

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069884.D
 Acq On : 28 Jul 2021 12:34
 Operator : VA/SY
 Sample : M3158-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WASTE

Quant Time: Jul 28 13:13:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	460319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	960537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	618418	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.549	152	451684m	50.000	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	372428	70.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.700%	
35) Dibromofluoromethane	7.914	113	343923	56.798	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.600%	
50) Toluene-d8	10.332	98	1634788	70.017	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 140.040%#	
62) 4-Bromofluorobenzene	12.620	95	785624	100.680	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 201.360%#	

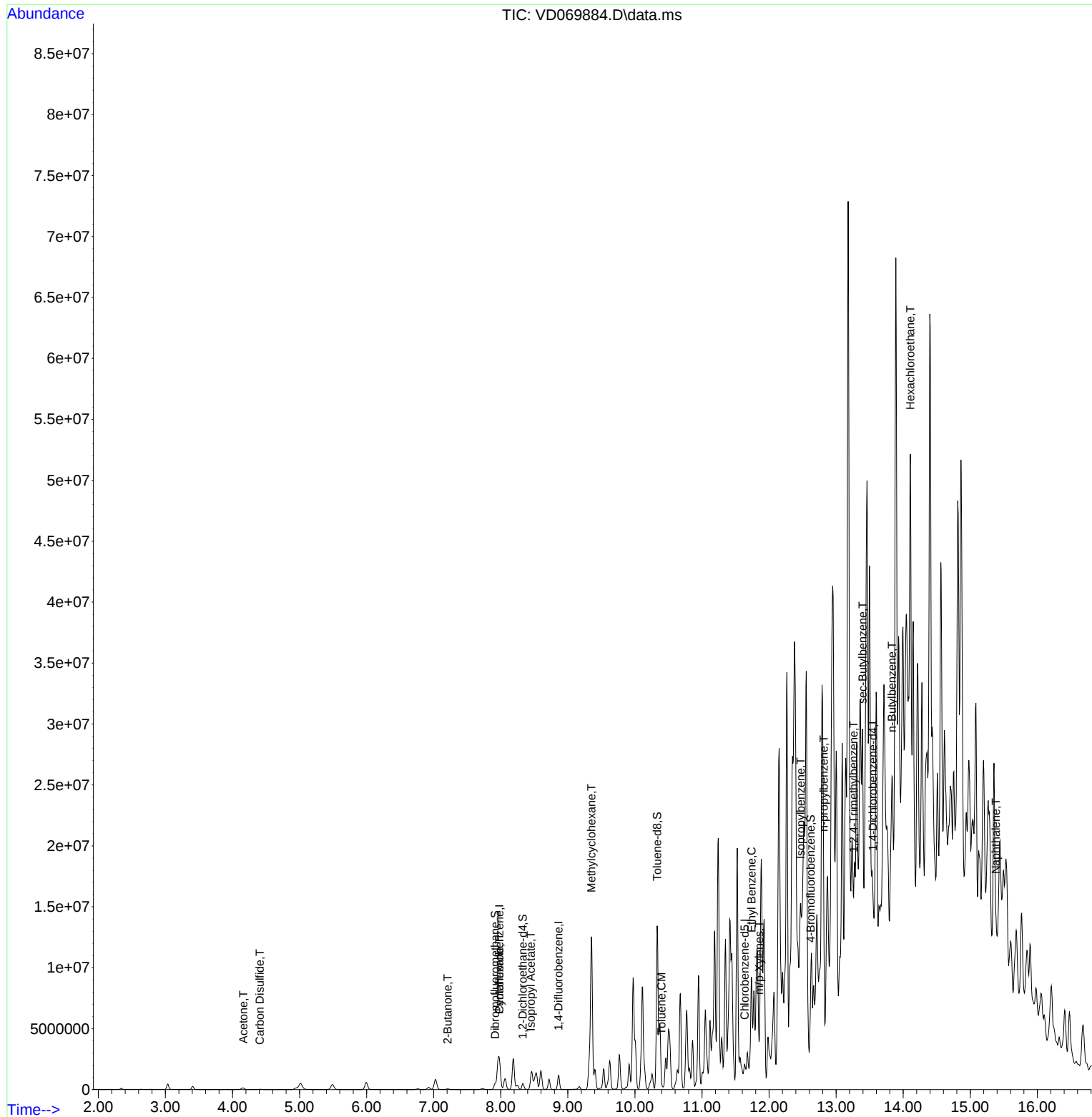
Target Compounds					Qvalue	
16) Acetone	4.161	43	220082	230.126	ug/l	93
17) Carbon Disulfide	4.408	76	51320	2.725	ug/l	96
25) 2-Butanone	7.208	43	59673	46.011	ug/l	94
31) Cyclohexane	7.979	56	1191607	115.196	ug/l	92
39) Methylcyclohexane	9.349	83	5469823	460.745	ug/l	99
43) Isopropyl Acetate	8.449	43	214087	31.632	ug/l	# 48
52) Toluene	10.396	92	62374	3.424	ug/l	95
67) Ethyl Benzene	11.737	91	4154876	184.195	ug/l	100
68) m/p-Xylenes	11.855	106	95489	10.920	ug/l	# 62
73) Isopropylbenzene	12.473	105	2808217	86.529	ug/l	100
78) n-propylbenzene	12.814	91	6881139	165.082	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	379192	13.845	ug/l	98
85) sec-Butylbenzene	13.396	105	5374097	150.606	ug/l	86
89) n-Butylbenzene	13.831	91	4604287	160.933	ug/l	# 90
90) Hexachloroethane	14.108	117	1030389	167.793	ug/l	# 18
95) Naphthalene	15.384	128	2391182	150.772	ug/l	# 91

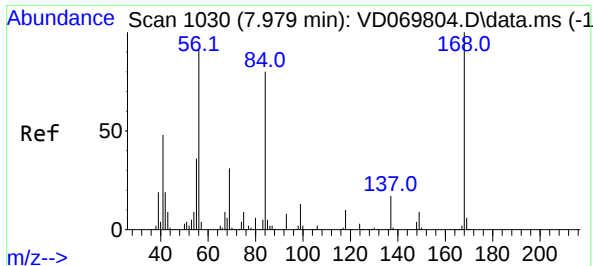
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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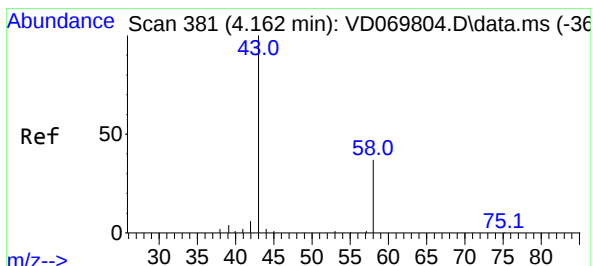
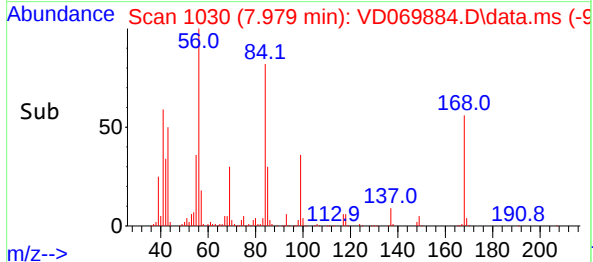
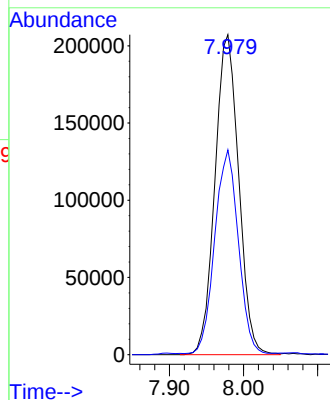
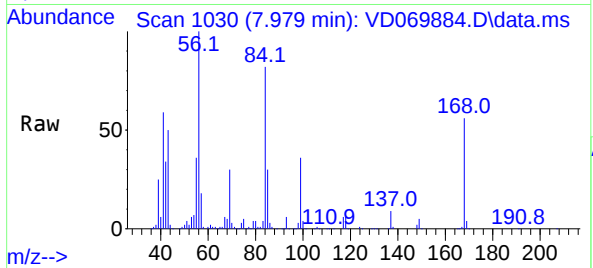




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

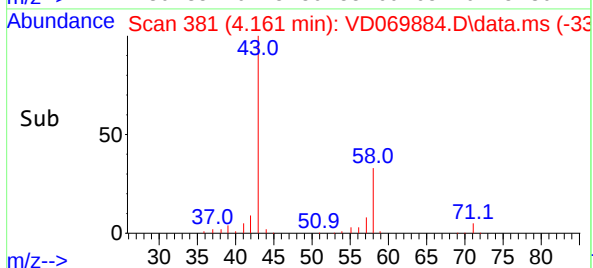
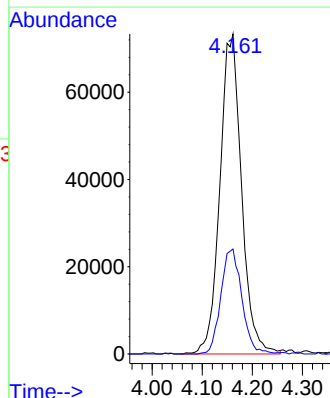
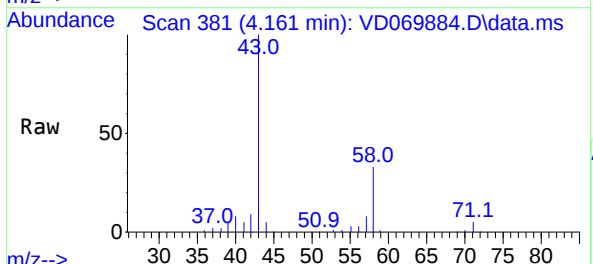
Instrument :
MSVOA_D
ClientSampleId :
WASTE

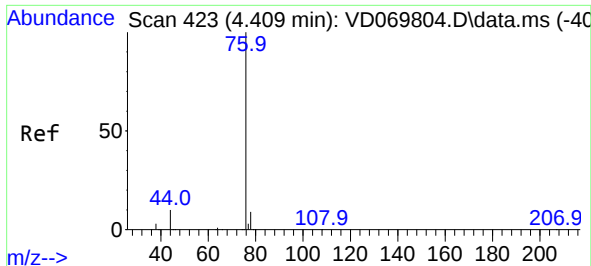
Tgt Ion:168 Resp: 460319
Ion Ratio Lower Upper
168 100
99 63.6 51.1 76.7



#16
Acetone
Concen: 230.126 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion: 43 Resp: 220082
Ion Ratio Lower Upper
43 100
58 32.8 29.4 44.0

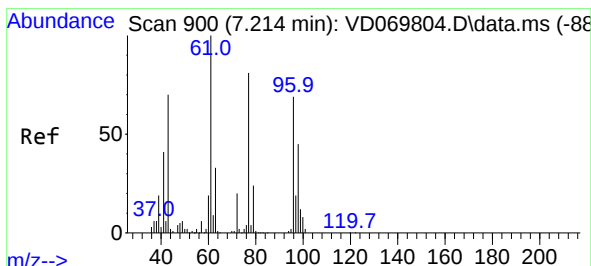
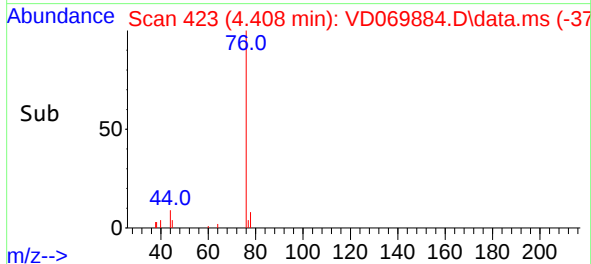
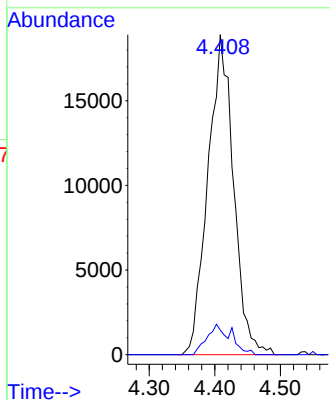
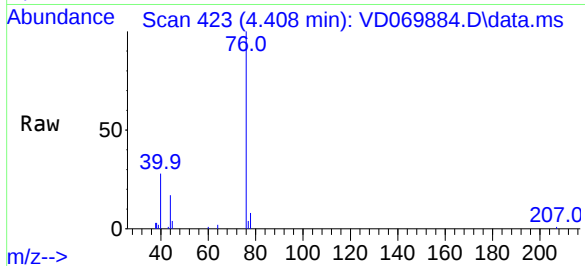




#17
Carbon Disulfide
Concen: 2.725 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

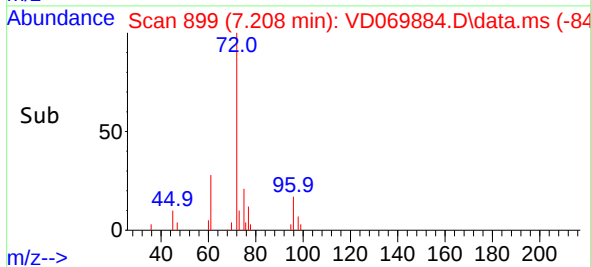
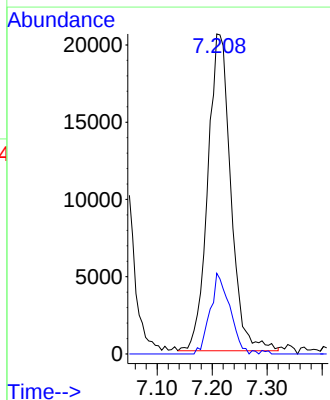
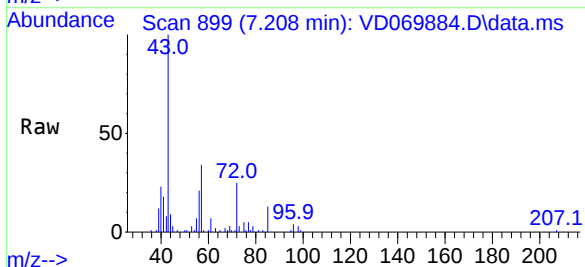
Instrument :
MSVOA_D
ClientSampled :
WASTE

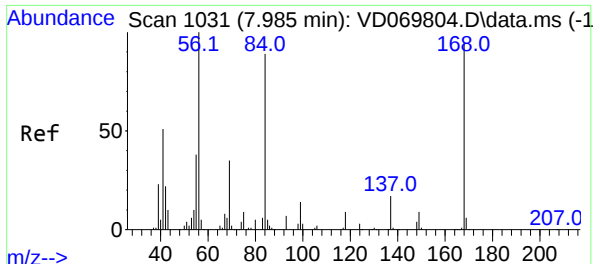
Tgt Ion: 76 Resp: 51320
Ion Ratio Lower Upper
76 100
78 7.7 7.3 10.9



#25
2-Butanone
Concen: 46.011 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion: 43 Resp: 59673
Ion Ratio Lower Upper
43 100
72 25.5 22.8 34.2

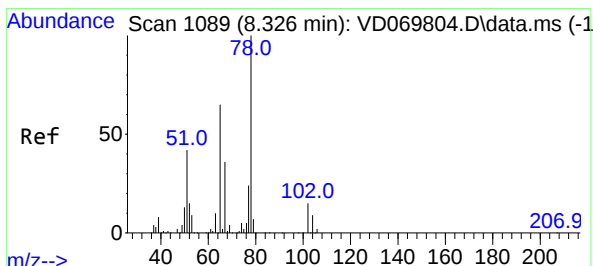
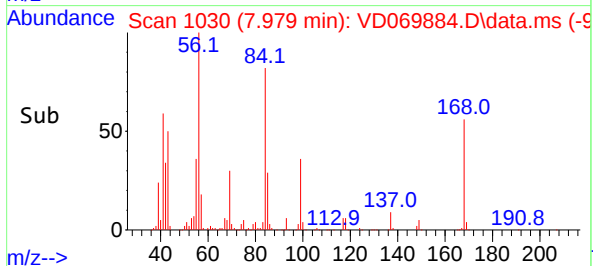
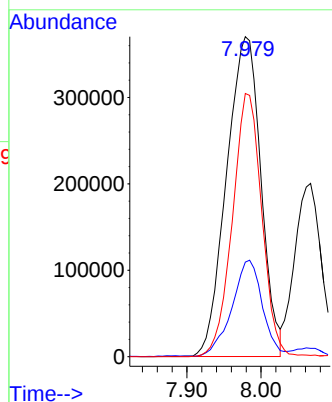
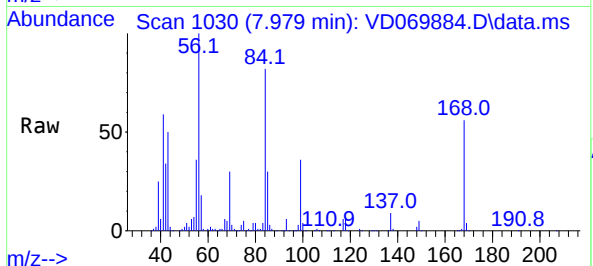




#31
Cyclohexane
Concen: 115.196 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

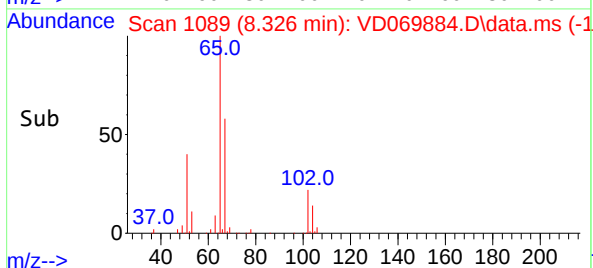
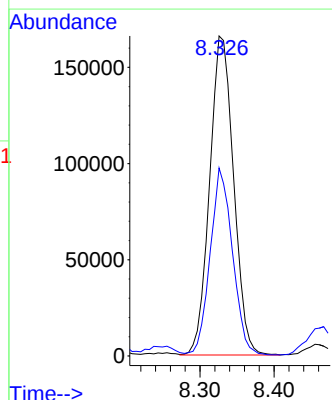
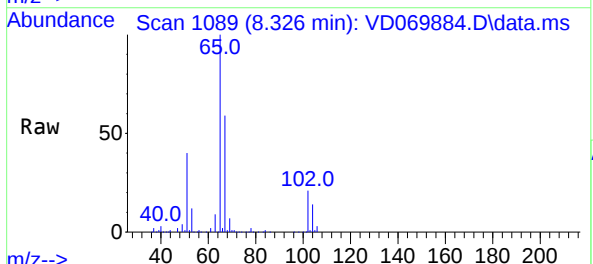
Instrument :
MSVOA_D
ClientSampleId :
WASTE

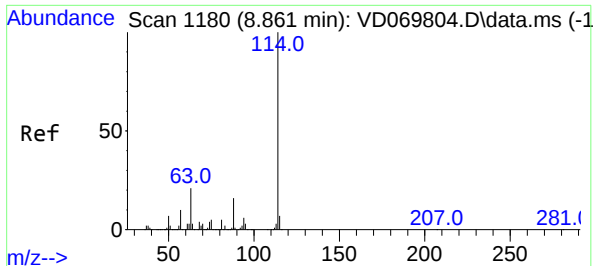
Tgt Ion: 56 Resp: 1191607
Ion Ratio Lower Upper
56 100
69 29.3 27.9 41.9
84 82.3 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 70.348 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion: 65 Resp: 372428
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2

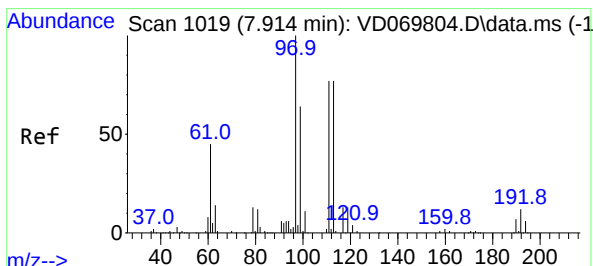
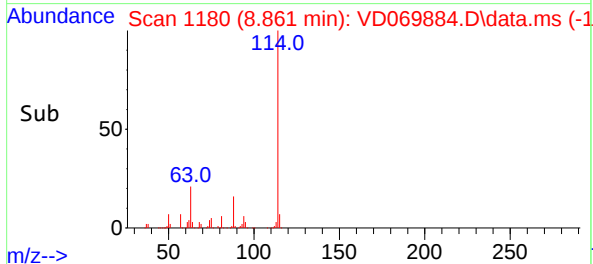
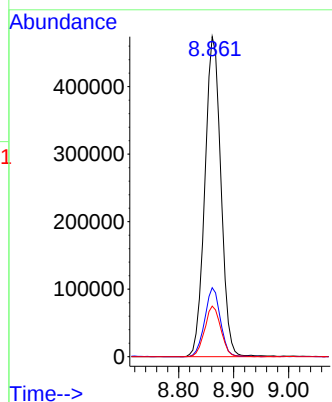
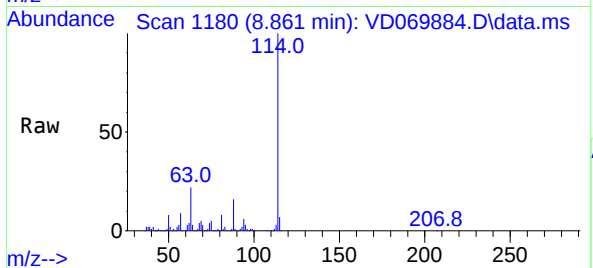




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

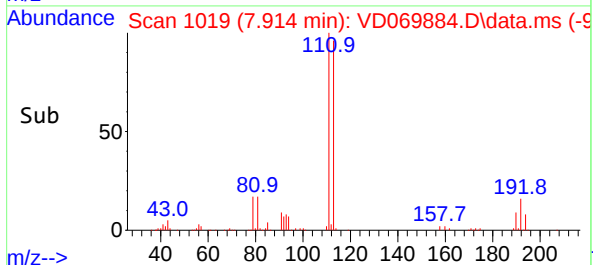
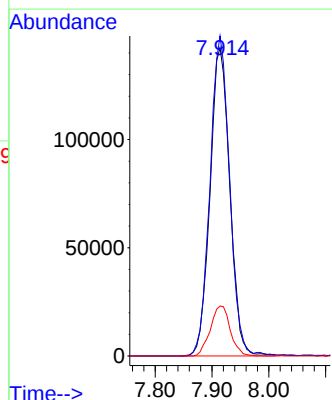
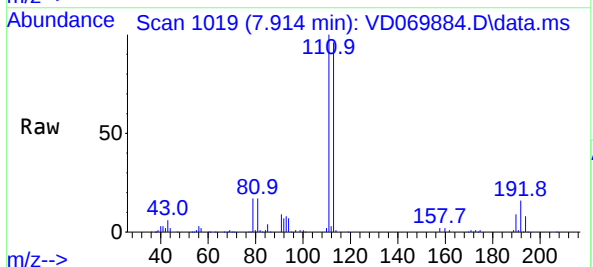
Instrument :
MSVOA_D
ClientSampled :
WASTE

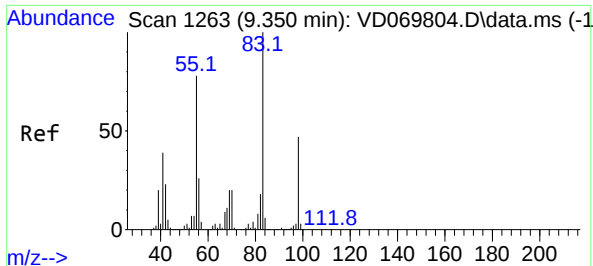
Tgt Ion:114 Resp: 960537
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.6
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 56.798 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion:113 Resp: 343923
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 16.3 12.6 19.0





#39

Methylcyclohexane

Concen: 460.745 ug/l

RT: 9.349 min Scan# 1263

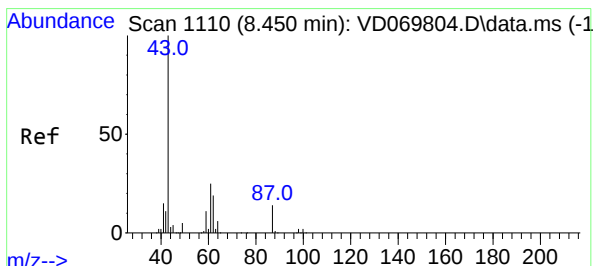
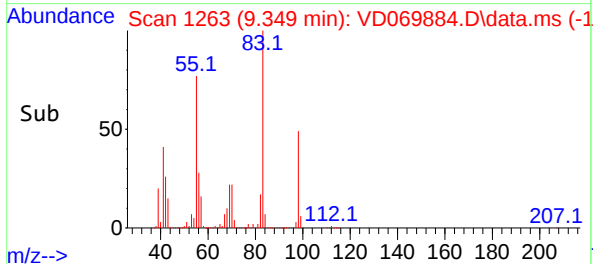
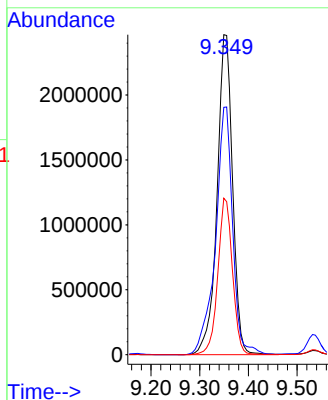
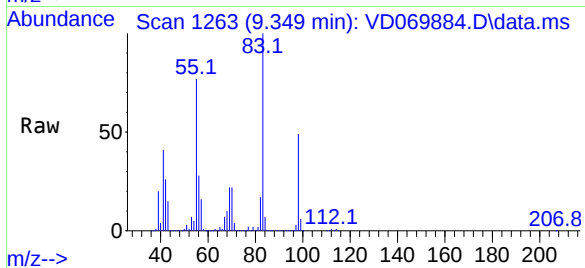
Delta R.T. -0.000 min

Lab File: VD069884.D

Acq: 28 Jul 2021 12:34

Tgt Ion: 83 Resp: 5469823

Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.2	93.2
98	48.9	37.8	56.8



#43

Isopropyl Acetate

Concen: 31.632 ug/l

RT: 8.449 min Scan# 1110

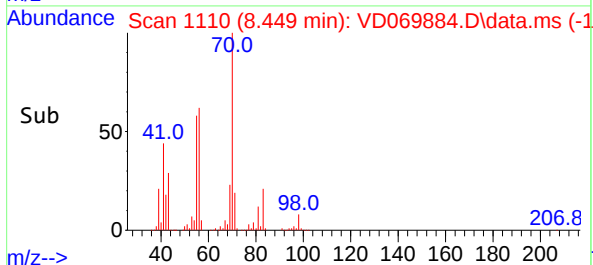
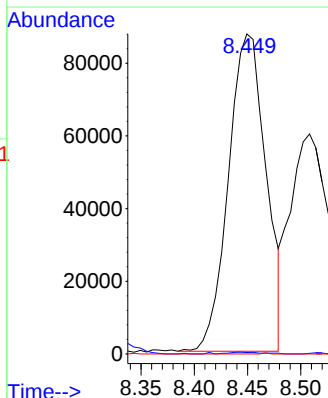
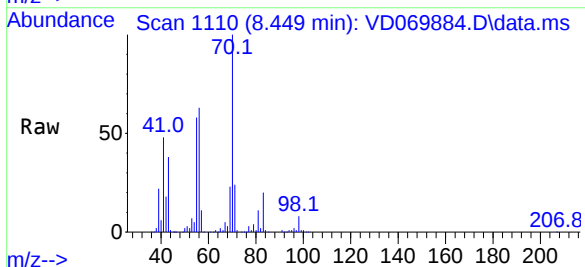
Delta R.T. -0.000 min

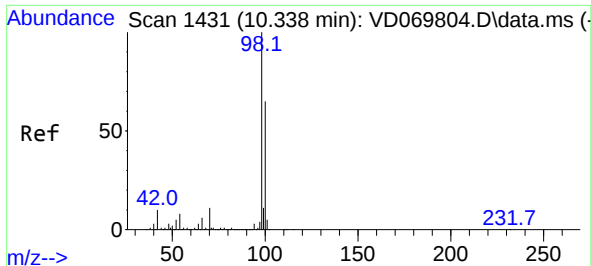
Lab File: VD069884.D

Acq: 28 Jul 2021 12:34

Tgt Ion: 43 Resp: 214087

Ion	Ratio	Lower	Upper
43	100		
61	0.5	27.8	41.6#
87	0.0	11.3	16.9#

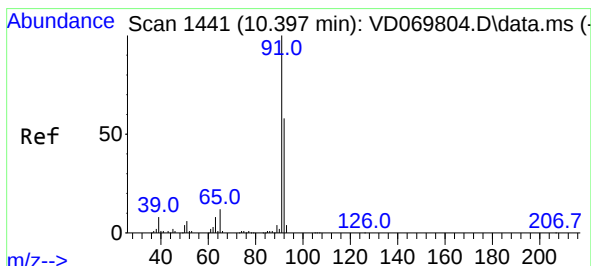
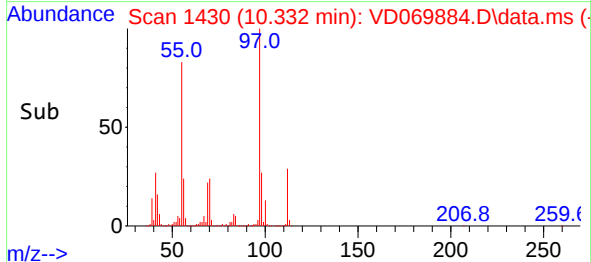
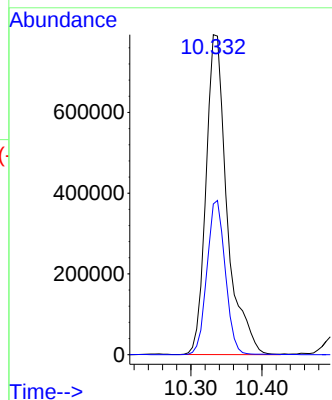
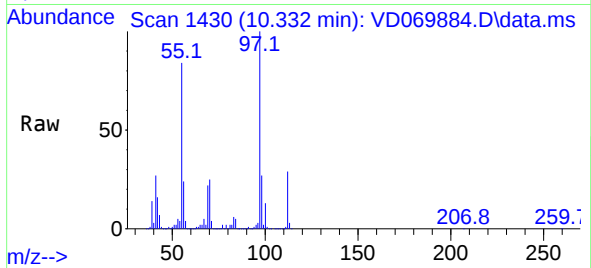




#50
Toluene-d8
Concen: 70.017 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

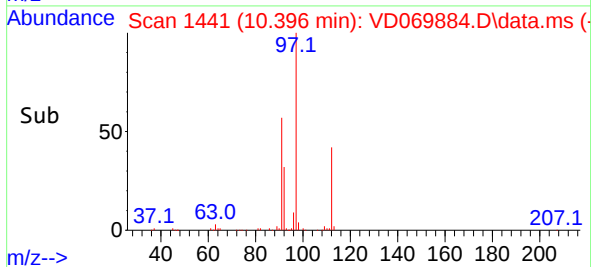
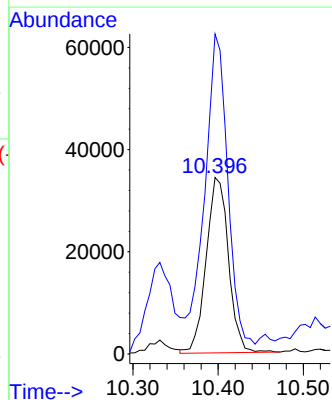
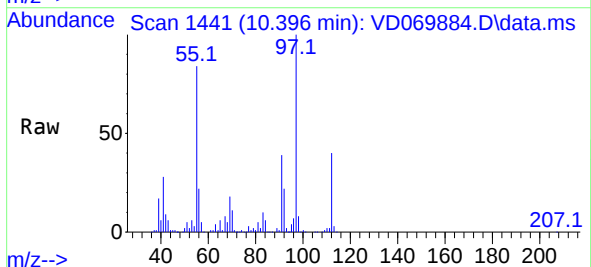
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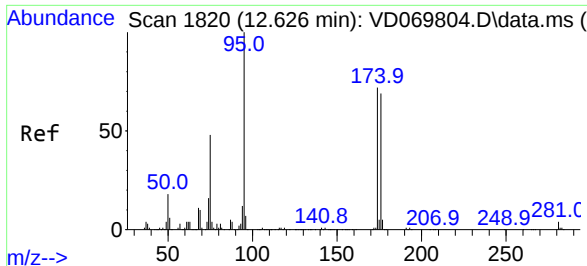
Tgt Ion: 98 Resp: 1634788
Ion Ratio Lower Upper
98 100
100 42.0 51.9 77.9#



#52
Toluene
Concen: 3.424 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion: 92 Resp: 62374
Ion Ratio Lower Upper
92 100
91 180.0 138.7 208.1

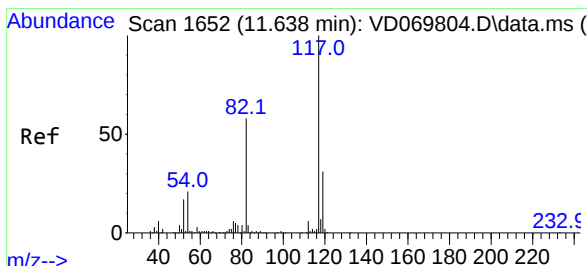
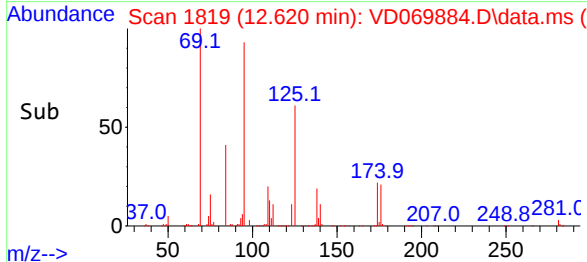
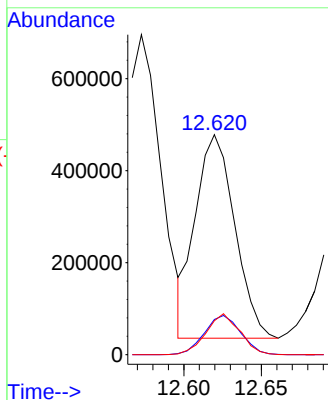
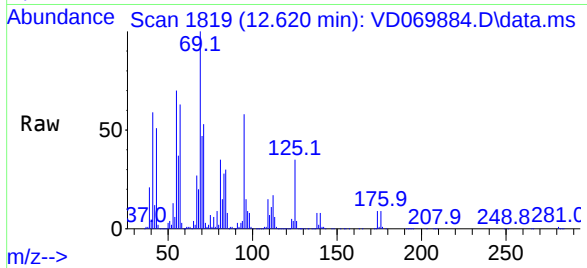




#62
4-Bromofluorobenzene
Concen: 100.680 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

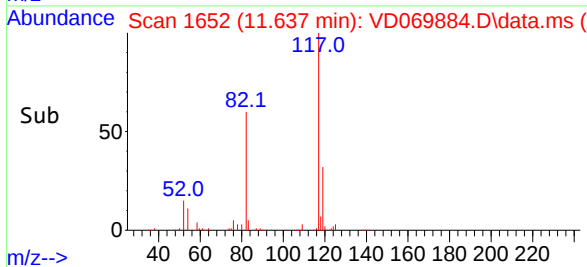
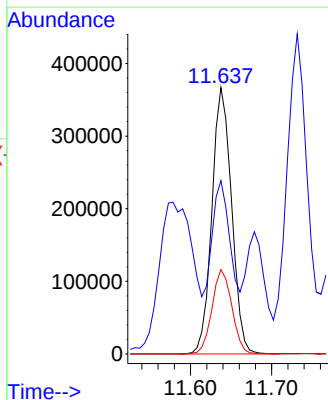
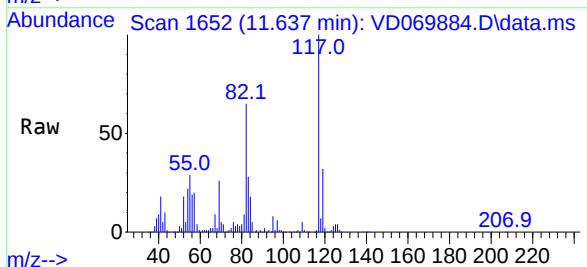
Instrument :
MSVOA_D
ClientSampleId :
WASTE

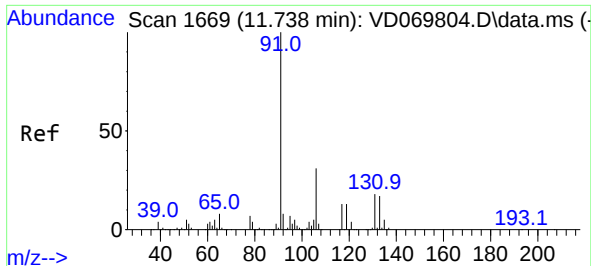
Tgt Ion: 95 Resp: 785624
Ion Ratio Lower Upper
95 100
174 17.8 0.0 142.6
176 17.3 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion: 117 Resp: 618418
Ion Ratio Lower Upper
117 100
82 44.5 46.3 69.5#
119 31.7 24.7 37.1

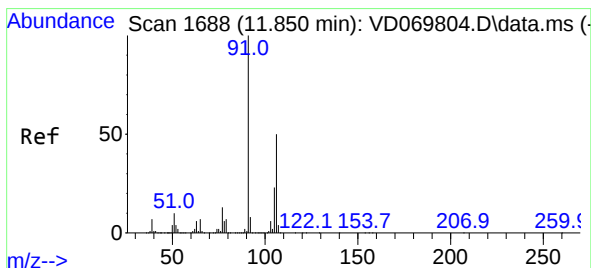
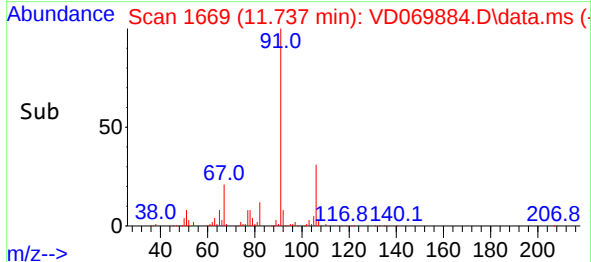
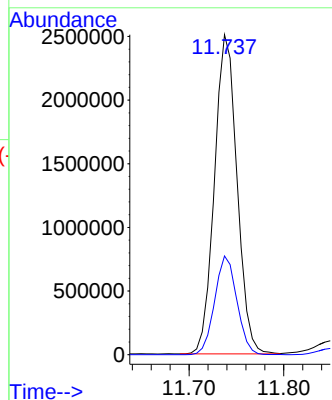
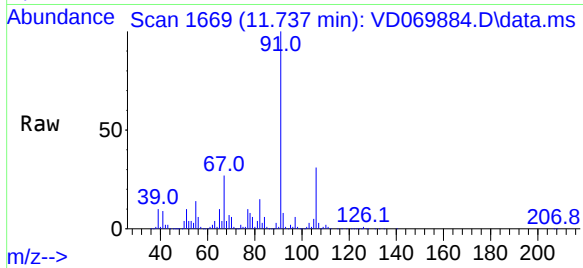




#67
Ethyl Benzene
Concen: 184.195 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

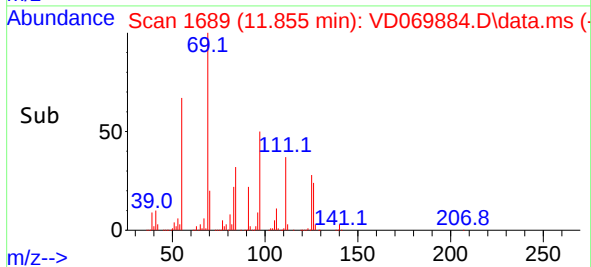
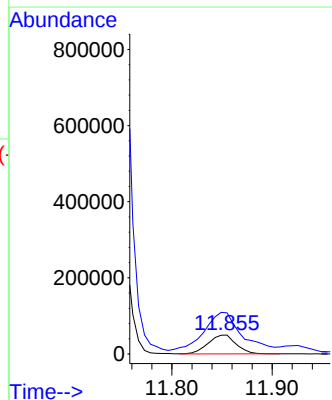
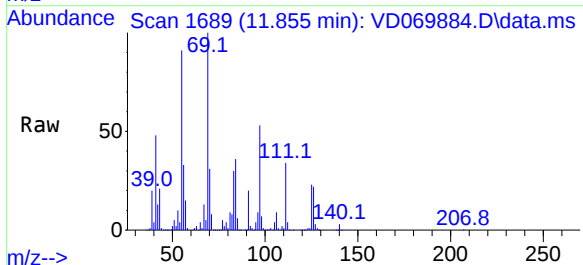
Instrument :
MSVOA_D
ClientSampleId :
WASTE

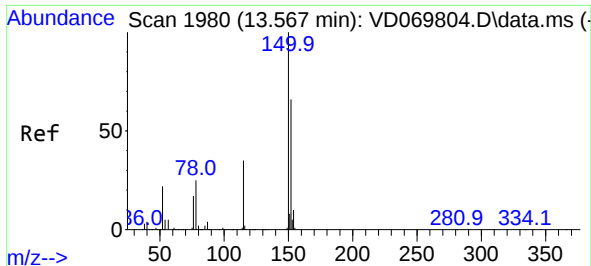
Tgt Ion: 91 Resp: 4154876
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 10.920 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion:106 Resp: 95489
Ion Ratio Lower Upper
106 100
91 261.8 162.4 243.6#

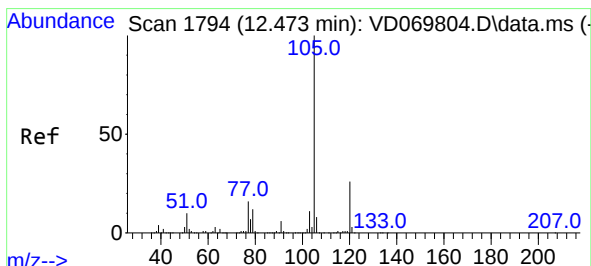
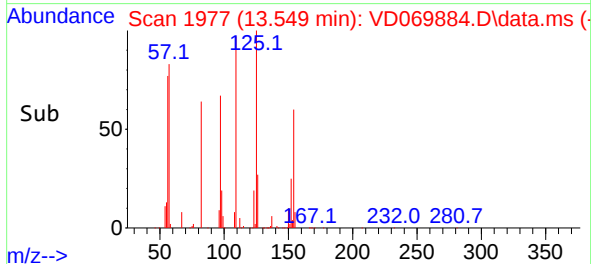
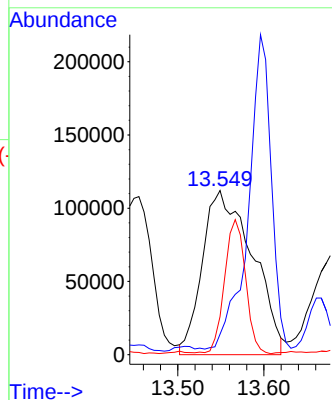
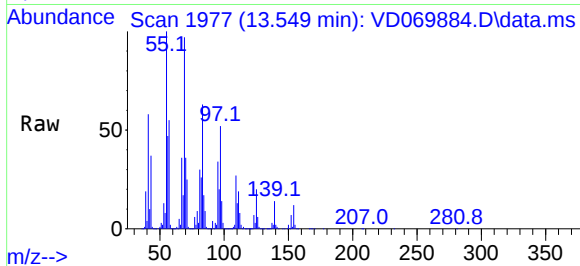




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.549 min Scan# 1977
Delta R.T. -0.018 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

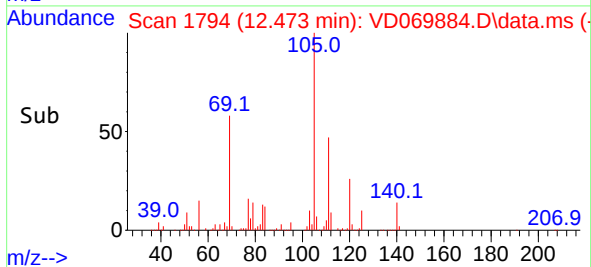
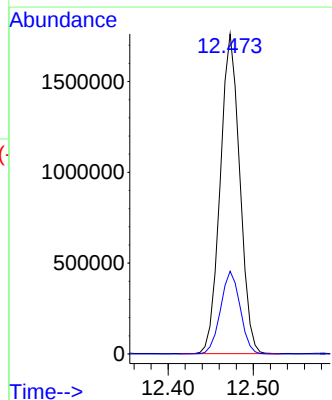
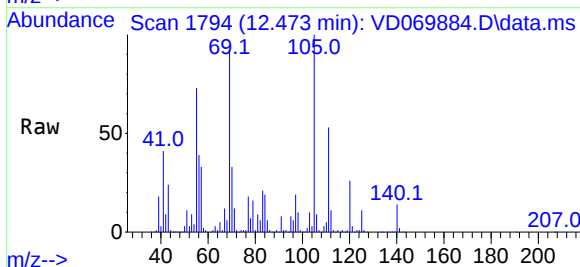
Instrument :
MSVOA_D
ClientSampled :
WASTE

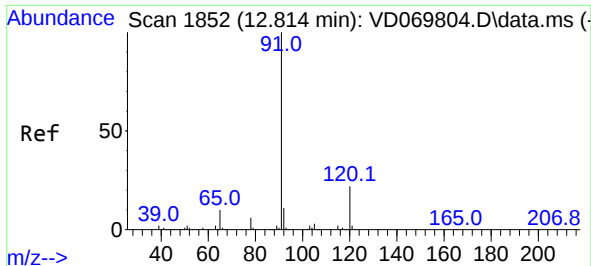
Tgt Ion:152 Resp: 451684
Ion Ratio Lower Upper
152 100
115 0.0 31.1 93.3#
150 0.0 0.0 343.0



#73
Isopropylbenzene
Concen: 86.529 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion:105 Resp: 2808217
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9

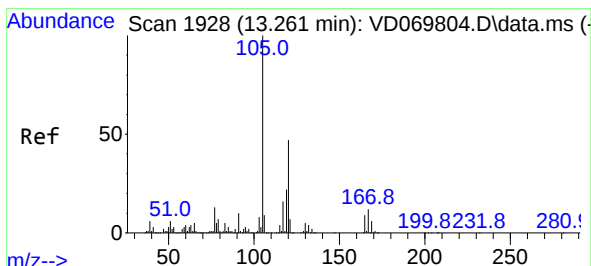
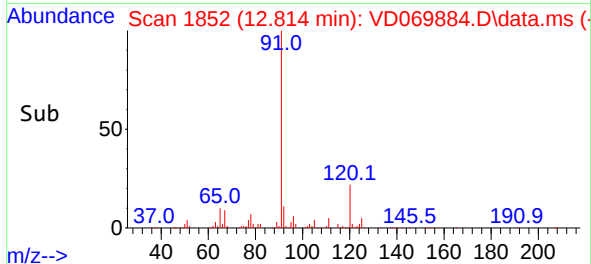
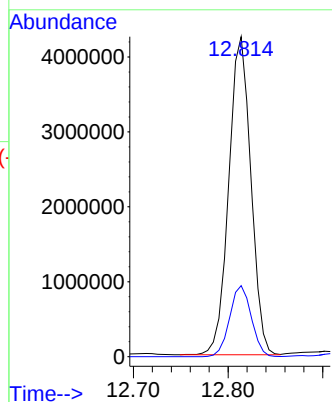
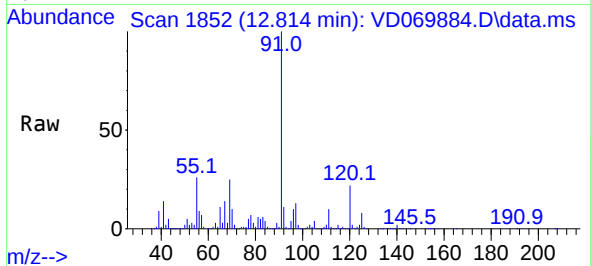




#78
n-propylbenzene
Concen: 165.082 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

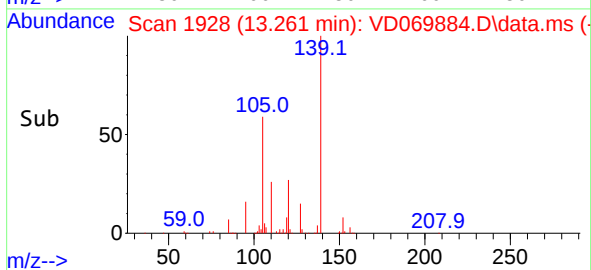
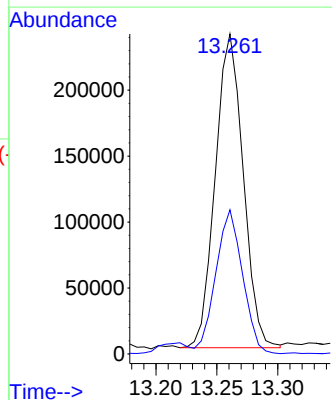
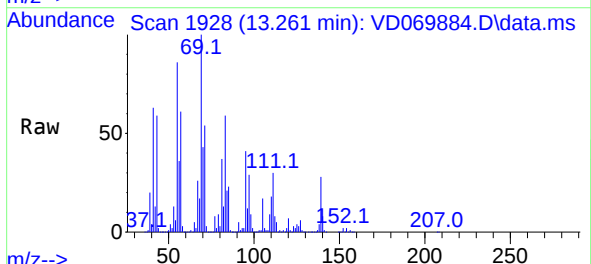
Instrument :
MSVOA_D
ClientSampleId :
WASTE

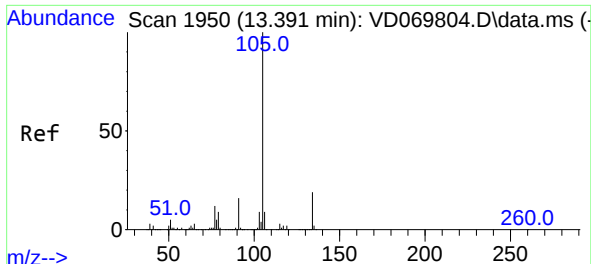
Tgt Ion: 91 Resp: 6881139
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.7



#84
1,2,4-Trimethylbenzene
Concen: 13.845 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion:105 Resp: 379192
Ion Ratio Lower Upper
105 100
120 44.0 22.6 67.8

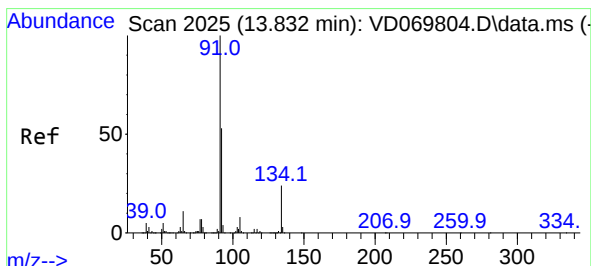
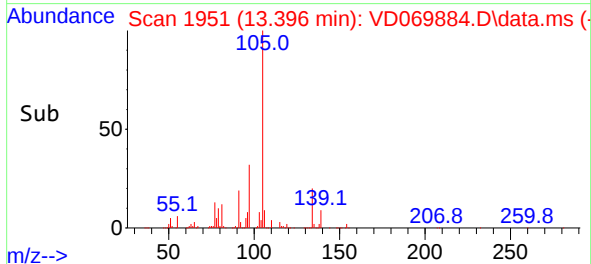
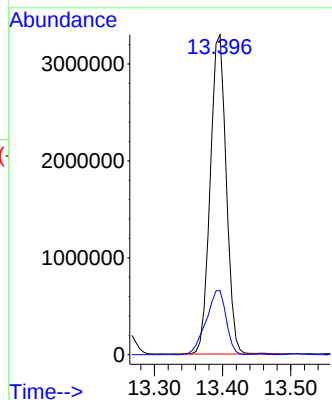
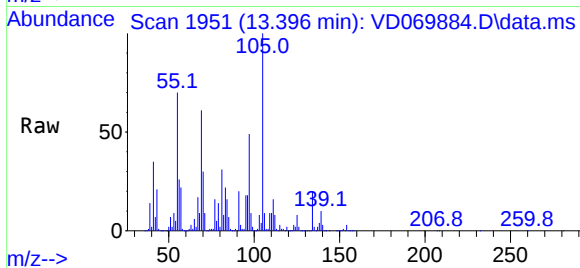




#85
sec-Butylbenzene
Concen: 150.606 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.005 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

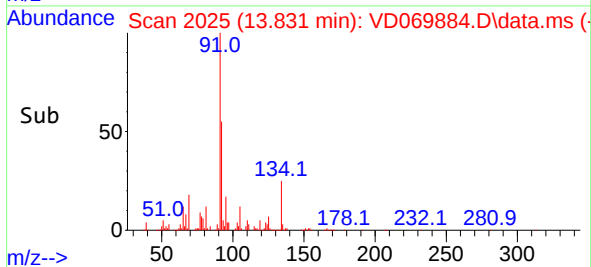
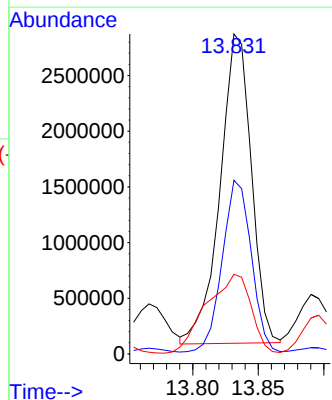
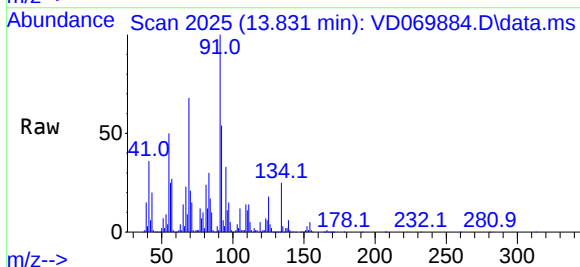
Instrument :
MSVOA_D
ClientSampleId :
WASTE

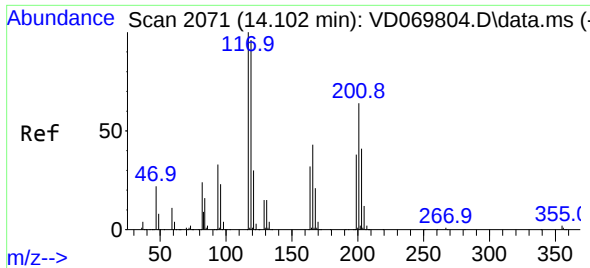
Tgt Ion:105 Resp: 5374097
Ion Ratio Lower Upper
105 100
134 25.2 9.6 28.6



#89
n-Butylbenzene
Concen: 160.933 ug/l
RT: 13.831 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion: 91 Resp: 4604287
Ion Ratio Lower Upper
91 100
92 51.6 26.6 79.7
134 36.9 11.9 35.7#

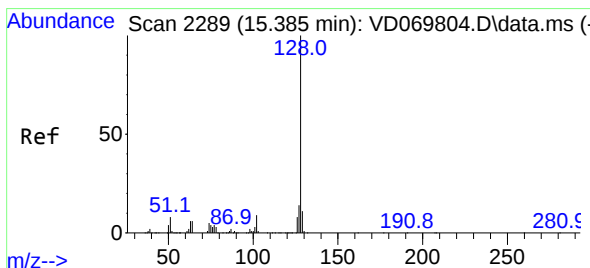
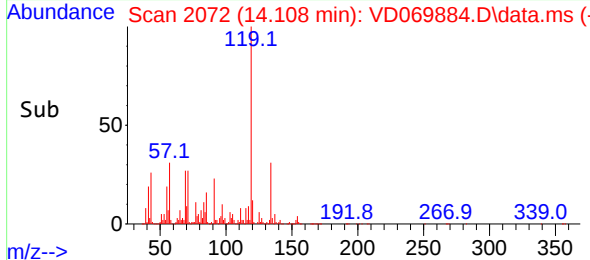
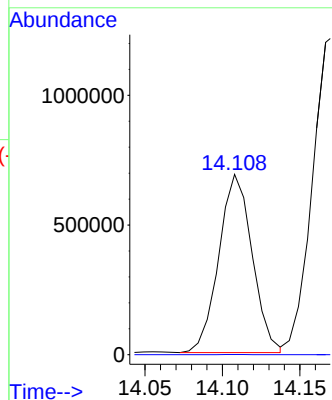
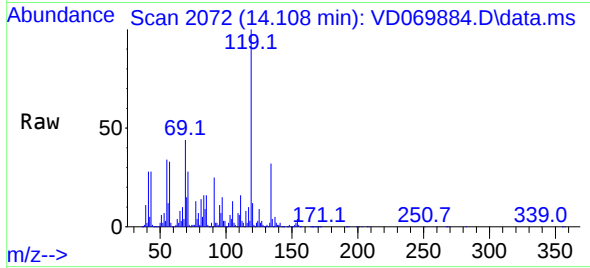




#90
Hexachloroethane
Concen: 167.793 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.005 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Instrument :
MSVOA_D
ClientSampled :
WASTE

Tgt Ion:117 Resp: 1030389
Ion Ratio Lower Upper
117 100
201 0.1 31.9 95.5#



#95
Naphthalene
Concen: 150.772 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069884.D
Acq: 28 Jul 2021 12:34

Tgt Ion:128 Resp: 2391182
Ion Ratio Lower Upper
128 100
127 17.1 10.6 16.0#
129 7.4 8.6 12.8#

