

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033121\
 Data File : VD068746.D
 Acq On : 31 Mar 2021 19:54
 Operator : VA/SY
 Sample : M1836-13
 Misc : 9.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B6-0-2

Quant Time: Apr 01 00:47:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	661212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1092416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1113994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	544842	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	294499	44.17	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.34%
35) Dibromofluoromethane	7.920	113	332492	48.92	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.84%
50) Toluene-d8	10.344	98	1363969	52.05	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.10%
62) 4-Bromofluorobenzene	12.632	95	514456	60.55	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.10%

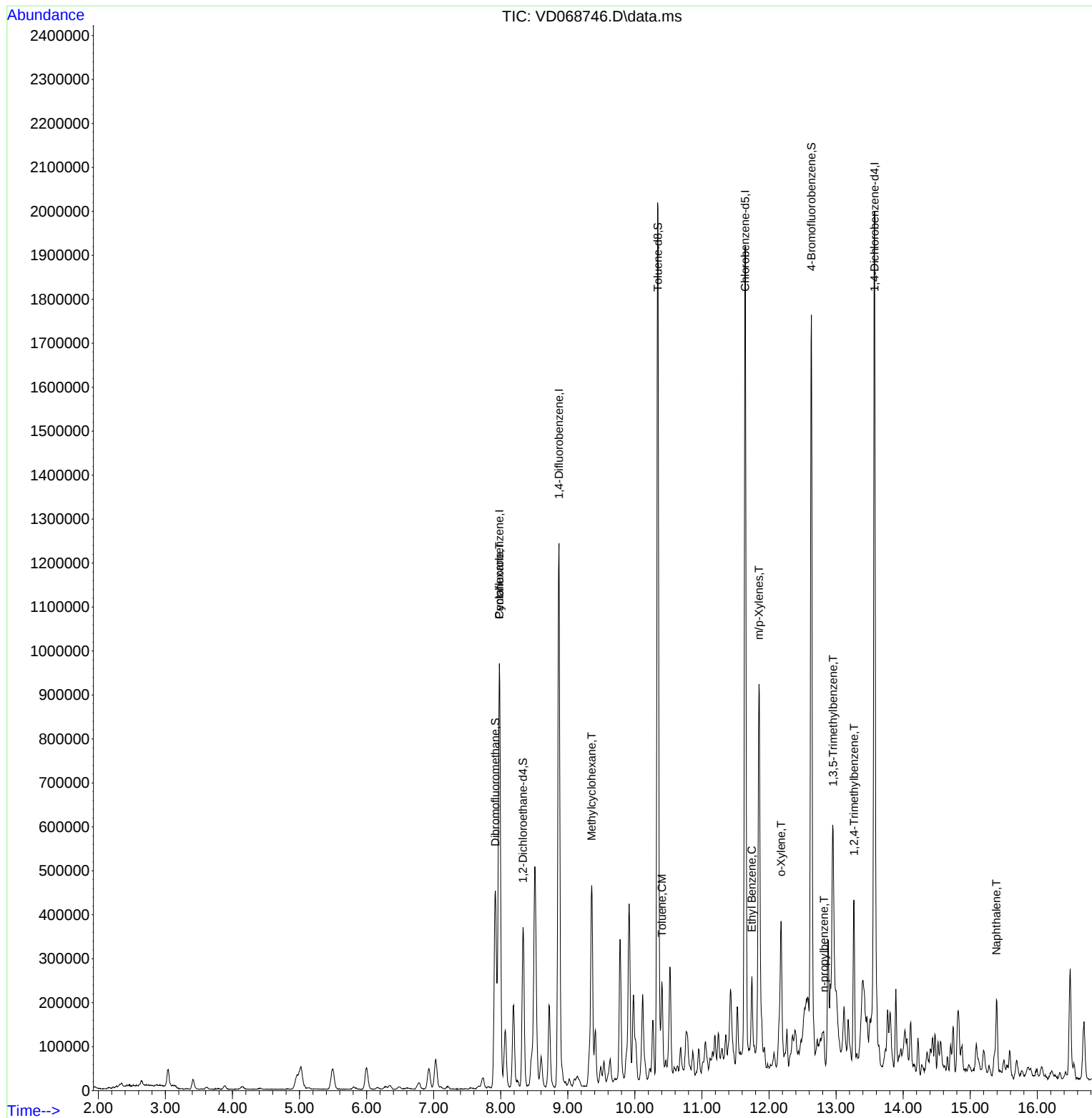
Target Compounds					Qvalue	
31) Cyclohexane	7.979	56	76802	7.14	ug/l	# 87
39) Methylcyclohexane	9.356	83	176849	14.68	ug/l	95
52) Toluene	10.403	92	91683	5.09	ug/l	100
67) Ethyl Benzene	11.744	91	121275	3.17	ug/l	99
68) m/p-Xylenes	11.850	106	228136	15.31	ug/l	100
69) o-Xylene	12.179	106	86374	6.25	ug/l	99
78) n-propylbenzene	12.820	91	47320	1.06	ug/l	94
80) 1,3,5-Trimethylbenzene	12.955	105	114042	3.77	ug/l	96
84) 1,2,4-Trimethylbenzene	13.267	105	221822	7.09	ug/l	97
95) Naphthalene	15.391	128	161736	9.56	ug/l	97

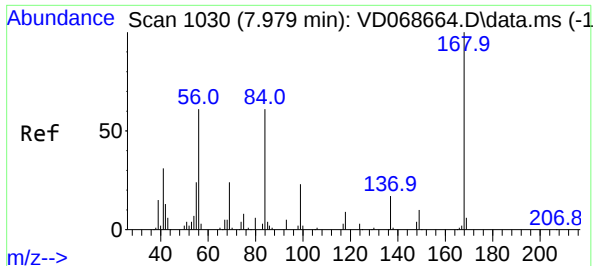
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

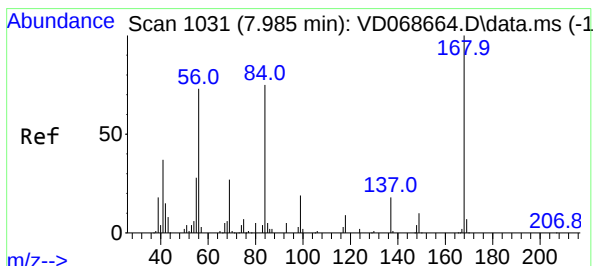
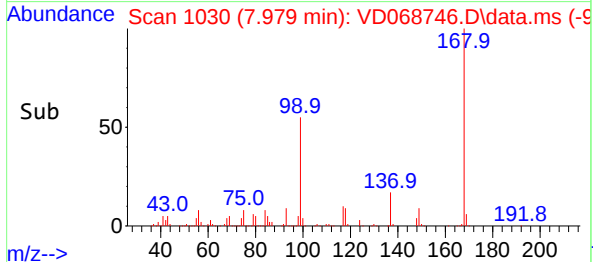
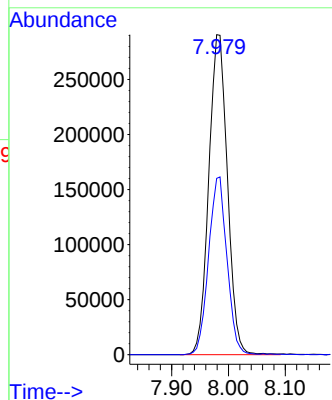
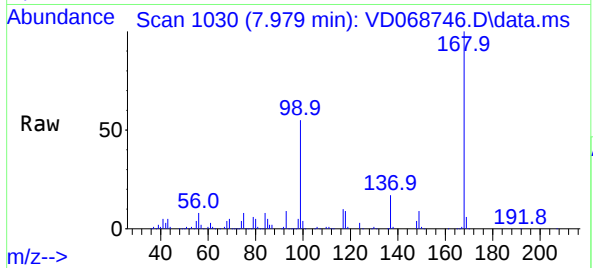




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

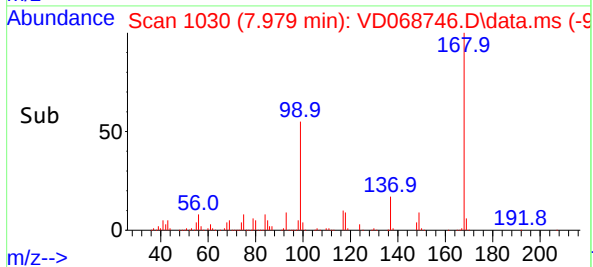
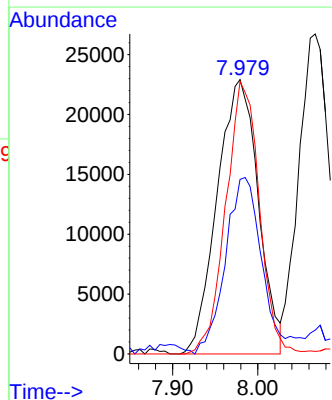
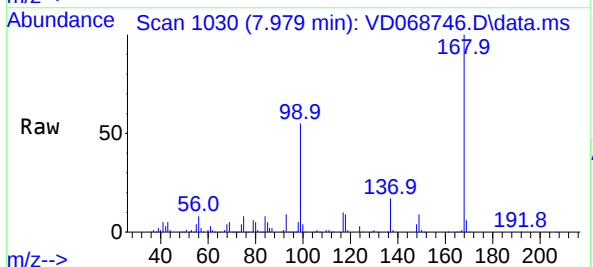
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

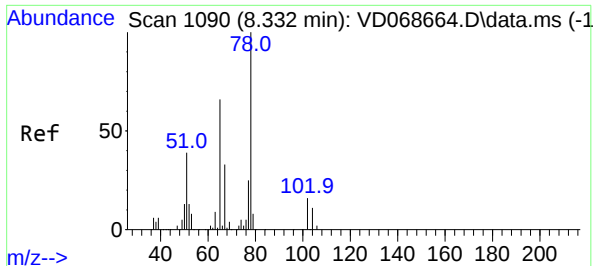
Tgt Ion:168 Resp: 661212
Ion Ratio Lower Upper
168 100
99 55.1 46.2 69.2



#31
Cyclohexane
Concen: 7.14 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion: 56 Resp: 76802
Ion Ratio Lower Upper
56 100
69 61.4 30.0 45.0#
84 99.2 82.0 123.0

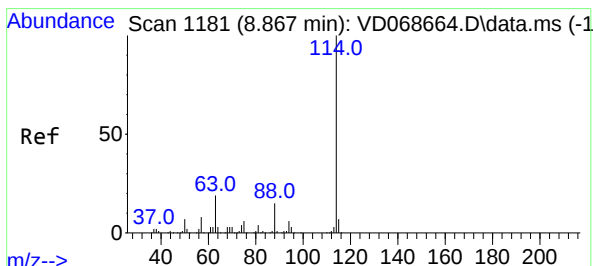
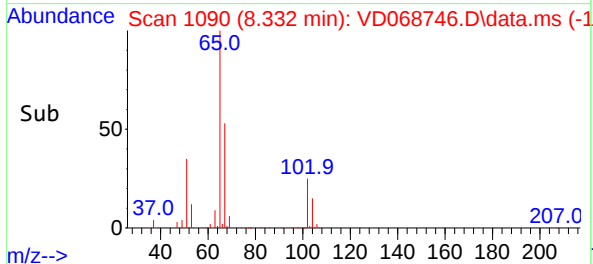
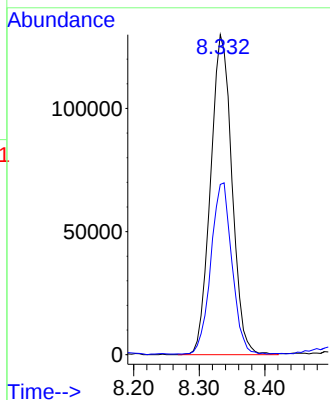
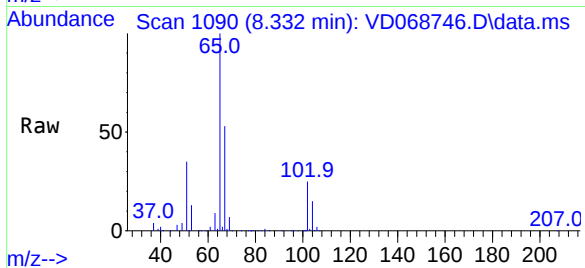




#33
1,2-Dichloroethane-d4
Concen: 44.17 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

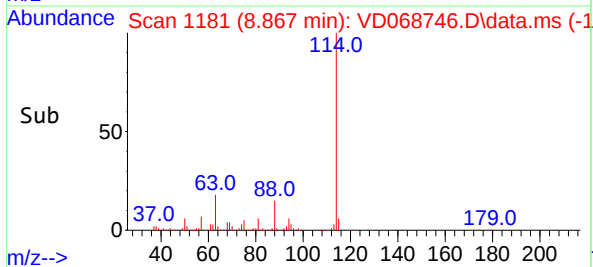
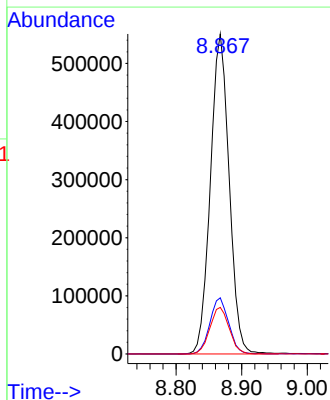
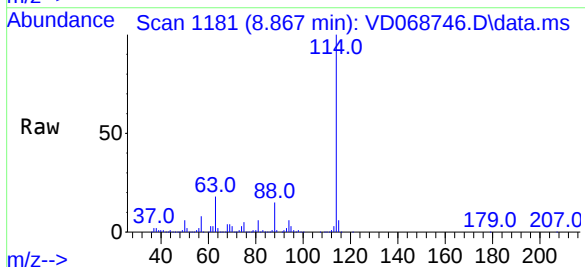
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

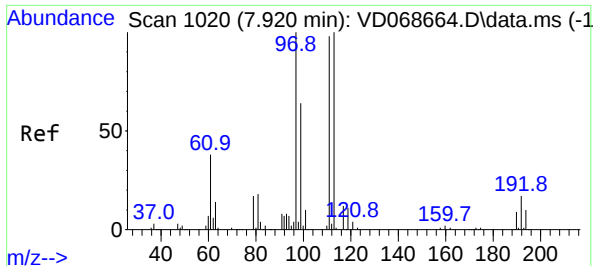
Tgt Ion: 65 Resp: 294499
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion:114 Resp: 1092416
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.2
88 14.6 0.0 29.4



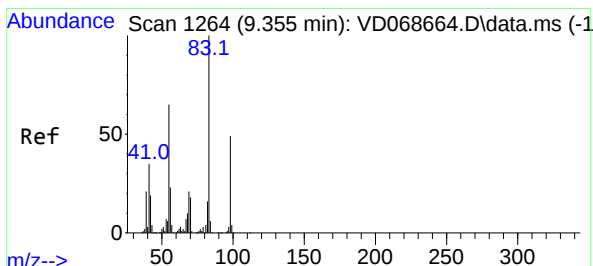
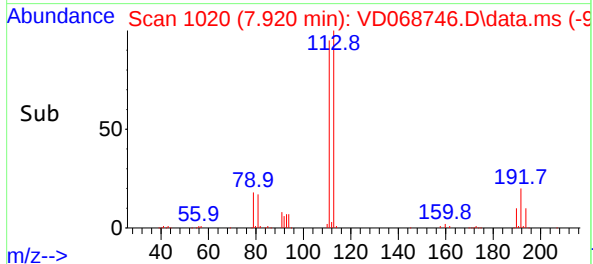
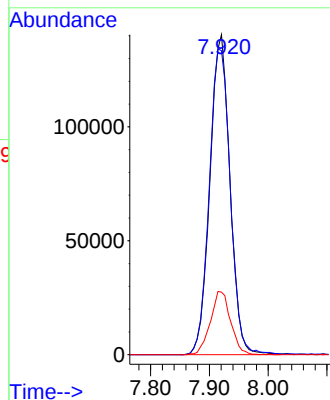
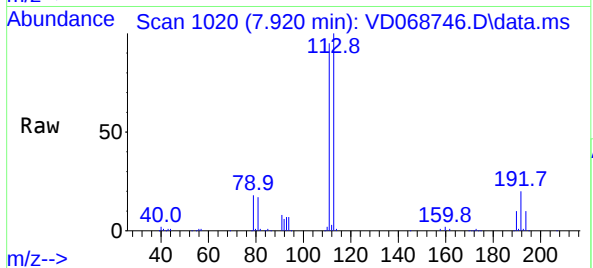


#35

Dibromofluoromethane
Concen: 48.92 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

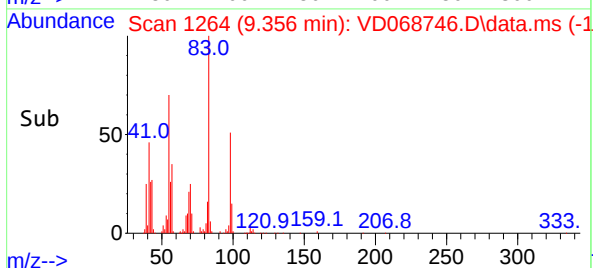
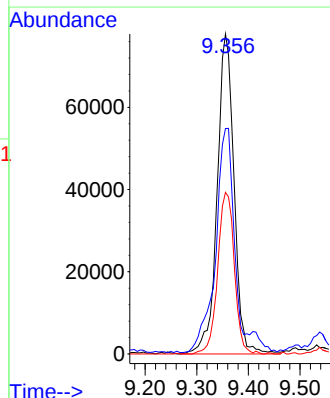
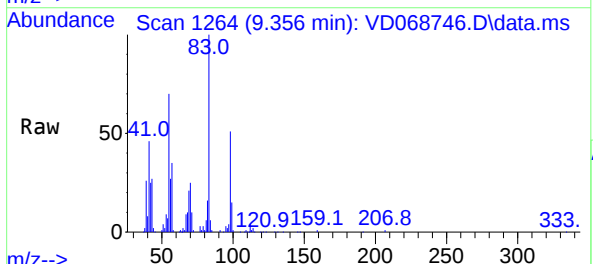
Tgt Ion:113 Resp: 332492
Ion Ratio Lower Upper
113 100
111 100.3 82.5 123.7
192 19.9 15.1 22.7

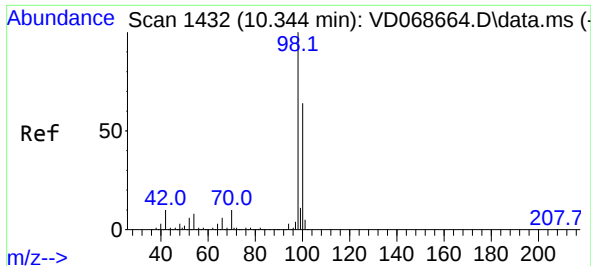


#39

Methylcyclohexane
Concen: 14.68 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion: 83 Resp: 176849
Ion Ratio Lower Upper
83 100
55 70.0 51.7 77.5
98 50.5 38.8 58.2

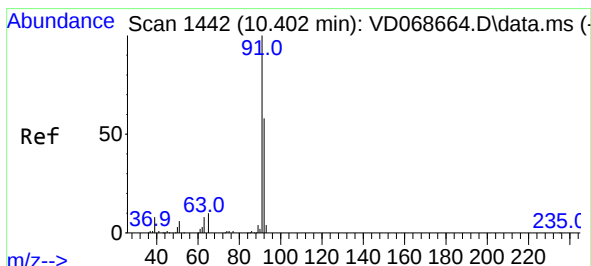
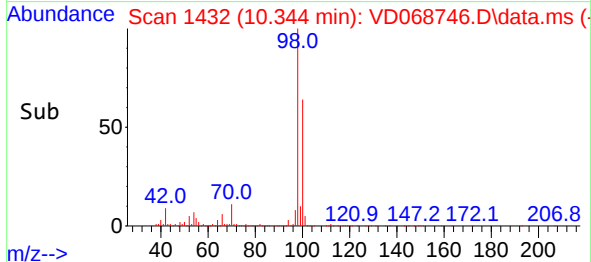
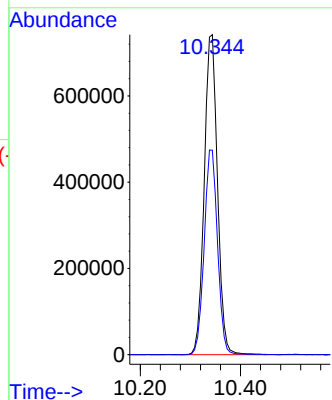
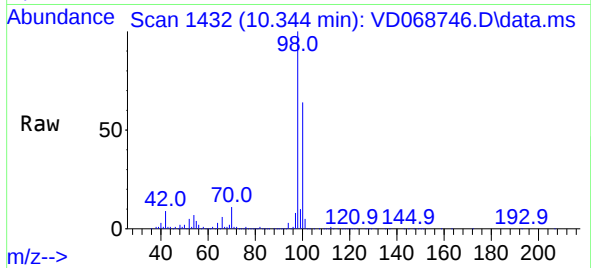




#50
Toluene-d8
Concen: 52.05 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

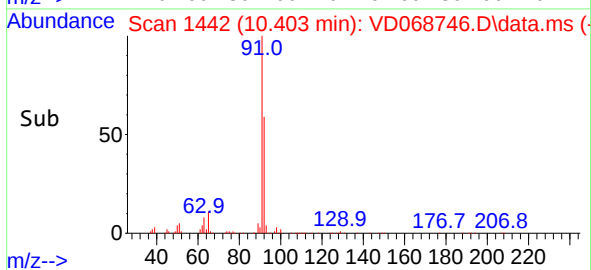
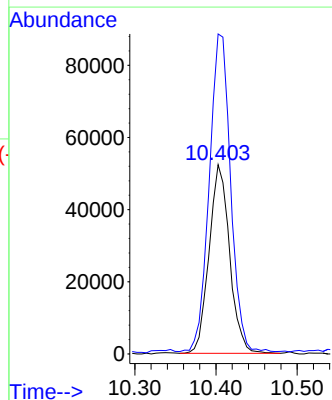
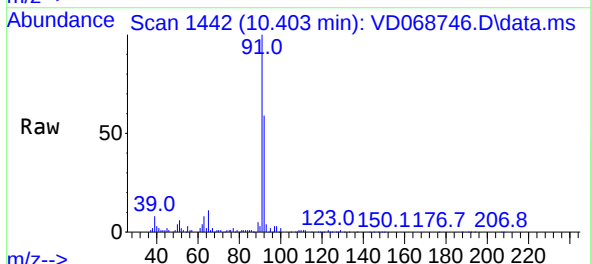
Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

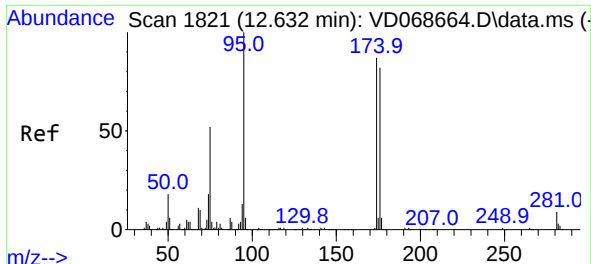
Tgt Ion: 98 Resp: 1363969
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#52
Toluene
Concen: 5.09 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion: 92 Resp: 91683
Ion Ratio Lower Upper
92 100
91 174.5 139.1 208.7



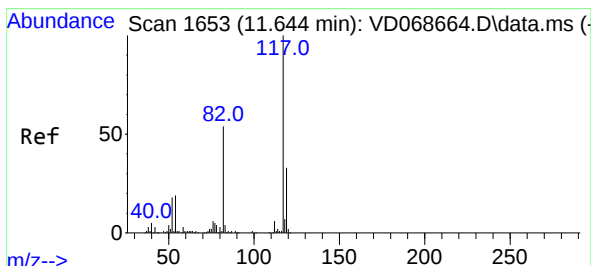
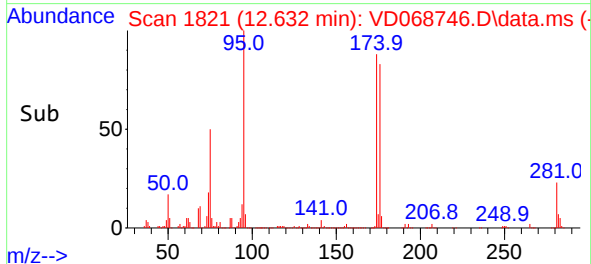
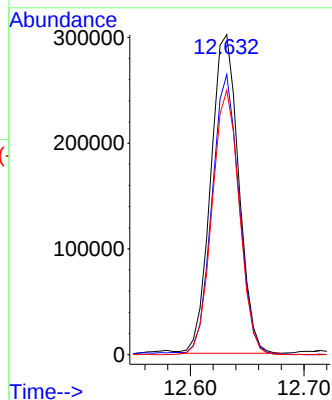
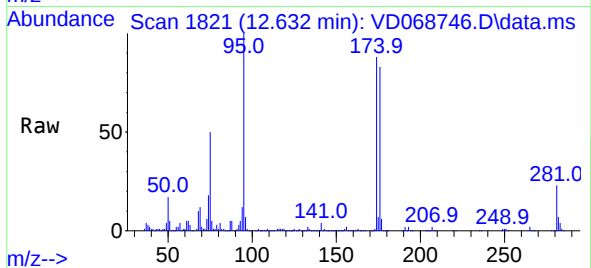


#62
4-Bromofluorobenzene
Concen: 60.55 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

Tgt Ion: 95 Resp: 514456

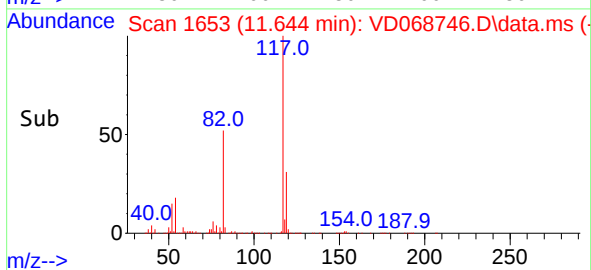
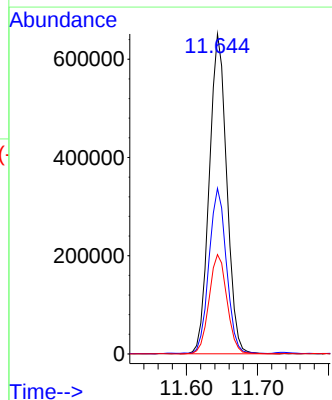
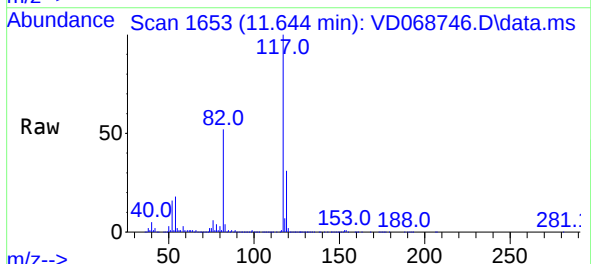
Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	168.0
176	81.2	0.0	160.2

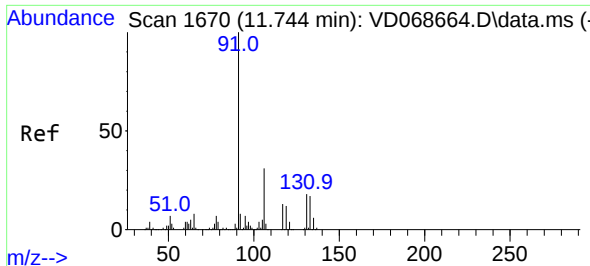


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion: 117 Resp: 1113994

Ion	Ratio	Lower	Upper
117	100		
82	51.6	43.5	65.3
119	31.0	26.7	40.1

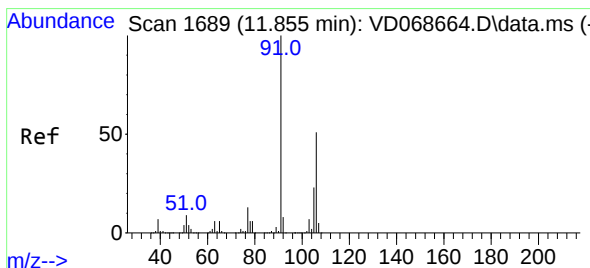
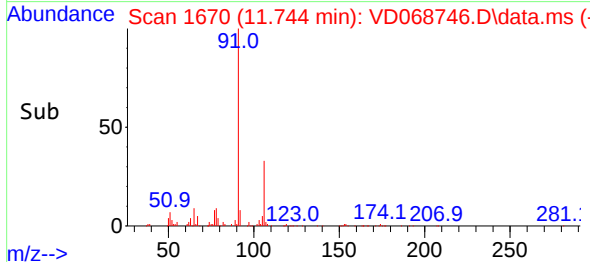
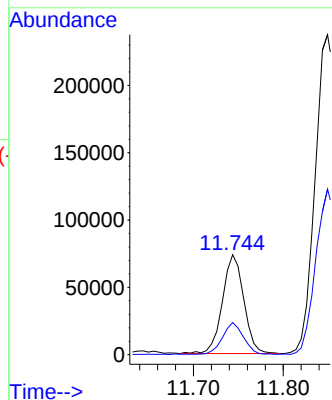
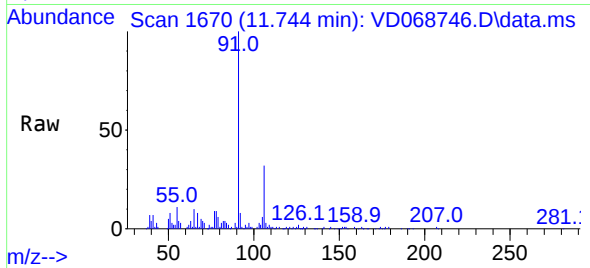




#67
Ethyl Benzene
Concen: 3.17 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

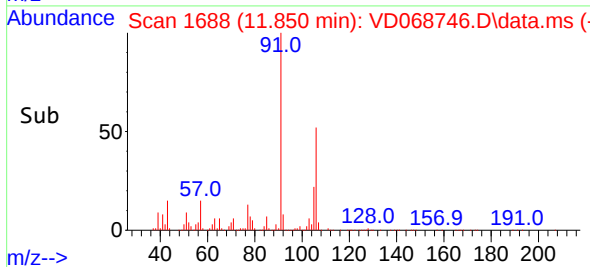
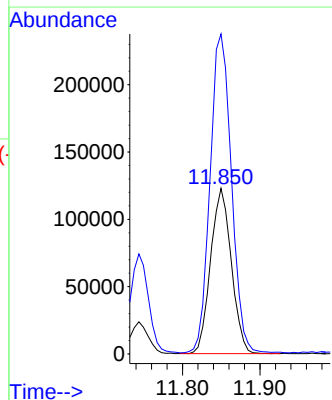
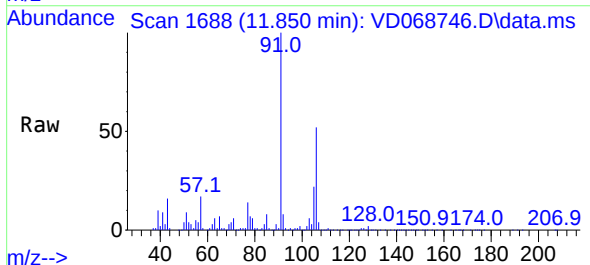
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

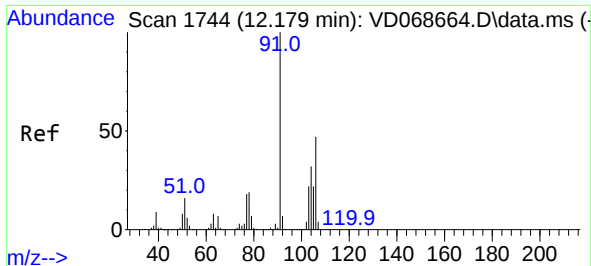
Tgt Ion: 91 Resp: 121275
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 15.31 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion: 106 Resp: 228136
Ion Ratio Lower Upper
106 100
91 198.3 158.6 238.0

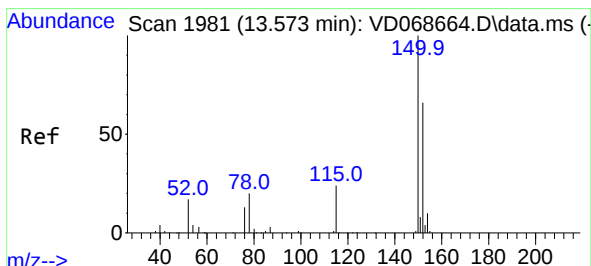
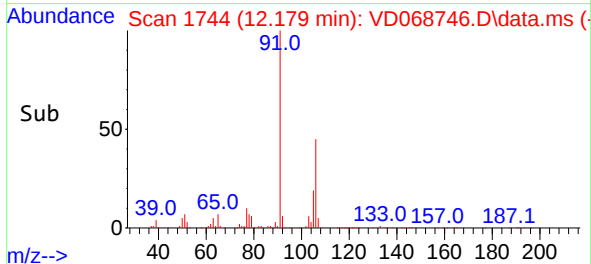
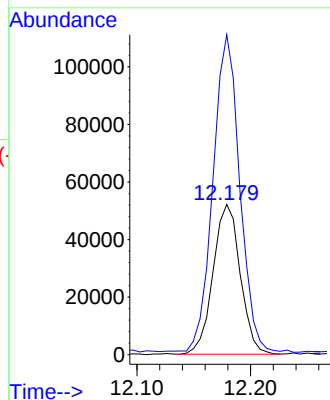
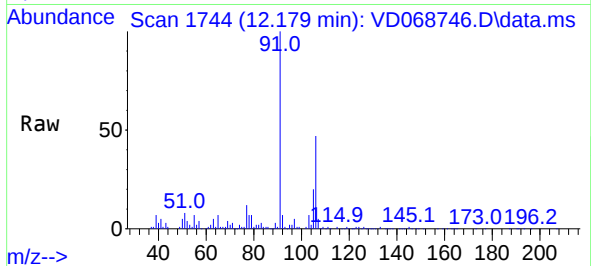




#69
o-Xylene
Concen: 6.25 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

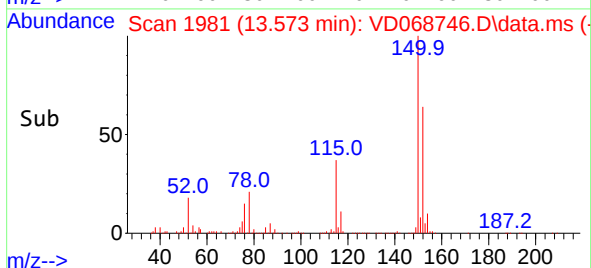
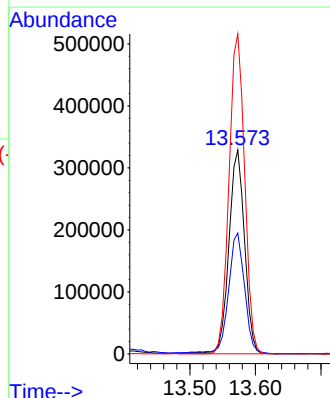
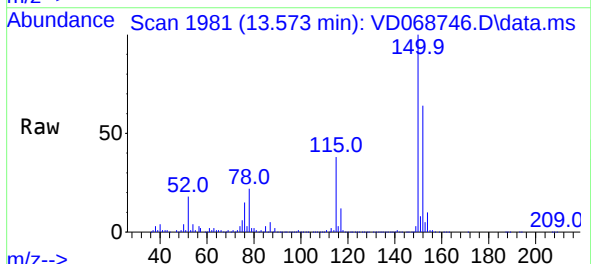
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

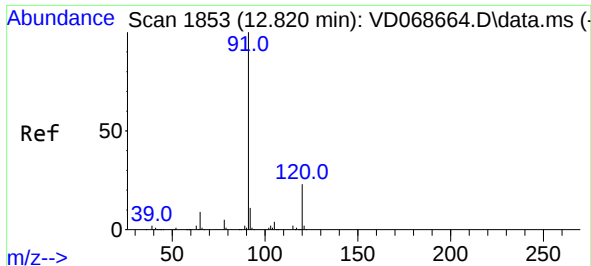
Tgt Ion:106 Resp: 86374
Ion Ratio Lower Upper
106 100
91 208.9 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion:152 Resp: 544842
Ion Ratio Lower Upper
152 100
115 61.9 29.3 87.8
150 156.6 0.0 347.6

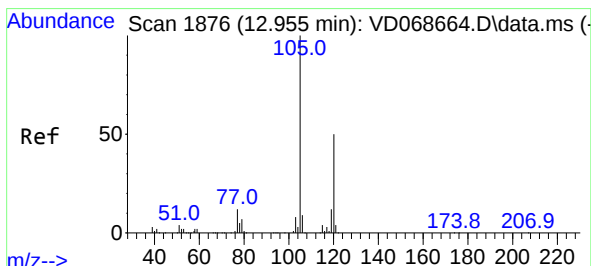
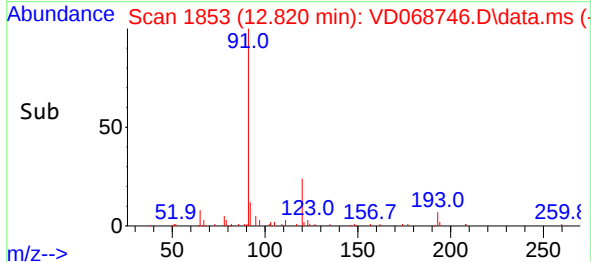
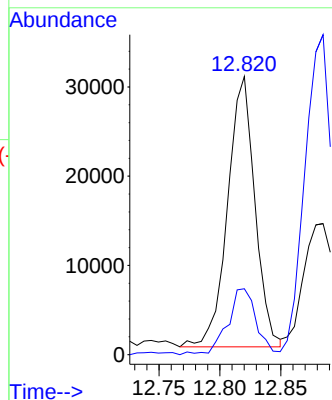
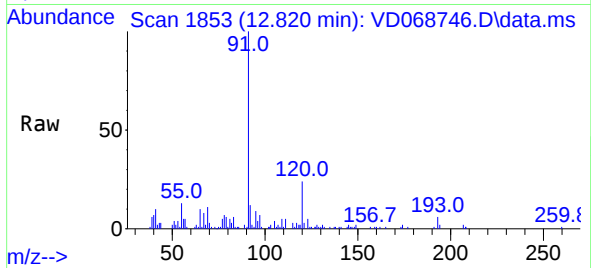




#78
n-propylbenzene
Concen: 1.06 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

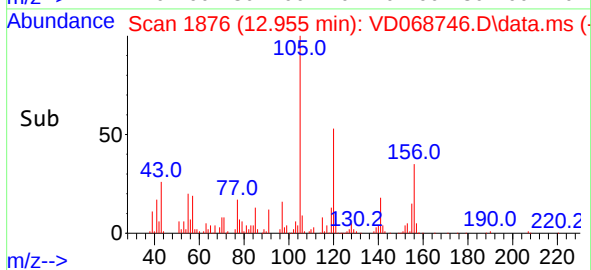
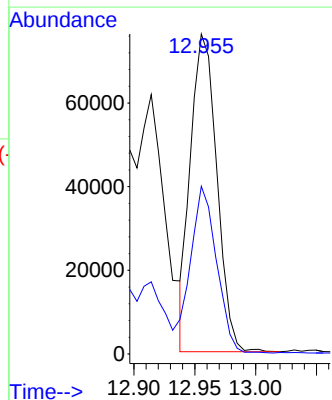
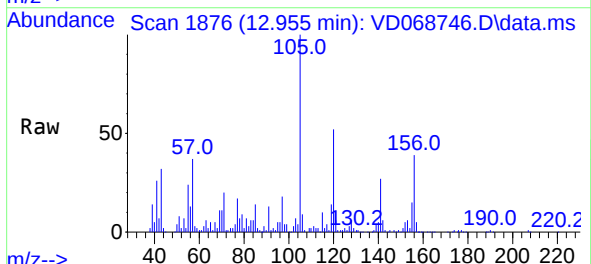
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

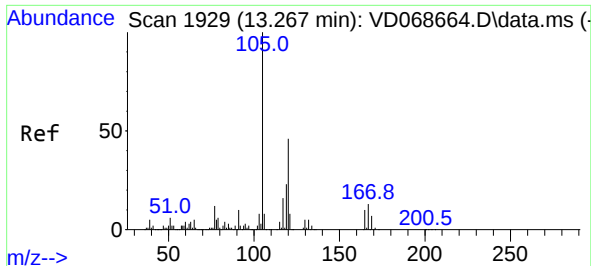
Tgt Ion: 91 Resp: 47320
Ion Ratio Lower Upper
91 100
120 25.6 11.4 34.2



#80
1,3,5-Trimethylbenzene
Concen: 3.77 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion:105 Resp: 114042
Ion Ratio Lower Upper
105 100
120 52.8 24.9 74.7

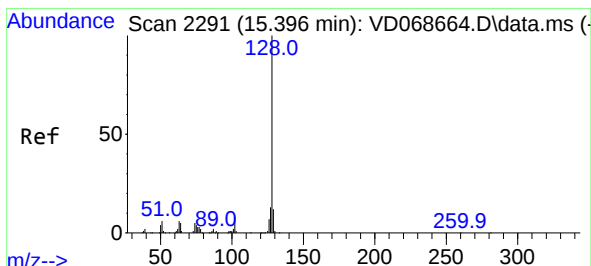
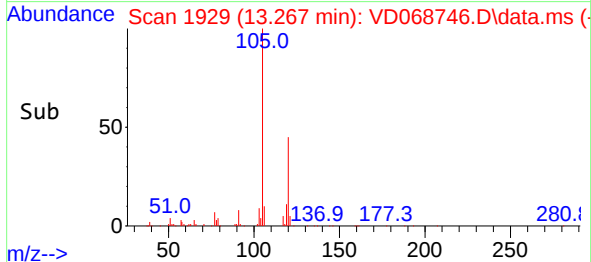
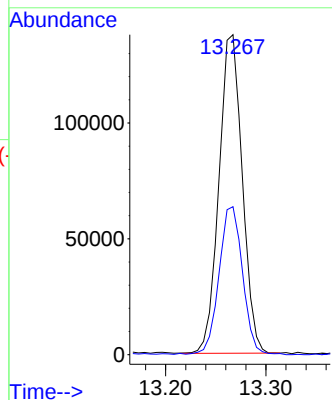
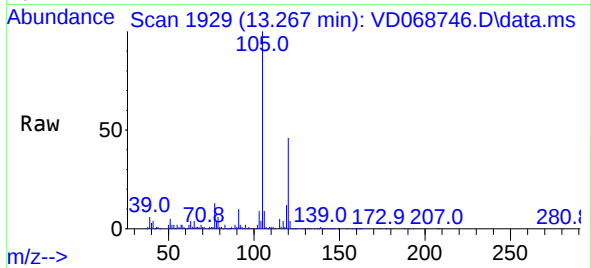




#84
1,2,4-Trimethylbenzene
Concen: 7.09 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

Tgt Ion:105 Resp: 221822
Ion Ratio Lower Upper
105 100
120 47.2 22.6 67.7



#95
Naphthalene
Concen: 9.56 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068746.D
Acq: 31 Mar 2021 19:54

Tgt Ion:128 Resp: 161736
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 12.3 8.9 13.3

