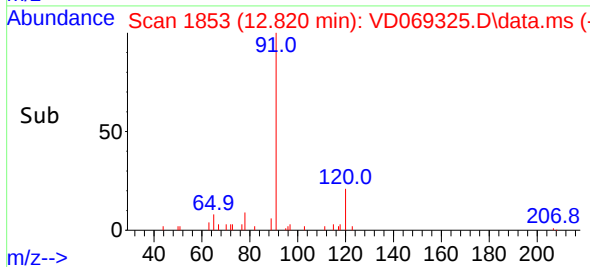
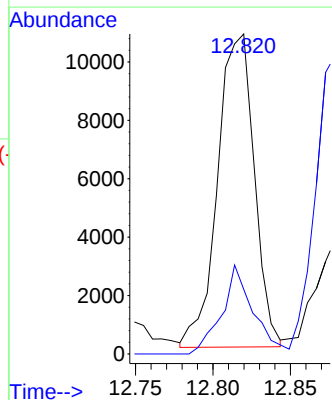
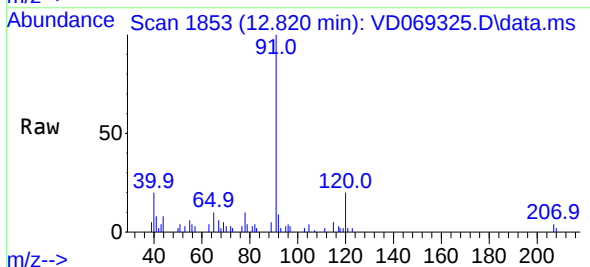
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

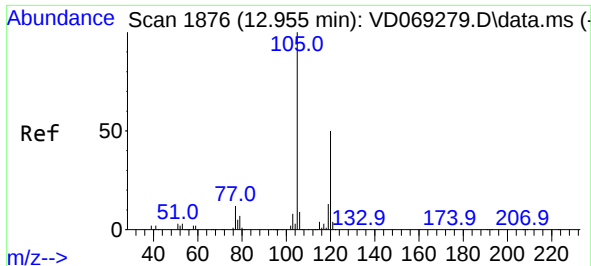
Tgt Ion:152 Resp: 94347
Ion Ratio Lower Upper
152 100
115 60.4 29.4 88.3
150 151.5 0.0 355.0



#78
n-propylbenzene
Concen: 2.227 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion: 91 Resp: 17633
Ion Ratio Lower Upper
91 100
120 24.3 11.6 34.8

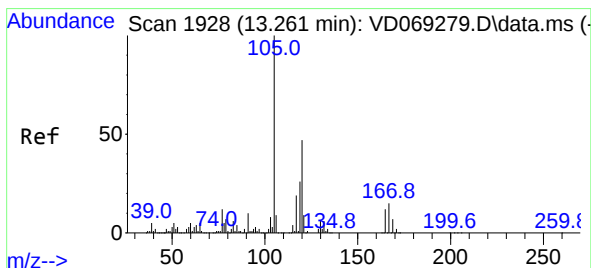
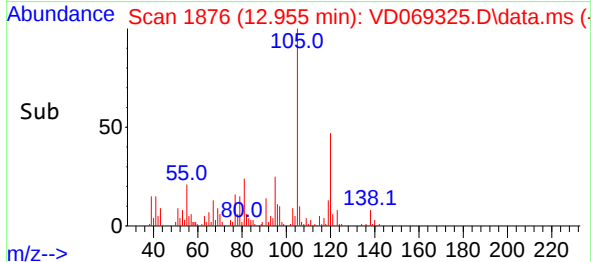
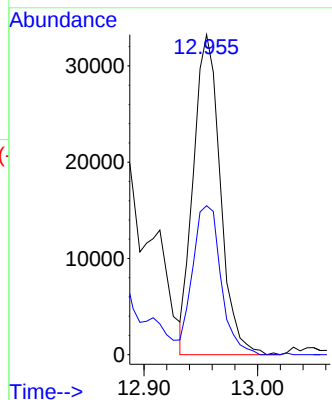
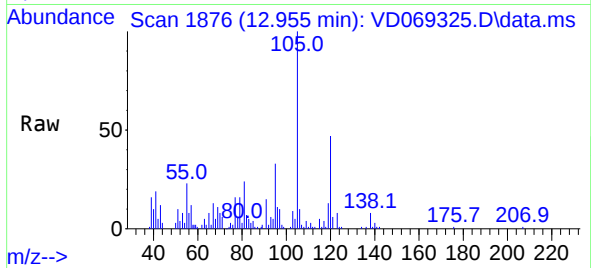




#80
1,3,5-Trimethylbenzene
Concen: 9.983 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

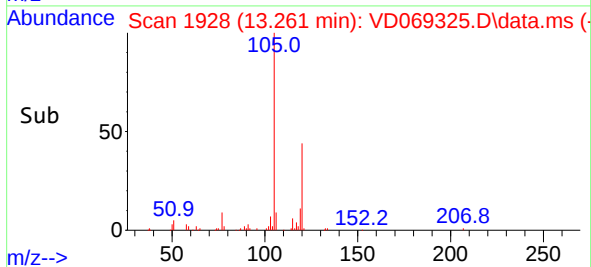
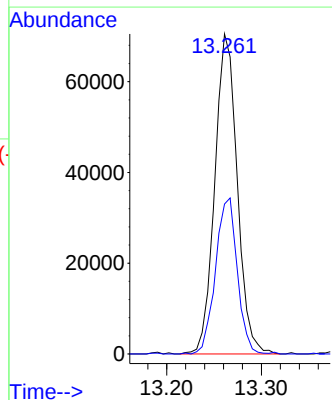
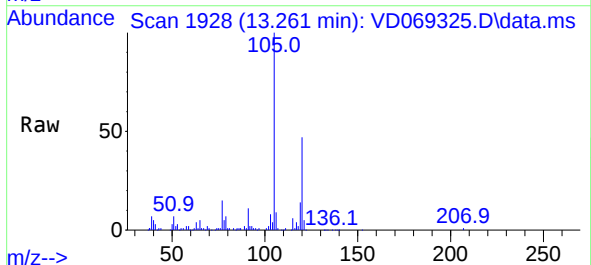
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

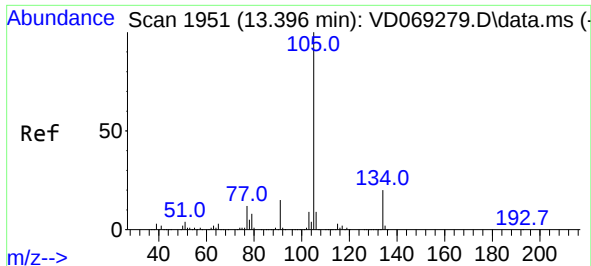
Tgt Ion:105 Resp: 54590
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 21.357 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion:105 Resp: 116152
Ion Ratio Lower Upper
105 100
120 47.3 22.6 67.8

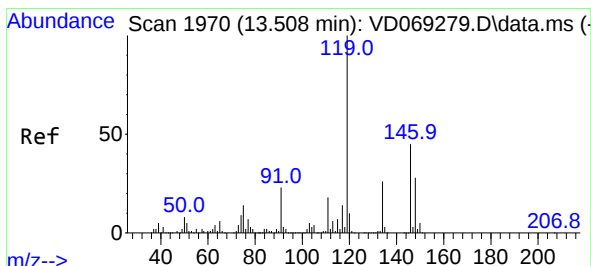
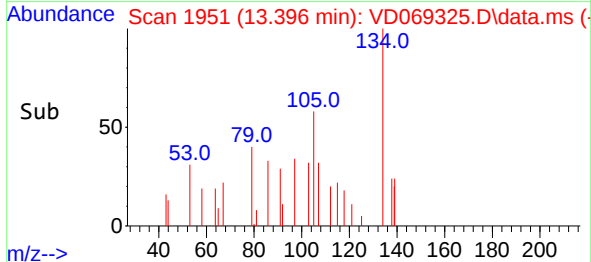
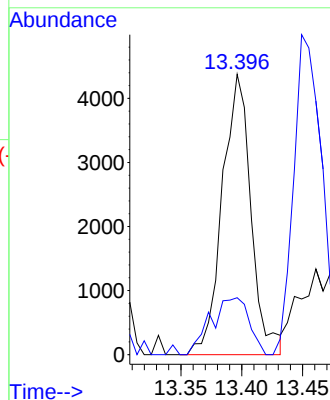
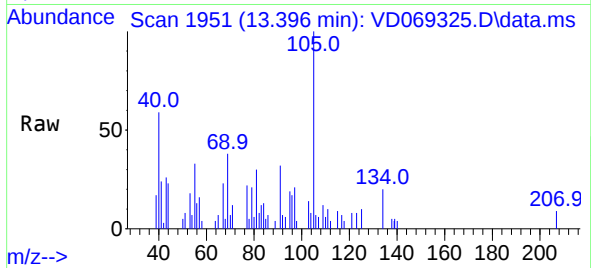




#85
sec-Butylbenzene
Concen: 1.065 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

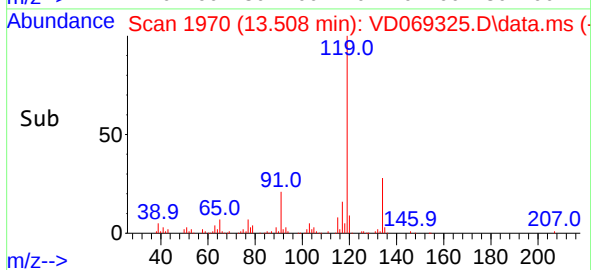
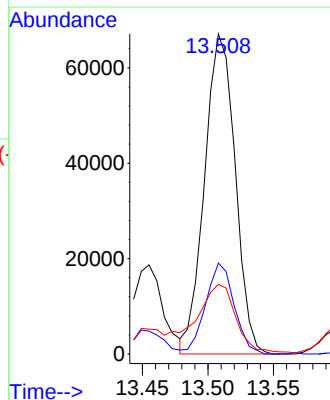
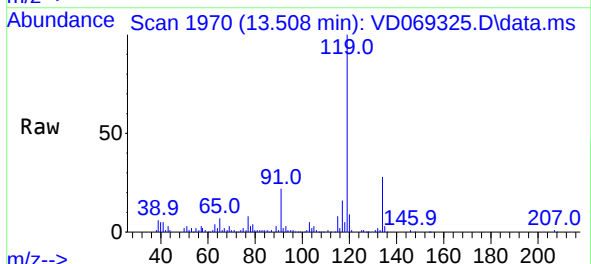
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

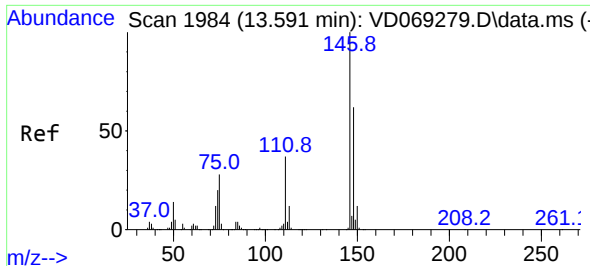
Tgt Ion:105 Resp: 7197
Ion Ratio Lower Upper
105 100
134 27.2 10.1 30.3



#86
p-Isopropyltoluene
Concen: 18.457 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion:119 Resp: 109086
Ion Ratio Lower Upper
119 100
134 26.4 13.0 39.0
91 25.5 11.3 33.8

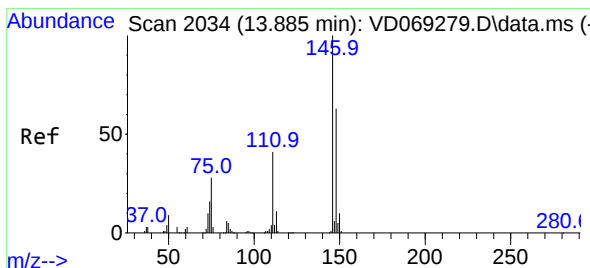
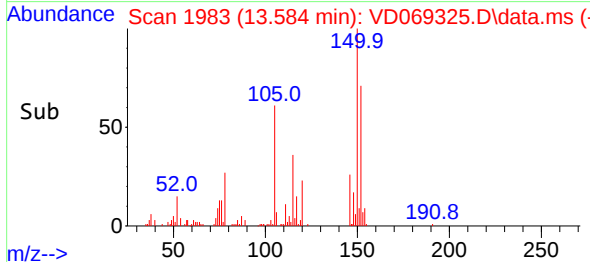
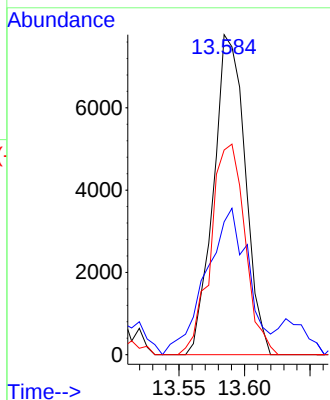
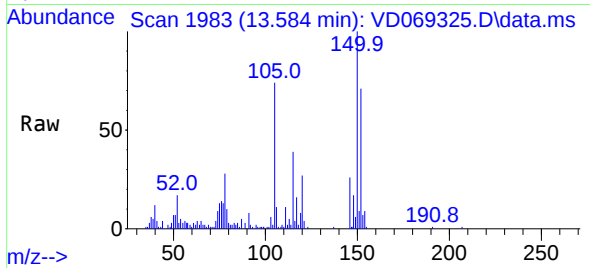




#88
1,4-Dichlorobenzene
Concen: 4.167 ug/l
RT: 13.584 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

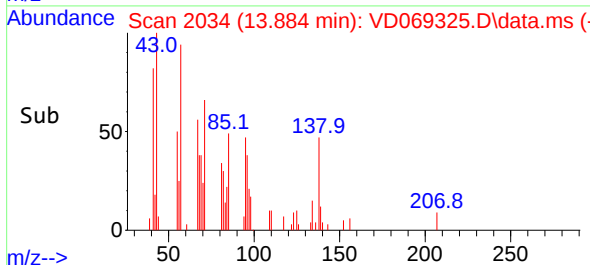
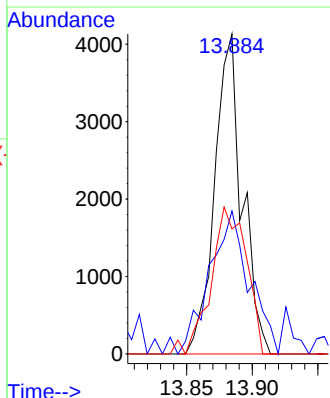
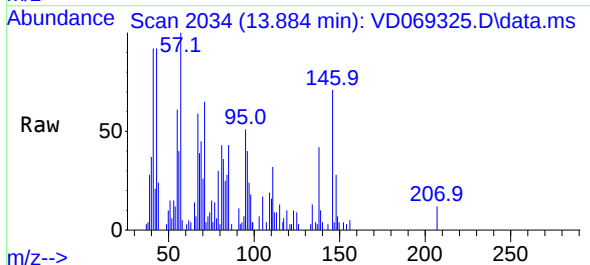
Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

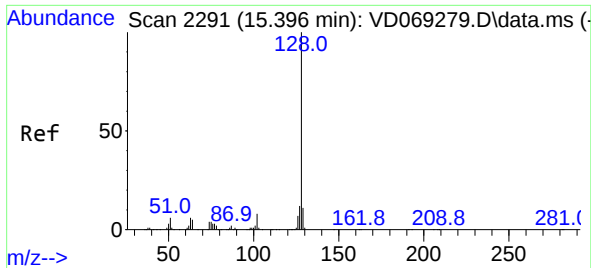
Tgt Ion:146 Resp: 13068
Ion Ratio Lower Upper
146 100
111 61.1 19.4 58.4#
148 71.3 31.1 93.3



#91
1,2-Dichlorobenzene
Concen: 2.217 ug/l
RT: 13.884 min Scan# 2034
Delta R.T. -0.000 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Tgt Ion:146 Resp: 6013
Ion Ratio Lower Upper
146 100
111 65.7 20.5 61.6#
148 59.3 32.1 96.3





#95
Naphthalene
Concen: 2099.086 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069325.D
Acq: 03 Jun 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :
18-B1(4-6)

Tgt Ion:128 Resp: 7224713
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.8 13.2

