

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068173.D
 Acq On : 25 Jan 2021 17:18
 Operator : VA/SY
 Sample : M1190-01
 Misc : 4.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

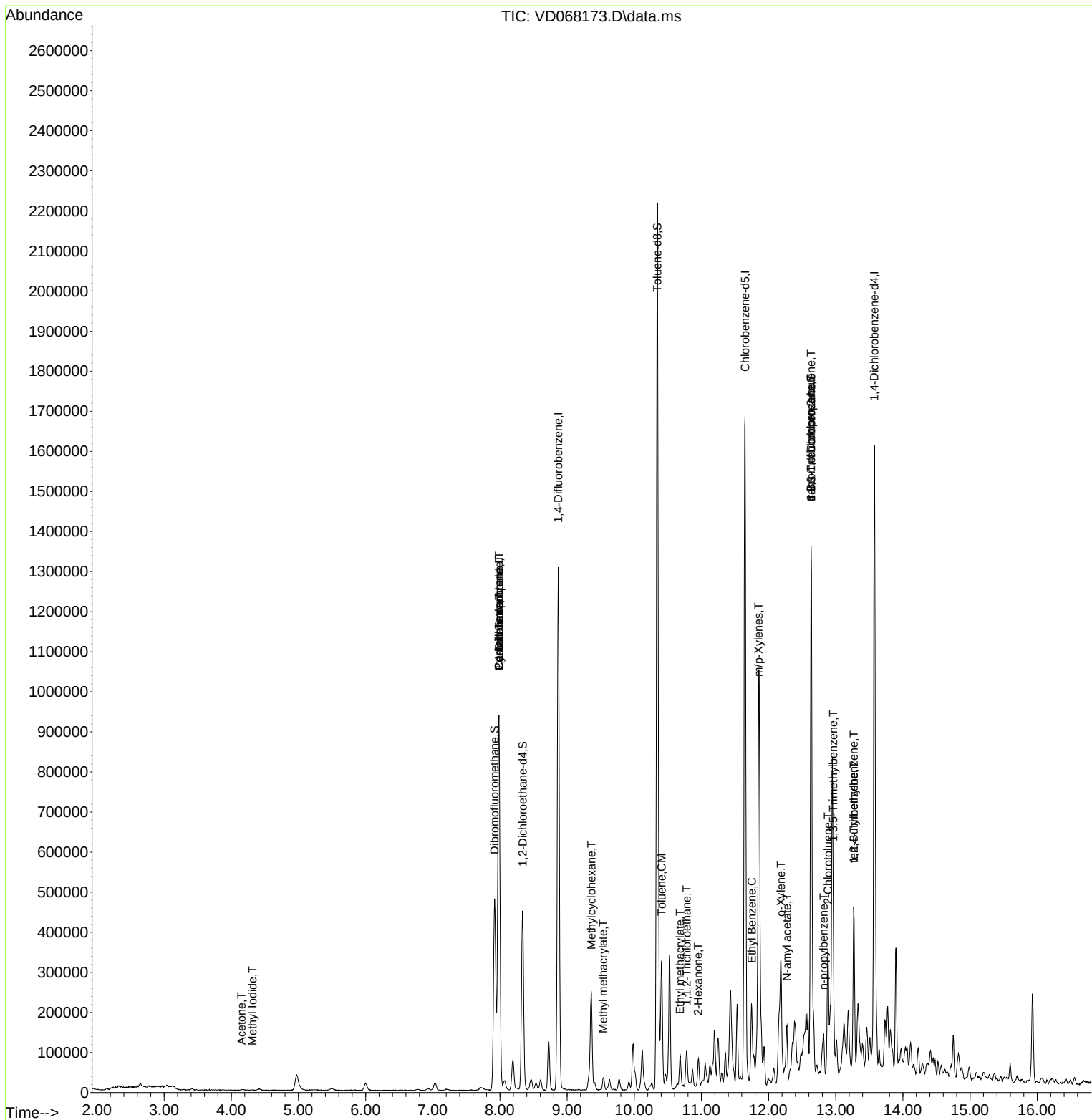
Quant Time: Jan 26 00:09:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

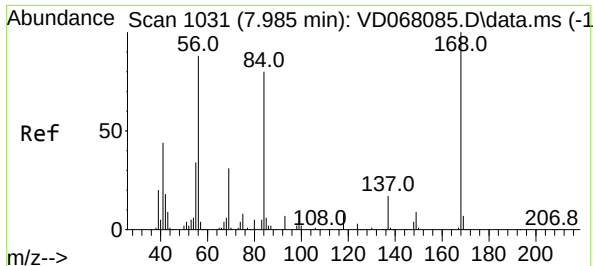
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	694466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1201164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	1029714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	416742	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	357252	53.78	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.56%			
35) Dibromofluoromethane	7.920	113	350299	52.75	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.50%			
50) Toluene-d8	10.344	98	1446850	54.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.94%			
62) 4-Bromofluorobenzene	12.632	95	462946	48.40	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.80%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	215	3.18	ug/l #	38
11) Tert butyl alcohol	5.209	59	937	Below Cal		96
16) Acetone	4.150	43	2017	1.70	ug/l #	77
20) Methylene Chloride	4.968	84	31897	Below Cal		94
31) Cyclohexane	7.985	56	47037	3.27	ug/l #	65
36) 1,1-Dichloropropene	7.985	75	51826	4.28	ug/l #	47
38) Carbon Tetrachloride	7.985	117	66769	5.89	ug/l #	16
39) Methylcyclohexane	9.361	83	108844	6.87	ug/l	96
48) Methyl methacrylate	9.538	41	8049	1.81	ug/l #	65
52) Toluene	10.408	92	140582	6.37	ug/l	96
55) 1,1,2-Trichloroethane	10.779	97	40721	6.84	ug/l #	22
56) Ethyl methacrylate	10.679	69	8319	1.05	ug/l #	1
59) 2-Hexanone	10.950	43	29748	10.34	ug/l #	23
67) Ethyl Benzene	11.750	91	131658	3.25	ug/l	99
68) m/p-Xylenes	11.850	106	178561	11.68	ug/l	100
69) o-Xylene	12.185	106	71347	5.02	ug/l	97
74) N-amyl acetate	12.273	43	28652	3.98	ug/l #	43
76) 1,2,3-Trichloropropane	12.632	75	226991	56.33	ug/l #	100
78) n-propylbenzene	12.820	91	75868	1.85	ug/l	96
79) 2-Chlorotoluene	12.885	91	31907	1.39	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.961	105	76745	2.66	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.632	75	226991	113.99	ug/l #	14
83) tert-Butylbenzene	13.267	119	32099	1.31	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.267	105	235547	8.22	ug/l	97

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

Quant Time: Jan 26 00:09:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

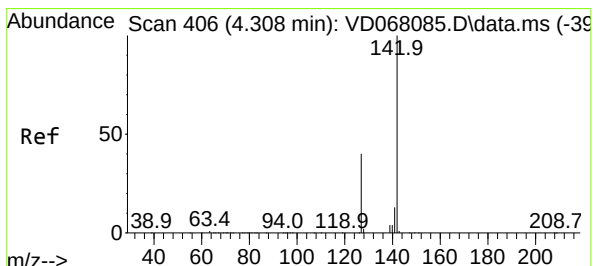
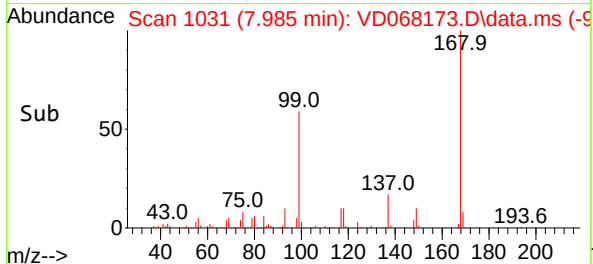
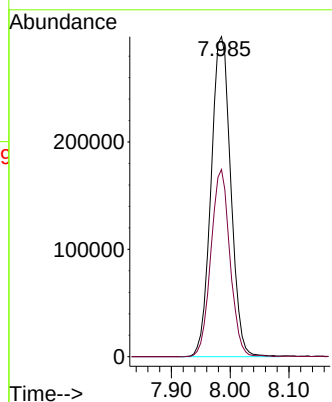
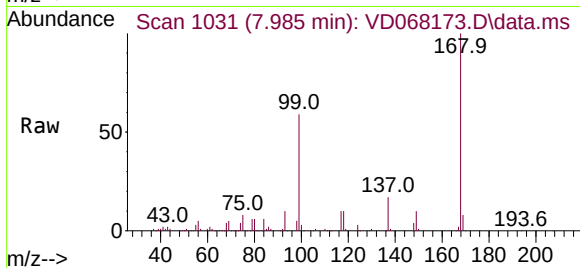




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

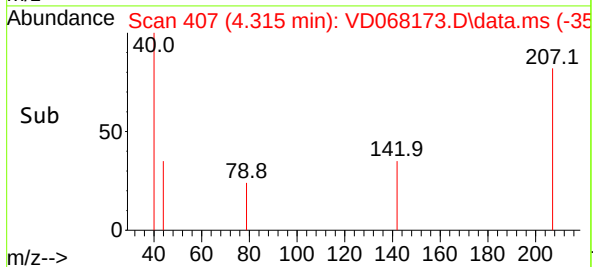
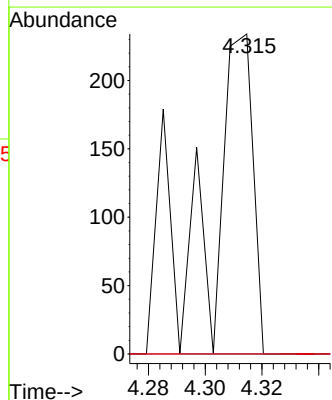
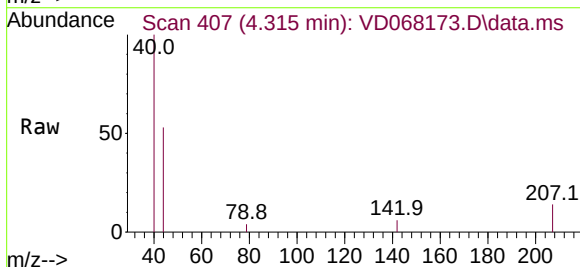
Instrument :
MSVOA_D
ClientSampled :

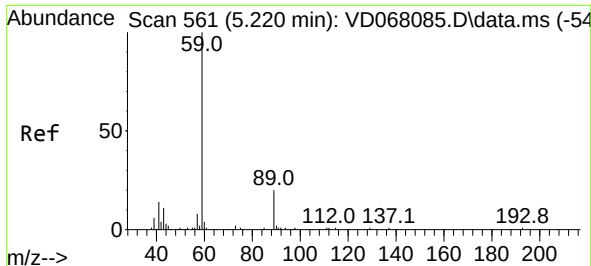
Tgt Ion:168 Resp: 694466
Ion Ratio Lower Upper
168 100
99 58.5 43.5 65.3



#10
Methyl Iodide
Concen: 3.18 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion:142 Resp: 215
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

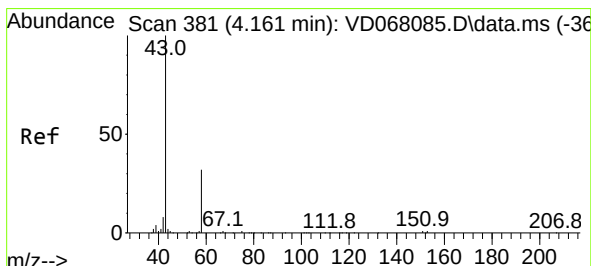
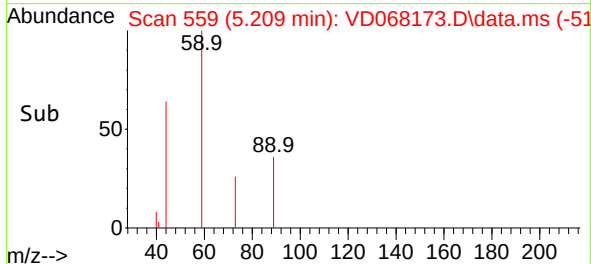
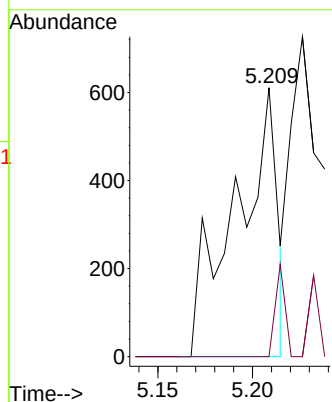
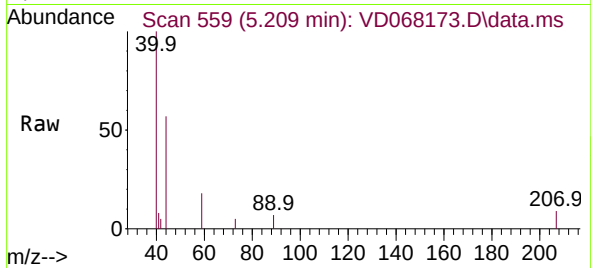




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

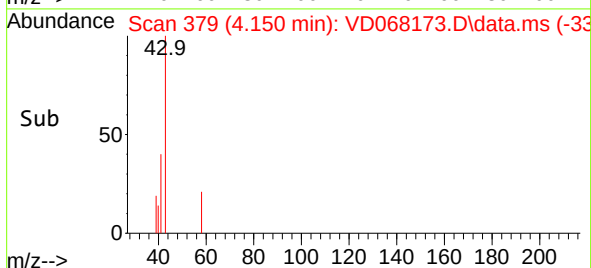
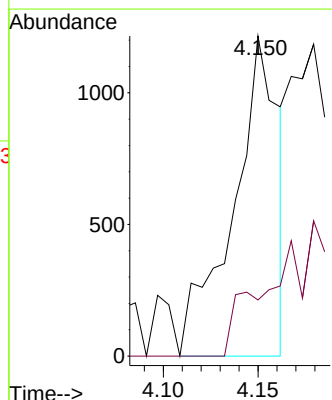
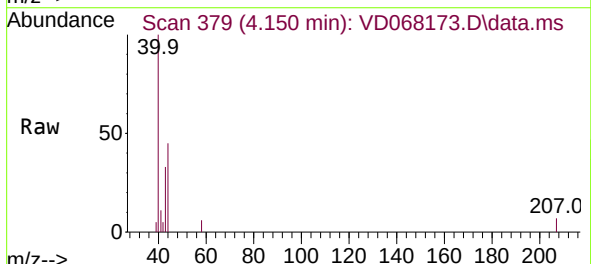
Instrument :
MSVOA_D
ClientSampleId :

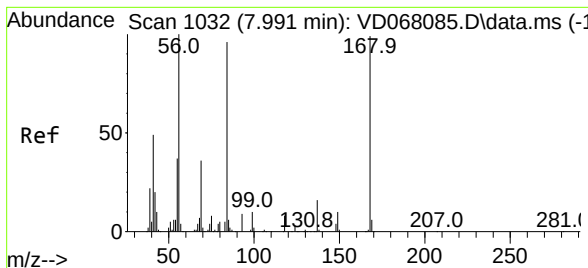
Tgt Ion: 59 Resp: 937
Ion Ratio Lower Upper
59 100
57 7.9 7.4 11.2



#16
Acetone
Concen: 1.70 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.011 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
58 17.5 24.2 36.4#

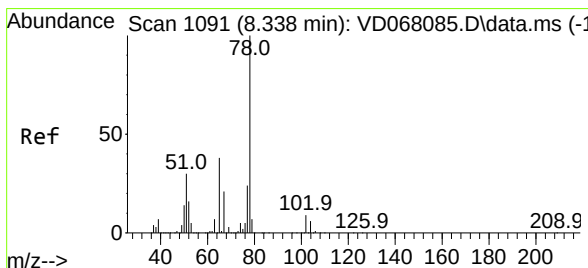
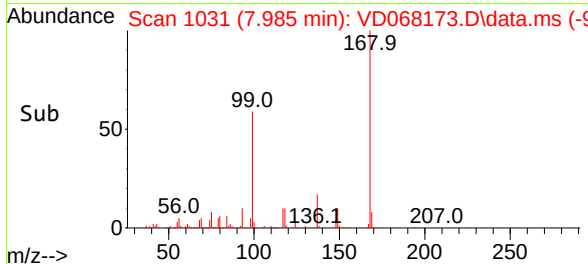
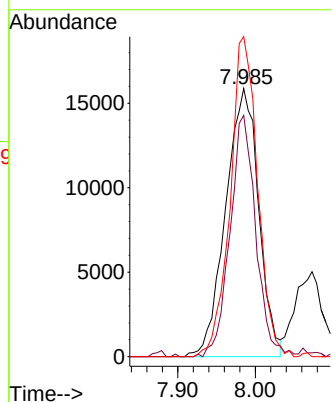
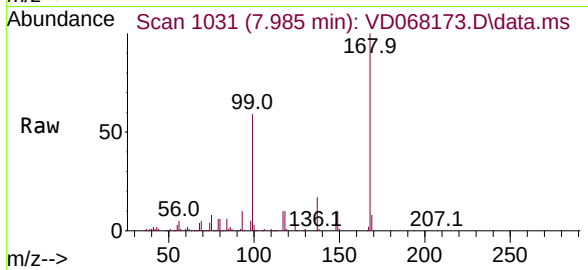




#31
Cyclohexane
Concen: 3.27 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

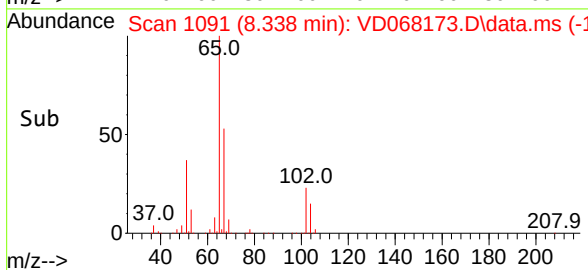
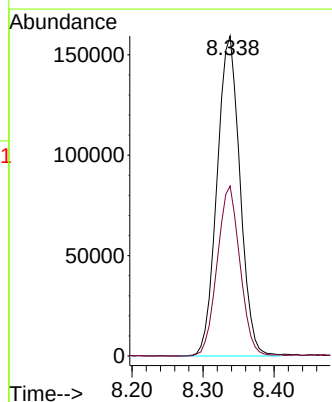
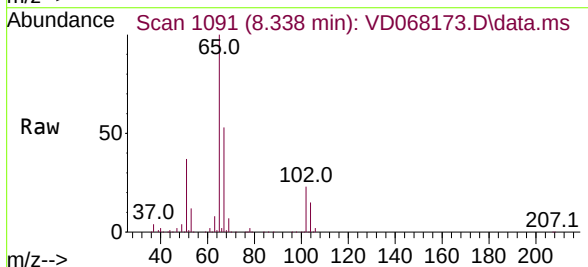
Instrument :
MSVOA_D
ClientSampled :

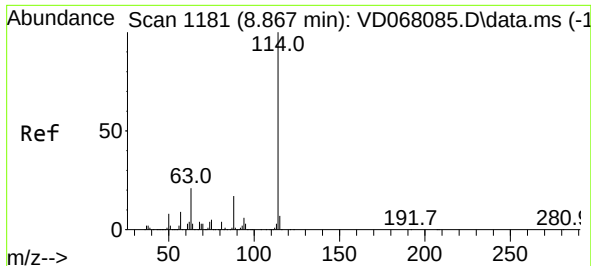
Tgt Ion: 56 Resp: 47037
Ion Ratio Lower Upper
56 100
69 90.0 30.1 45.1#
84 119.3 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 53.78 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion: 65 Resp: 357252
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

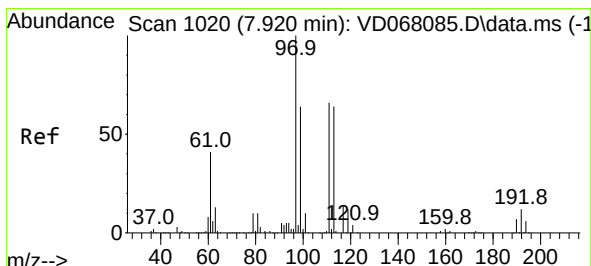
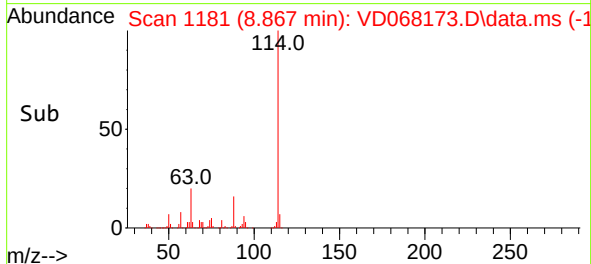
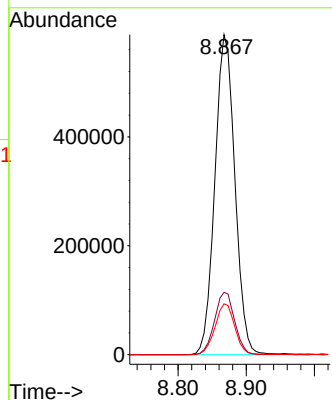
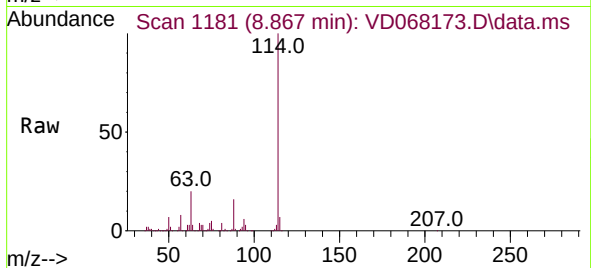
Lab File: VD068173.D

Acq: 25 Jan 2021 17:18

Tgt Ion:114 Resp: 1201164

Ion Ratio Lower Upper

114	100		
63	19.5	0.0	34.8
88	15.9	0.0	31.6



#35

Dibromofluoromethane

Concen: 52.75 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

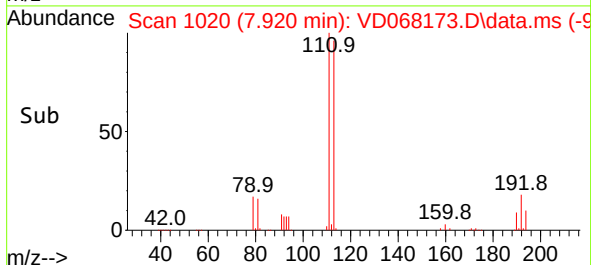
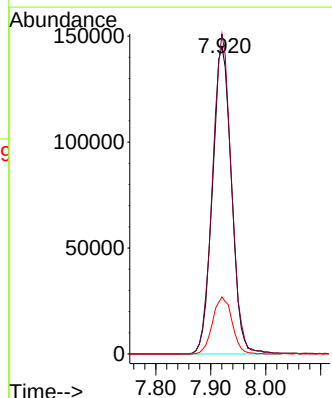
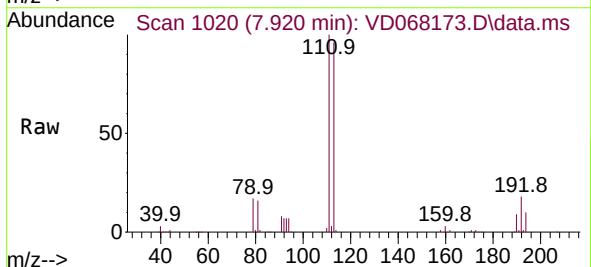
Lab File: VD068173.D

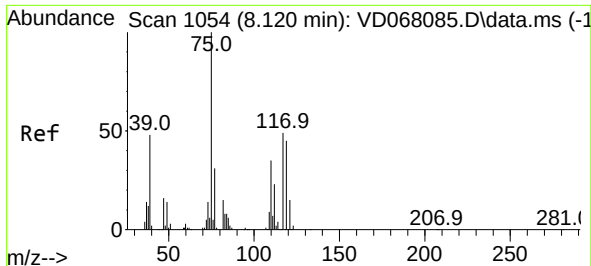
Acq: 25 Jan 2021 17:18

Tgt Ion:113 Resp: 350299

Ion Ratio Lower Upper

113	100		
111	102.9	81.4	122.0
192	18.9	16.1	24.1

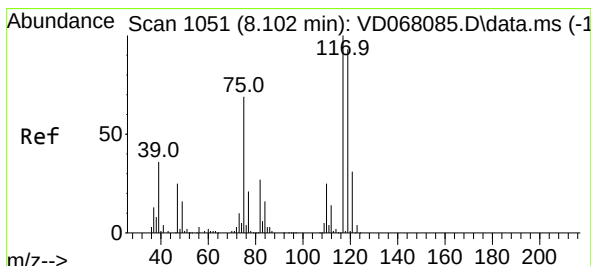
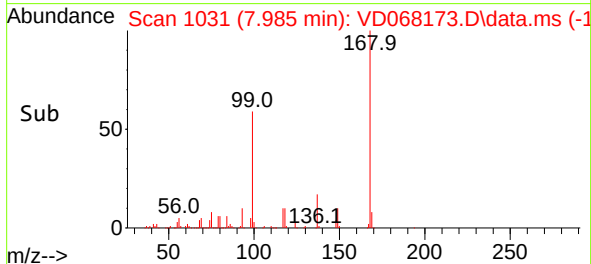
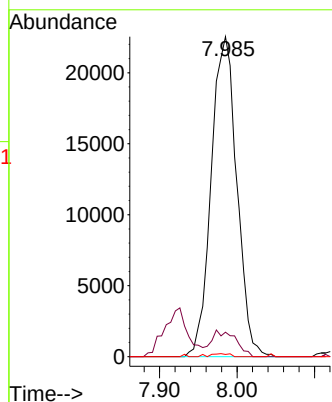
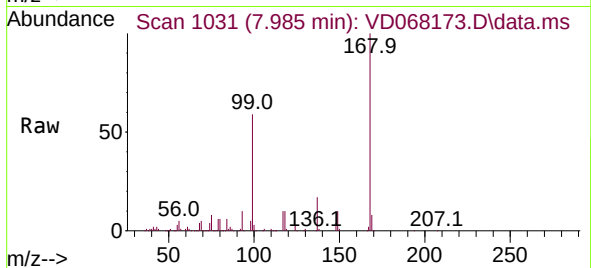




#36
1,1-Dichloropropene
Concen: 4.28 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

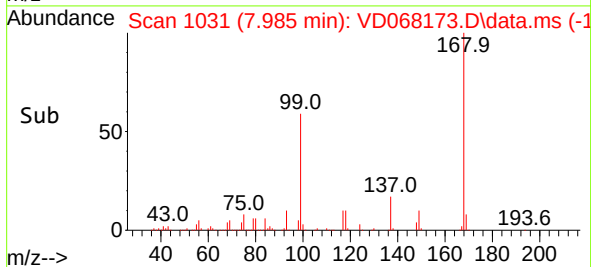
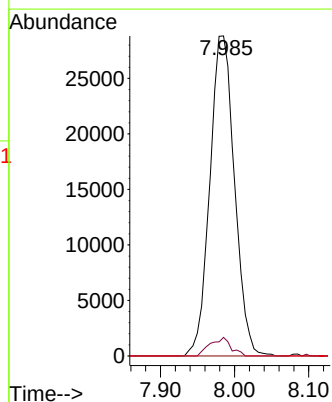
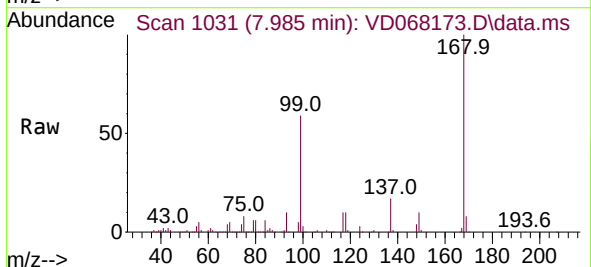
Instrument :
MSVOA_D
ClientSampled :

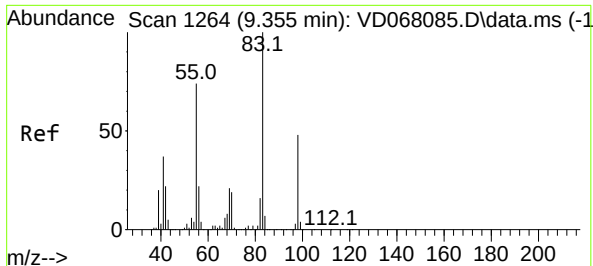
Tgt Ion: 75 Resp: 51826
Ion Ratio Lower Upper
75 100
110 7.9 19.4 58.2#
77 0.7 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.89 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion: 117 Resp: 66769
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 6.87 ug/l

RT: 9.361 min Scan# 1265

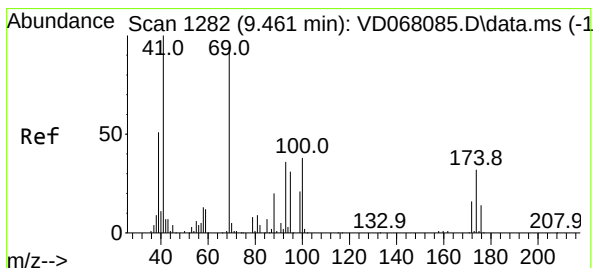
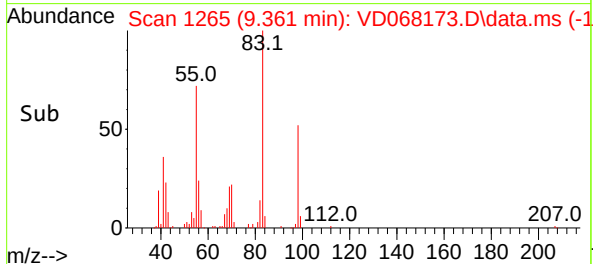
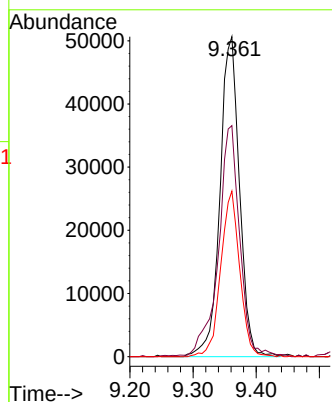
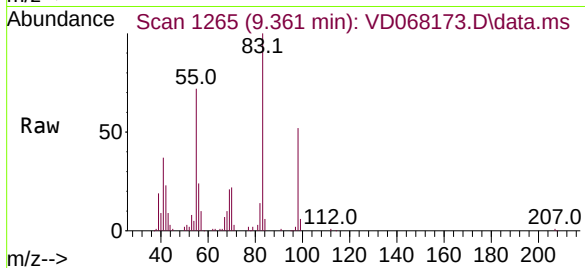
Delta R.T. 0.006 min

Lab File: VD068173.D

Acq: 25 Jan 2021 17:18

Tgt Ion: 83 Resp: 108844

Ion	Ratio	Lower	Upper
83	100		
55	71.7	55.2	82.8
98	51.7	39.1	58.7



#48

Methyl methacrylate

Concen: 1.81 ug/l

RT: 9.538 min Scan# 1295

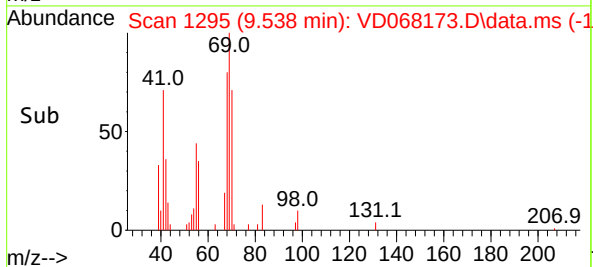
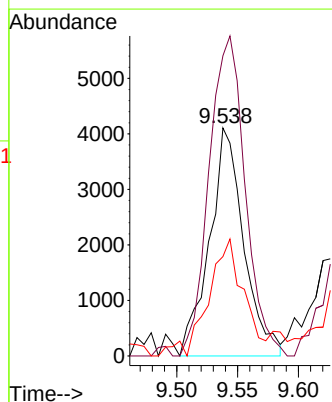
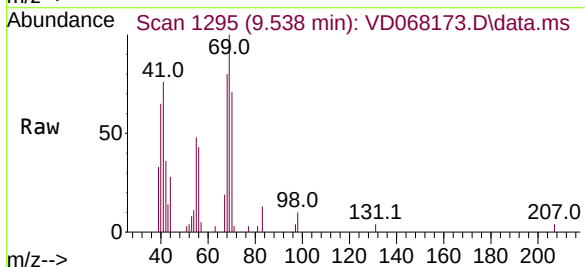
Delta R.T. 0.077 min

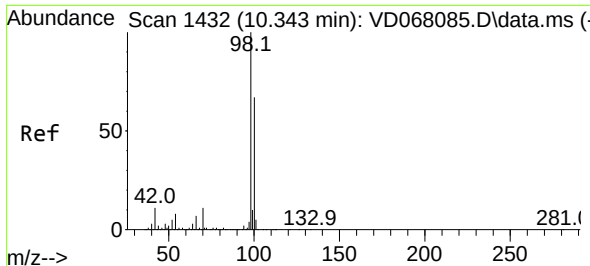
Lab File: VD068173.D

Acq: 25 Jan 2021 17:18

Tgt Ion: 41 Resp: 8049

Ion	Ratio	Lower	Upper
41	100		
69	147.9	77.1	115.7#
39	53.4	41.5	62.3

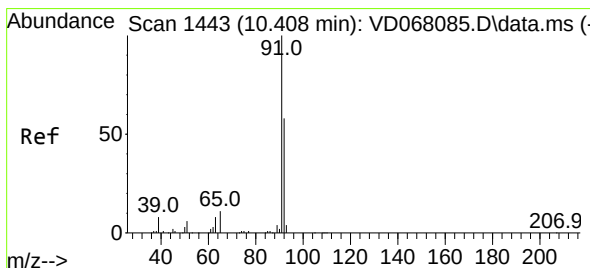
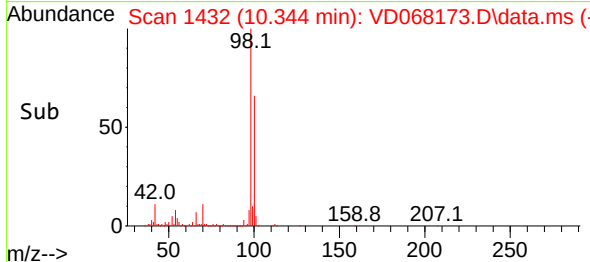
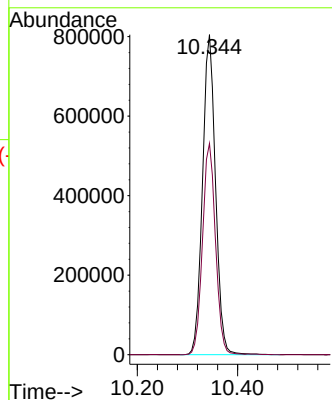
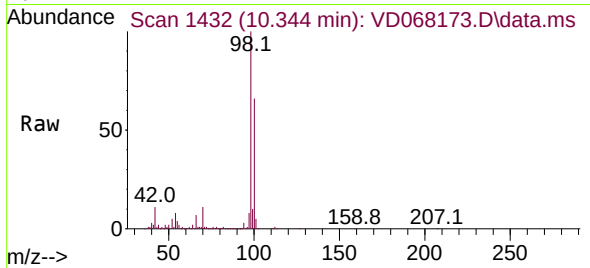




#50
Toluene-d8
Concen: 54.47 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

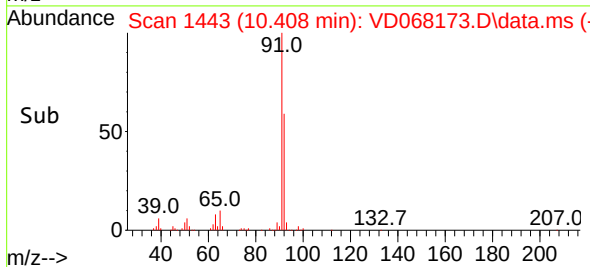
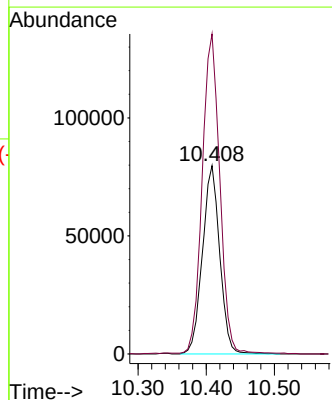
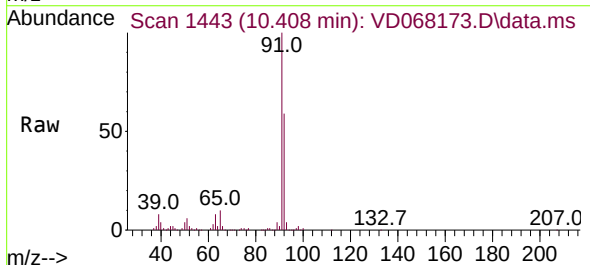
Instrument :
MSVOA_D
ClientSampled :

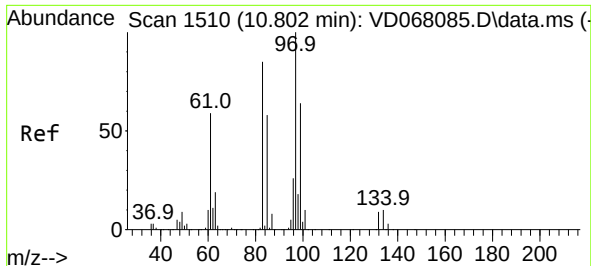
Tgt Ion: 98 Resp: 1446850
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#52
Toluene
Concen: 6.37 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

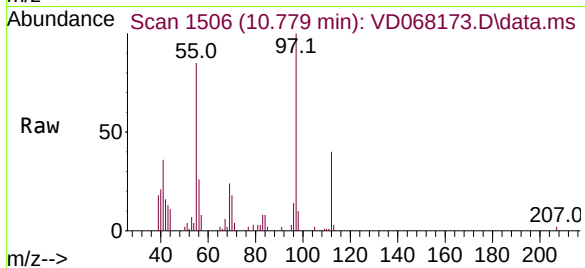
Tgt Ion: 92 Resp: 140582
Ion Ratio Lower Upper
92 100
91 173.6 134.1 201.1



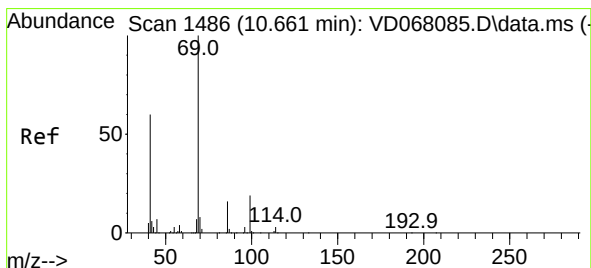
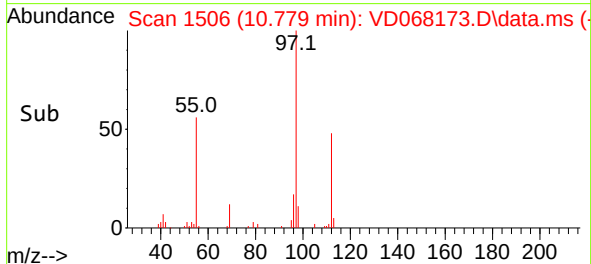
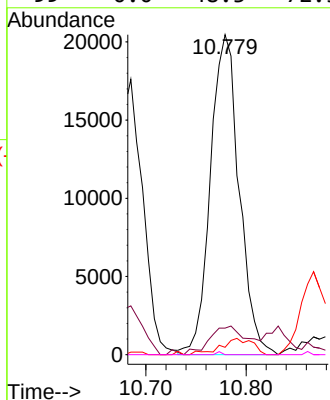


#55
1,1,2-Trichloroethane
Concen: 6.84 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.023 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Instrument :
MSVOA_D
ClientSampled :

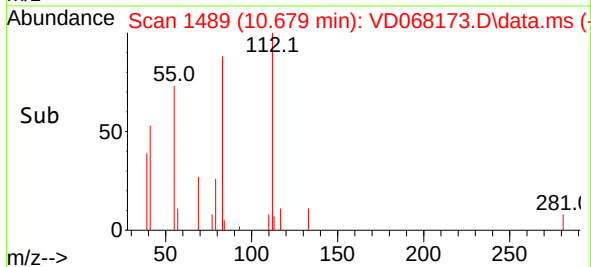
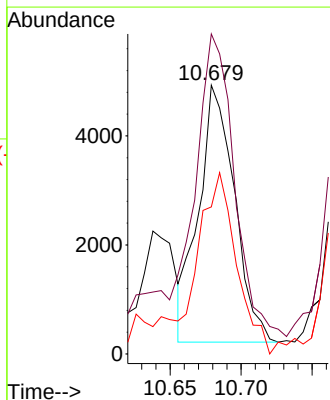
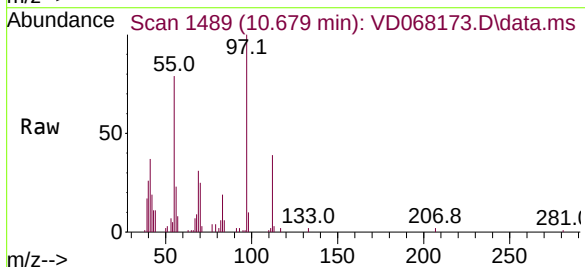


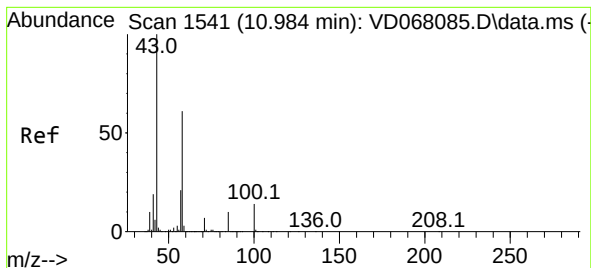
Tgt Ion:	97	Resp:	40721
Ion	Ratio	Lower	Upper
97	100		
83	7.5	61.8	92.6#
85	2.3	42.2	63.2#
99	0.0	48.3	72.5#



#56
Ethyl methacrylate
Concen: 1.05 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion:	69	Resp:	8319
Ion	Ratio	Lower	Upper
69	100		
41	144.6	44.9	67.3#
39	65.4	21.9	32.9#

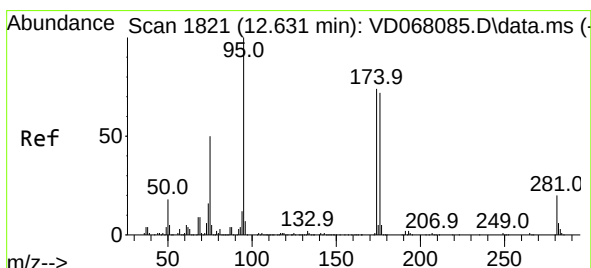
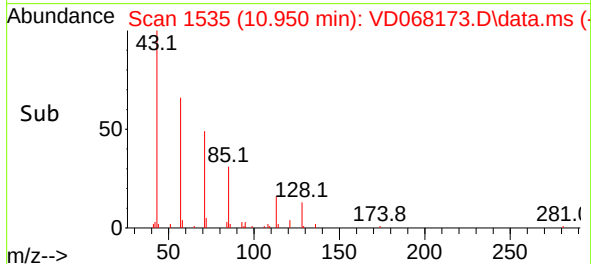
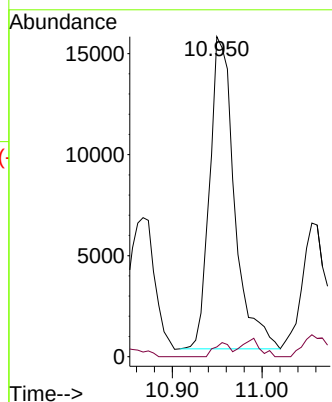
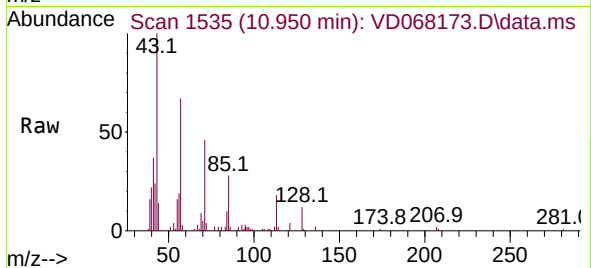




#59
2-Hexanone
Concen: 10.34 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

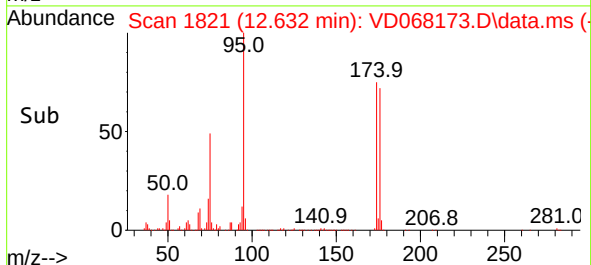
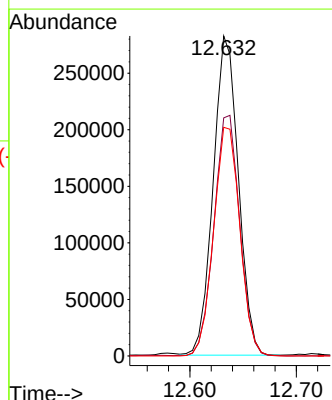
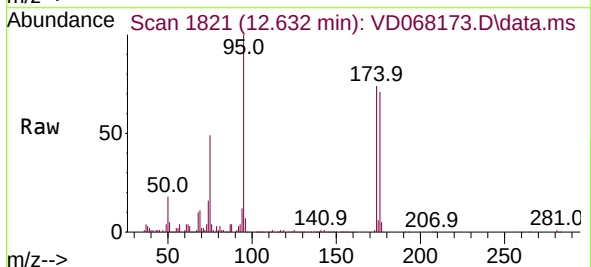
Instrument :
MSVOA_D
ClientSampled :

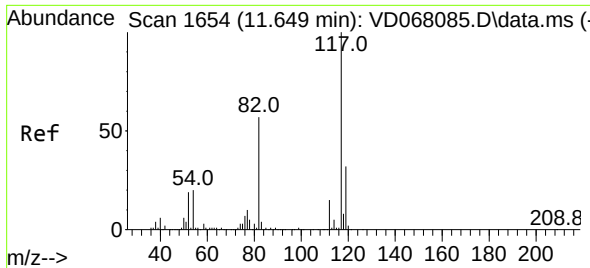
Tgt Ion: 43 Resp: 29748
Ion Ratio Lower Upper
43 100
58 2.9 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 48.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

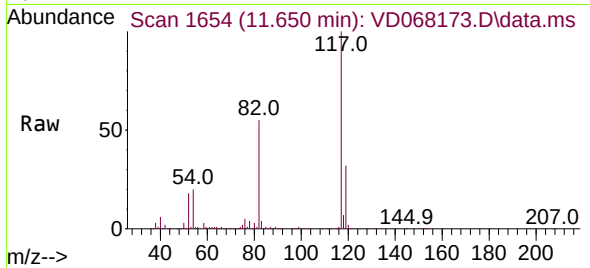
Tgt Ion: 95 Resp: 462946
Ion Ratio Lower Upper
95 100
174 77.1 0.0 172.4
176 74.8 0.0 168.4



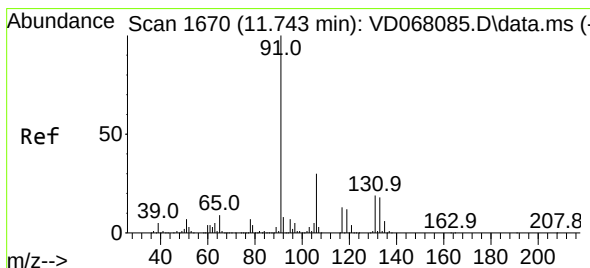
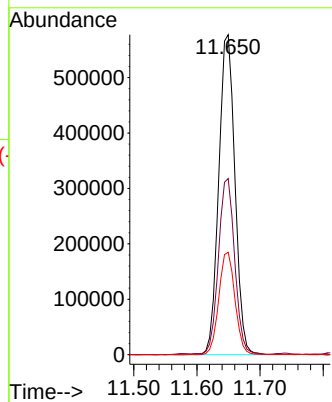
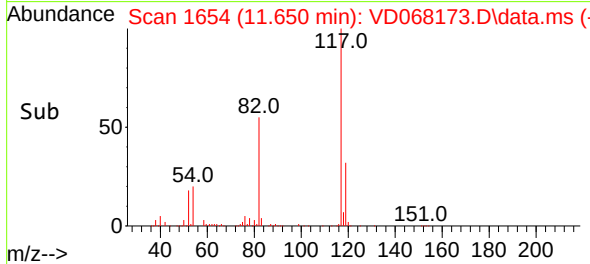


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.001 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

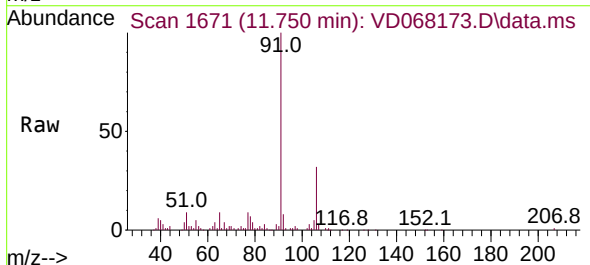
Instrument :
MSVOA_D
ClientSampleId :



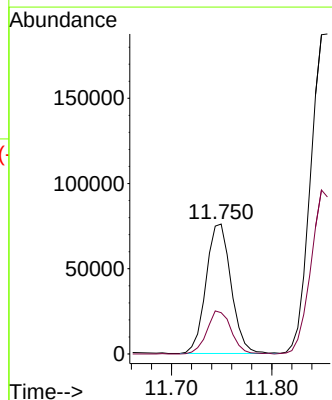
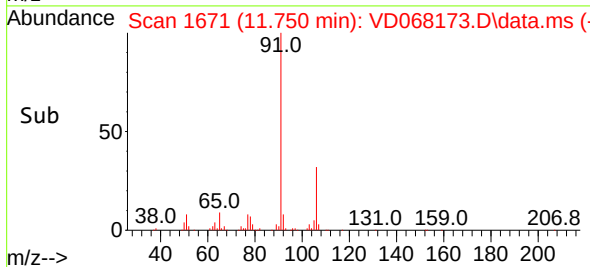
Tgt Ion:117 Resp: 1029714
Ion Ratio Lower Upper
117 100
82 54.7 41.4 62.0
119 32.0 26.1 39.1

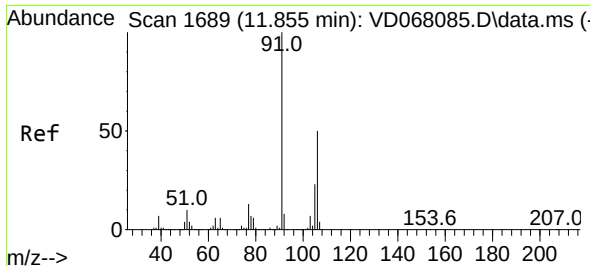


#67
Ethyl Benzene
Concen: 3.25 ug/l
RT: 11.750 min Scan# 1671
Delta R.T. 0.006 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18



Tgt Ion: 91 Resp: 131658
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9

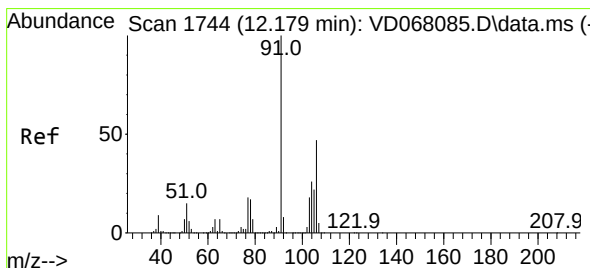
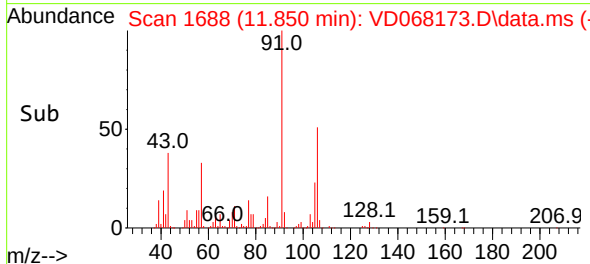
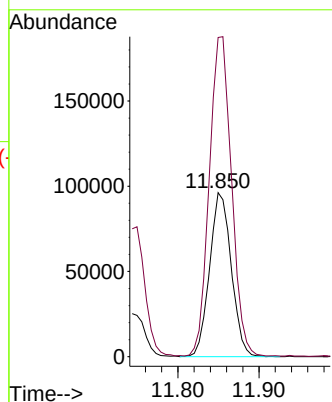
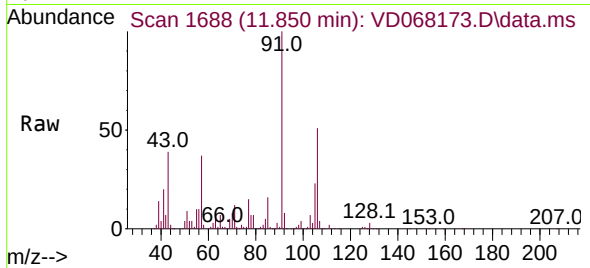




#68
m/p-Xylenes
Concen: 11.68 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

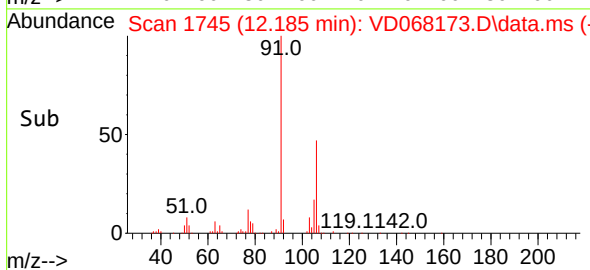
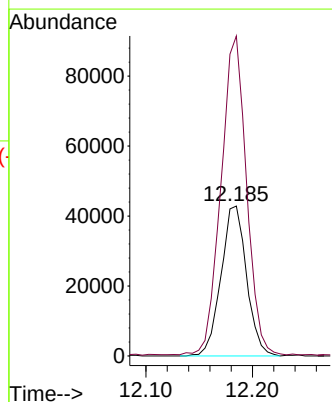
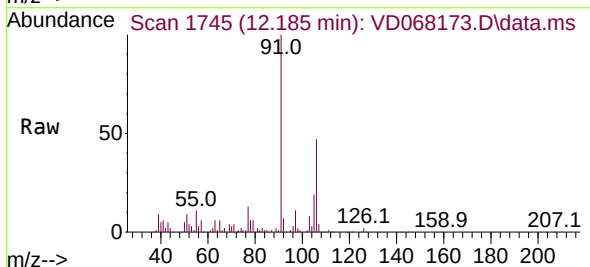
Instrument :
MSVOA_D
ClientSampled :

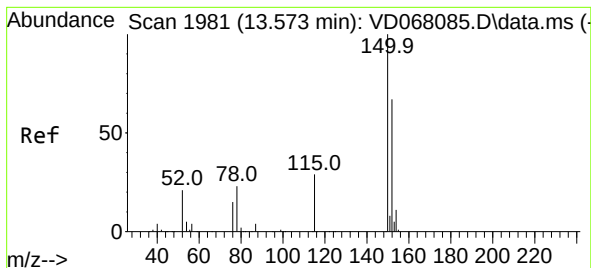
Tgt Ion:106 Resp: 178561
Ion Ratio Lower Upper
106 100
91 199.6 159.1 238.7



#69
o-Xylene
Concen: 5.02 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.006 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion:106 Resp: 71347
Ion Ratio Lower Upper
106 100
91 211.9 108.7 325.9

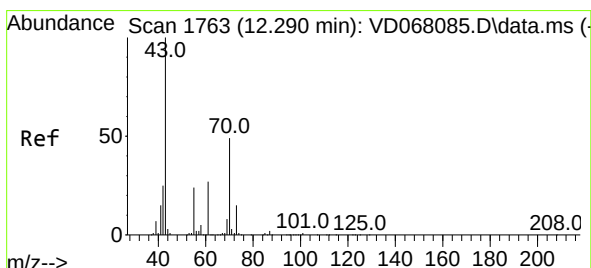
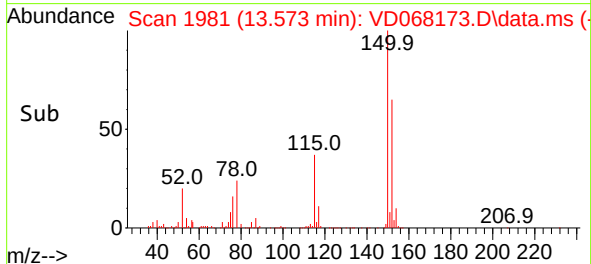
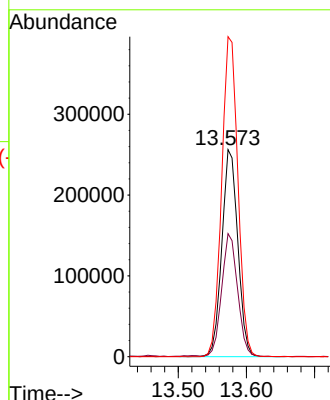
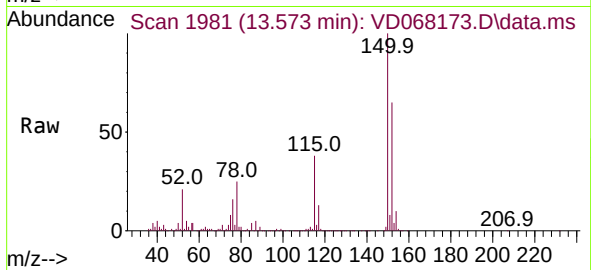




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

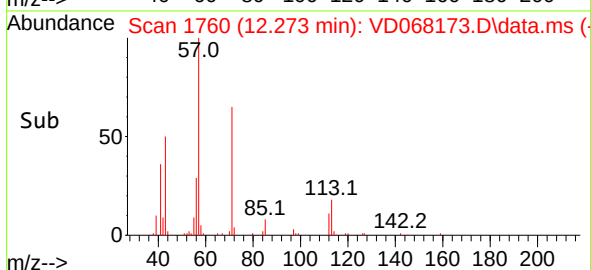
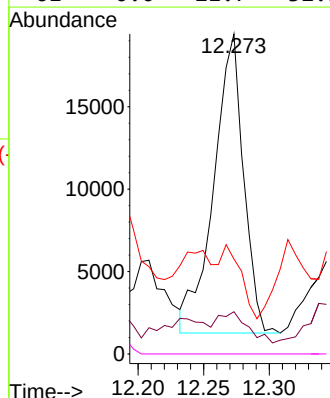
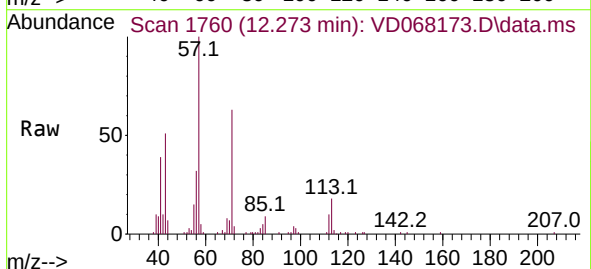
Instrument :
MSVOA_D
ClientSampled :

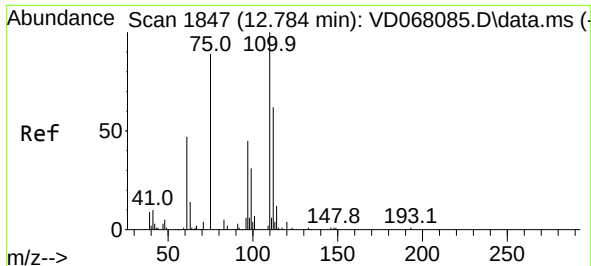
Tgt Ion:152 Resp: 416742
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 157.4 0.0 344.4



#74
N-ethyl acetate
Concen: 3.98 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.017 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion: 43 Resp: 28652
Ion Ratio Lower Upper
43 100
70 10.1 41.8 62.8#
55 0.0 24.2 36.4#
61 0.0 21.7 32.5#

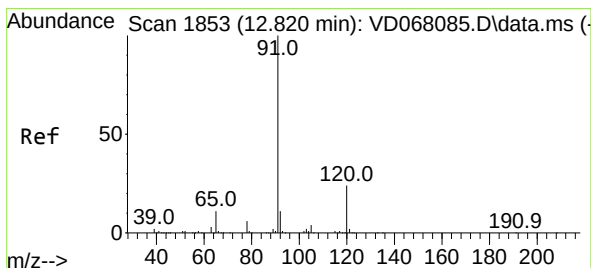
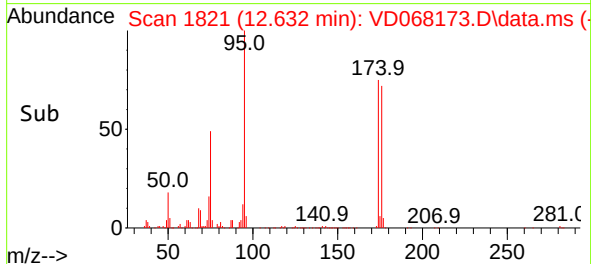
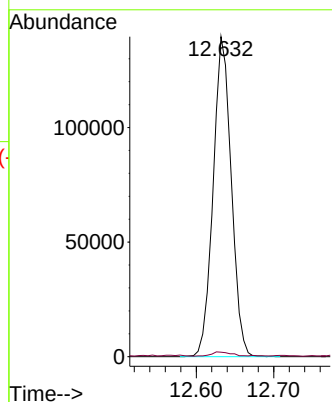
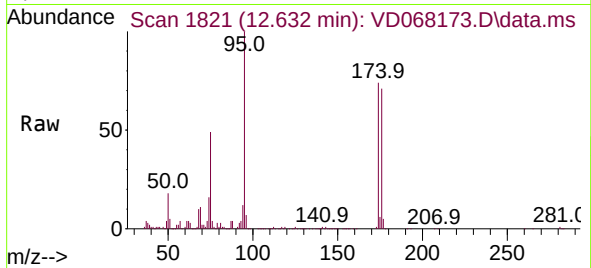




#76
1,2,3-Trichloropropane
Concen: 56.33 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

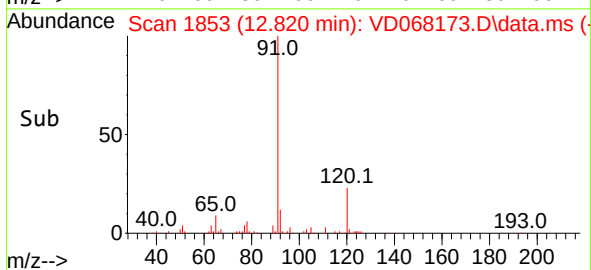
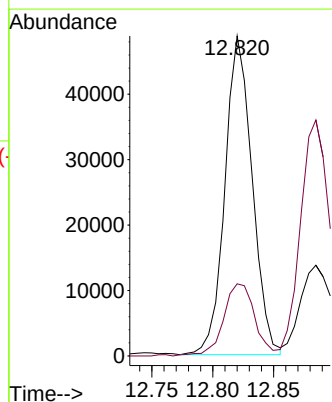
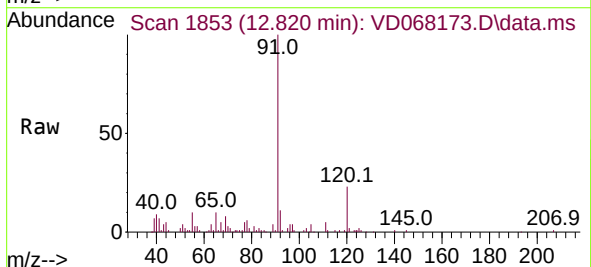
Instrument :
MSVOA_D
ClientSampleId :

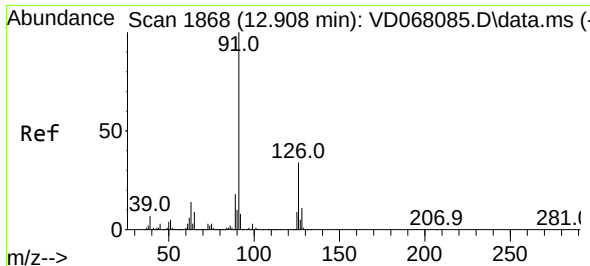
Tgt Ion: 75 Resp: 226991
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#78
n-propylbenzene
Concen: 1.85 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion: 91 Resp: 75868
Ion Ratio Lower Upper
91 100
120 25.7 12.0 36.0

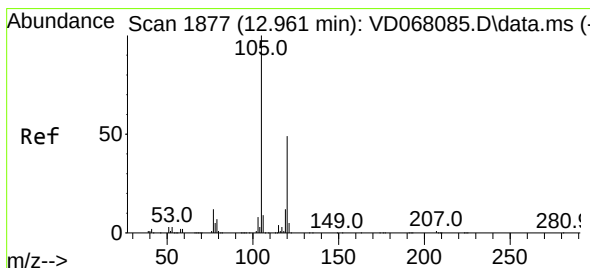
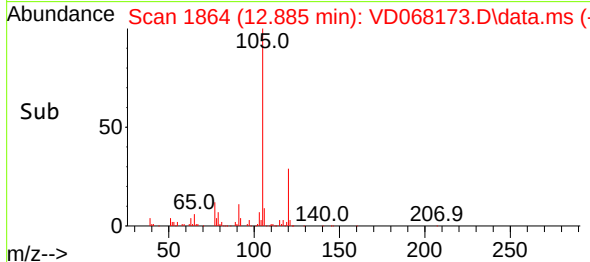
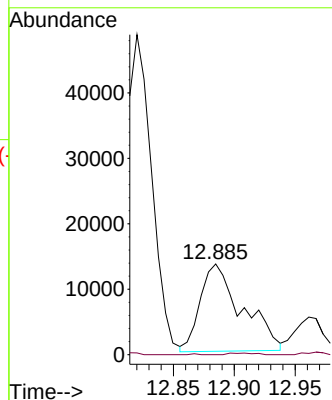
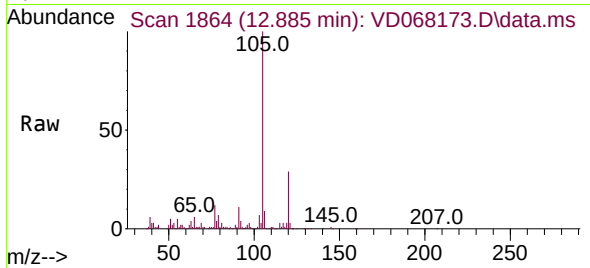




#79
2-Chlorotoluene
Concen: 1.39 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. -0.023 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

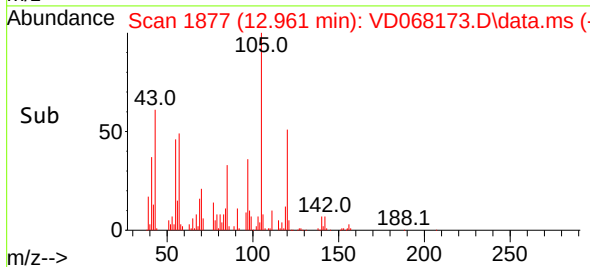
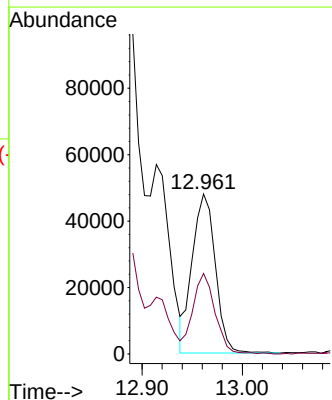
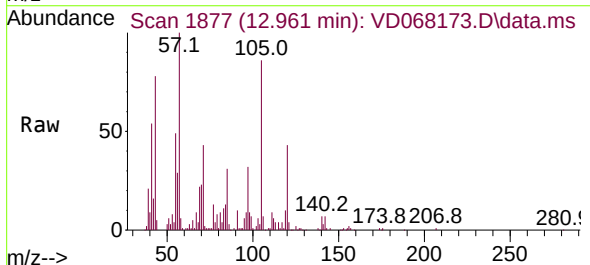
Instrument :
MSVOA_D
ClientSampleId :

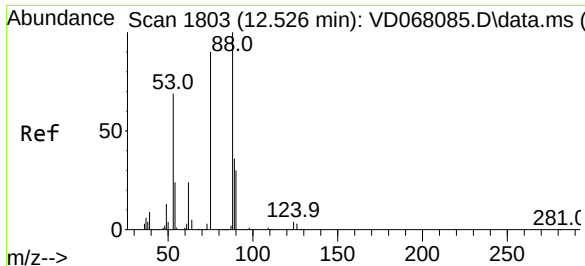
Tgt Ion: 91 Resp: 31907
Ion Ratio Lower Upper
91 100
126 1.1 17.8 53.5#



#80
1,3,5-Trimethylbenzene
Concen: 2.66 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

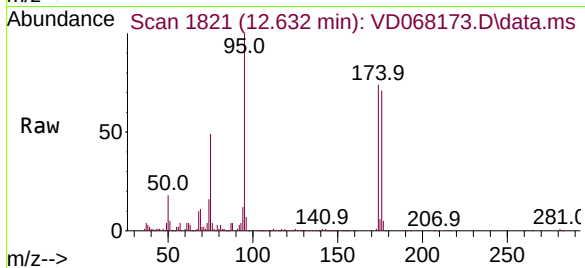
Tgt Ion: 105 Resp: 76745
Ion Ratio Lower Upper
105 100
120 49.0 24.2 72.6



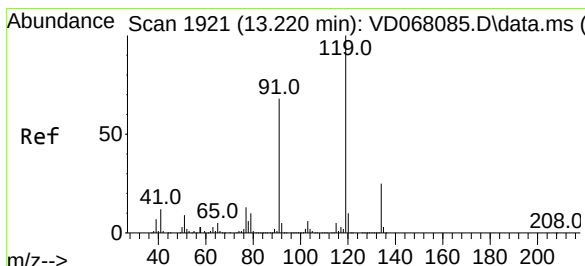
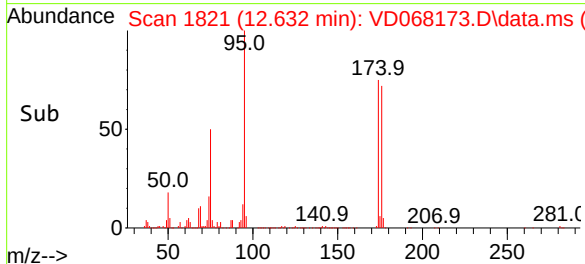
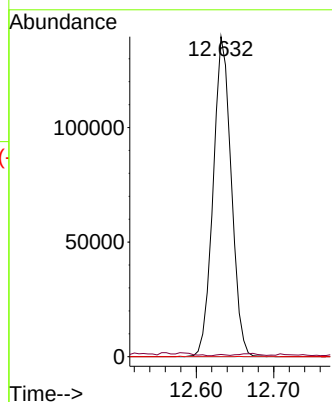


#81
trans-1,4-Dichloro-2-butene
Concen: 113.99 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Instrument :
MSVOA_D
ClientSampled :

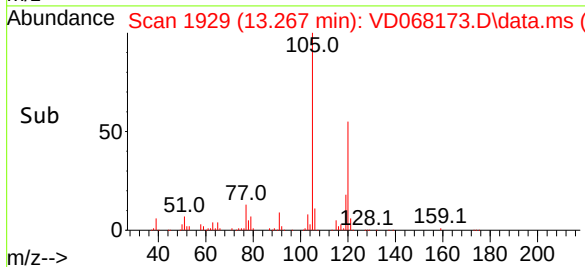
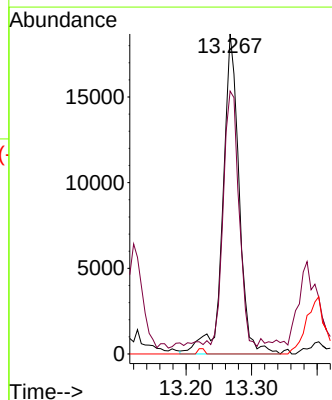
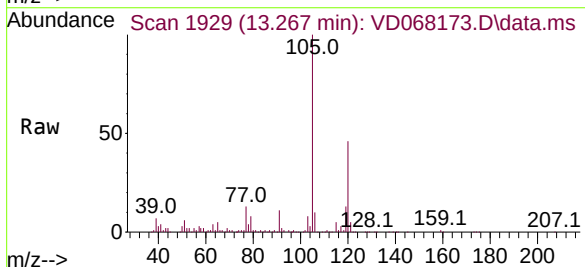


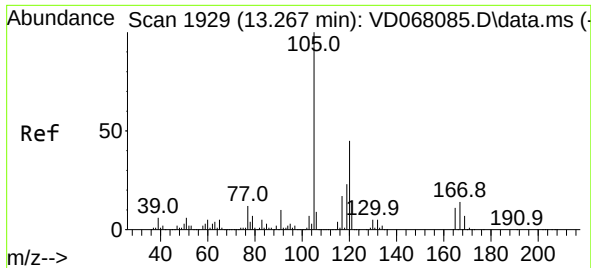
Tgt Ion: 75 Resp: 226991
Ion Ratio Lower Upper
75 100
53 0.2 70.2 105.2#
89 0.0 40.3 60.5#



#83
tert-Butylbenzene
Concen: 1.31 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.047 min
Lab File: VD068173.D
Acq: 25 Jan 2021 17:18

Tgt Ion: 119 Resp: 32099
Ion Ratio Lower Upper
119 100
91 76.8 31.1 93.5
134 0.0 13.3 39.8#





#84
 1,2,4-Trimethylbenzene
 Concen: 8.22 ug/l
 RT: 13.267 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: VD068173.D
 Acq: 25 Jan 2021 17:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:105 Resp: 235547
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.4 67.0

