

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030521\
 Data File : VD068547.D
 Acq On : 05 Mar 2021 16:53
 Operator : VA/SY
 Sample : M1582-02
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

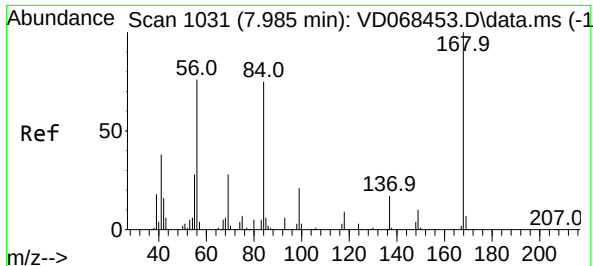
Instrument :
 MSVOA_D
 ClientSampleId :
 VEOLIA-VNJ-208

Quant Time: Mar 05 23:13:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	74929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	115495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	111828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	49735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	30208	40.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 80.70%			
35) Dibromofluoromethane	7.926	113	27828	40.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 80.00%			
50) Toluene-d8	10.344	98	144839	52.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.54%			
62) 4-Bromofluorobenzene	12.632	95	47205	52.85	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.70%			
Target Compounds					Qvalue	
5) Bromomethane	2.797	94	1589	2.05	ug/l #	51
10) Methyl Iodide	4.297	142	450	3.09	ug/l #	55
20) Methylene Chloride	4.979	84	1502	Below Cal	#	50
29) Tetrahydrofuran	7.650	42	123	1.11	ug/l #	26
31) Cyclohexane	7.979	56	1601	1.18	ug/l #	40
36) 1,1-Dichloropropene	7.985	75	5234	4.77	ug/l #	49
38) Carbon Tetrachloride	7.985	117	7748	7.51	ug/l #	16
48) Methyl methacrylate	9.473	41	983	2.75	ug/l #	44
55) 1,1,2-Trichloroethane	10.814	97	792	1.40	ug/l #	51
68) m/p-Xylenes	11.844	106	3271	2.12	ug/l	81
69) o-Xylene	12.179	106	2446	1.72	ug/l	66
74) N-amyl acetate	12.267	43	2561	4.08	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.743	83	1666	2.63	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	23416	53.03	ug/l #	100
77) Bromobenzene	12.649	156	1664	1.98	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.885	105	7798	2.58	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.626	75	23416	123.76	ug/l #	15
83) tert-Butylbenzene	13.279	119	5872	2.28	ug/l #	50
84) 1,2,4-Trimethylbenzene	13.267	105	12195	4.03	ug/l	96
95) Naphthalene	15.396	128	3243	1.66	ug/l	98

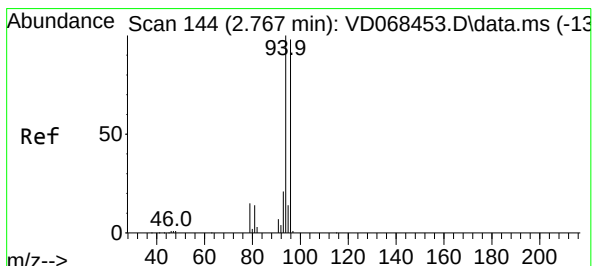
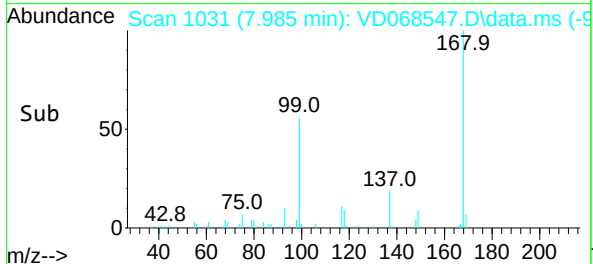
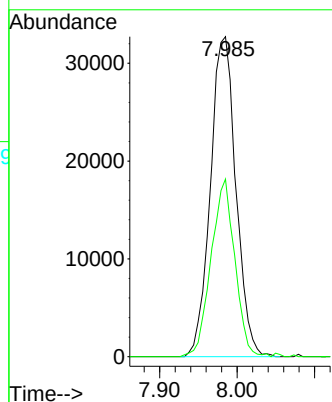
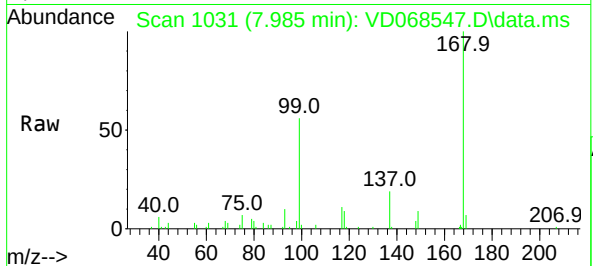
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068547.D
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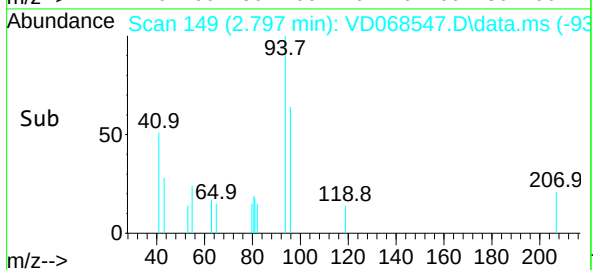
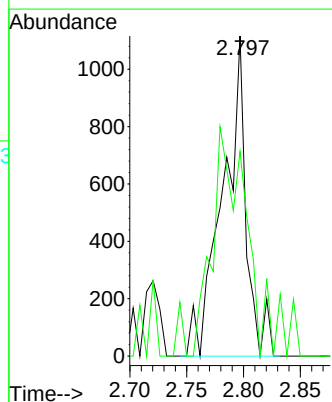
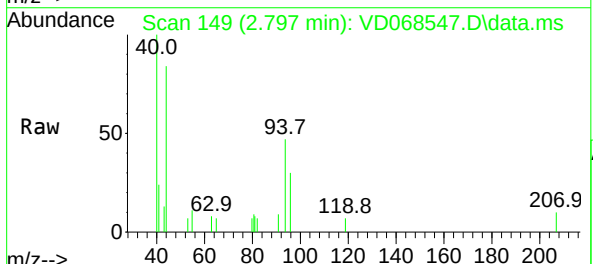
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

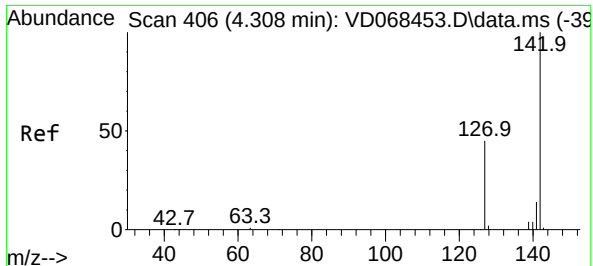
Tgt Ion:168 Resp: 74929
Ion Ratio Lower Upper
168 100
99 55.5 43.5 65.3



#5
Bromomethane
Concen: 2.05 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.030 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 94 Resp: 1589
Ion Ratio Lower Upper
94 100
96 47.1 75.8 113.8#

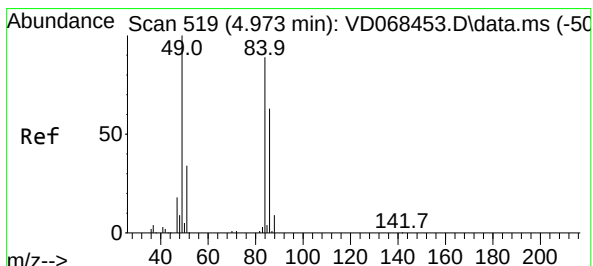
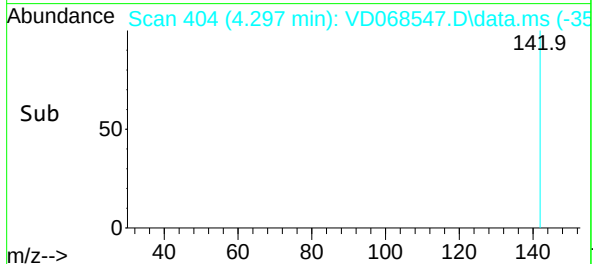
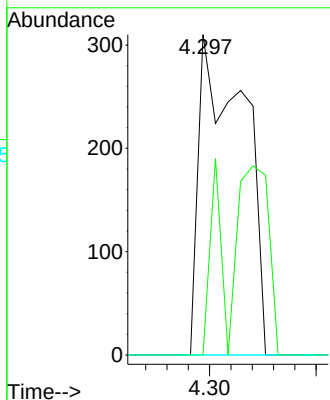
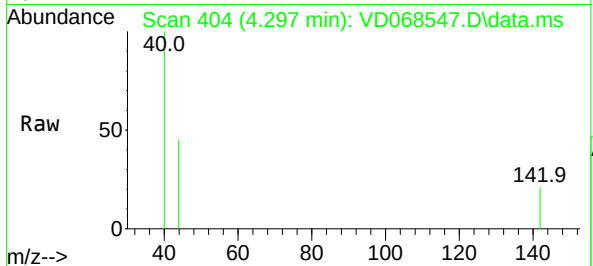




#10
Methyl Iodide
Concen: 3.09 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

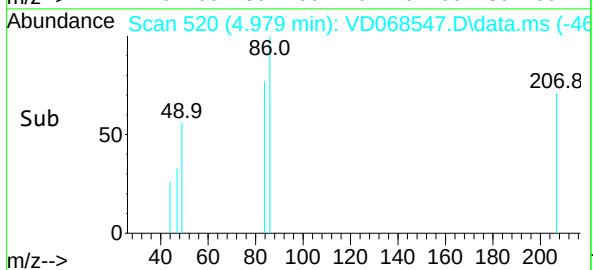
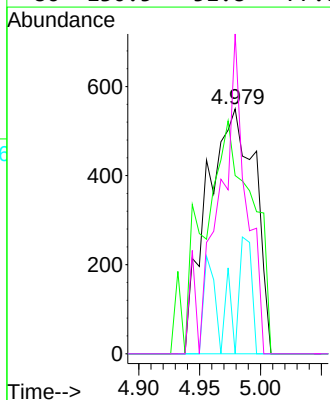
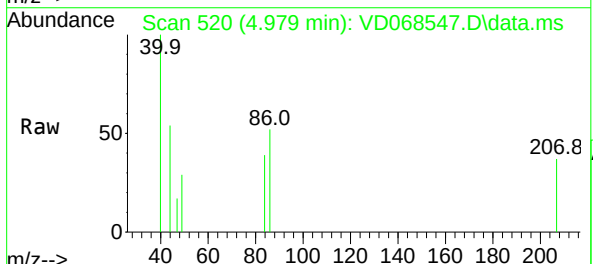
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

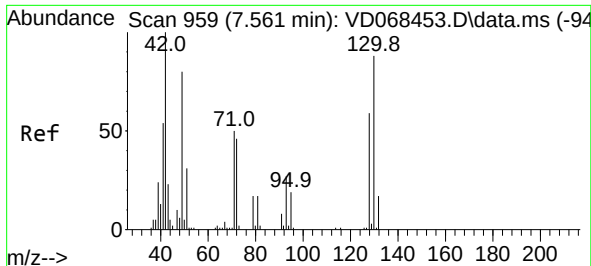
Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
127 14.9 37.9 56.9#
141 0.0 11.5 17.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 84 Resp: 1502
Ion Ratio Lower Upper
84 100
49 72.7 77.4 116.2#
51 0.0 26.1 39.1#
86 130.5 51.8 77.8#





#29

Tetrahydrofuran

Concen: 1.11 ug/l

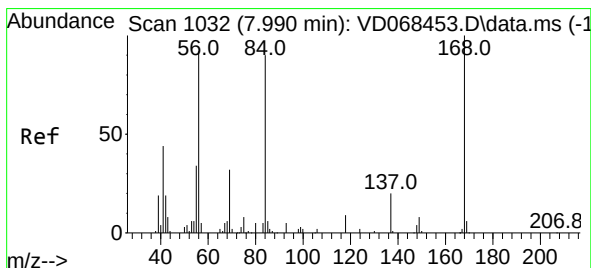
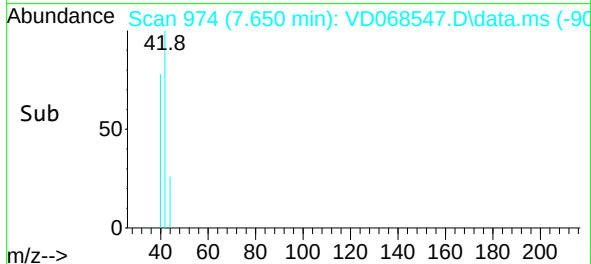
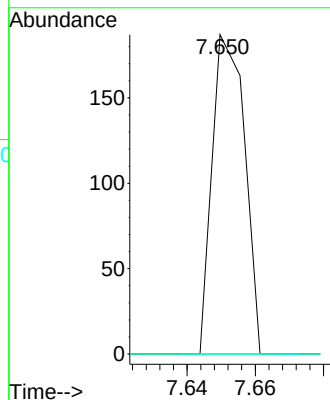
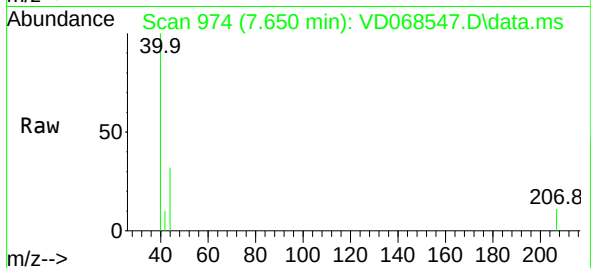
RT: 7.650 min Scan# 974

Delta R.T. 0.089 min

Lab File: VD068547.D

Acq: 05 Mar 2021 16:53

Tgt Ion: 42	Resp: 123
Ion Ratio	Lower Upper
42 100	
72 0.0	43.4 65.0#
71 0.0	40.8 61.2#



#31

Cyclohexane

Concen: 1.18 ug/l

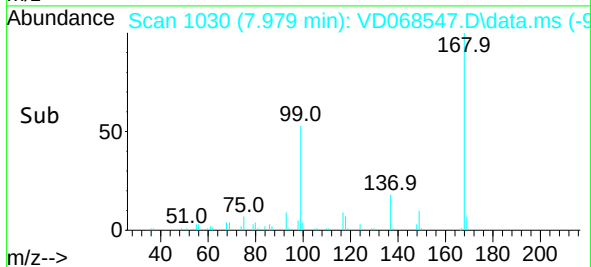
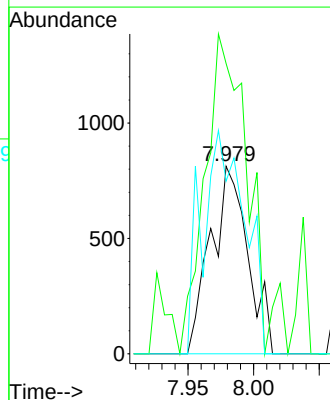
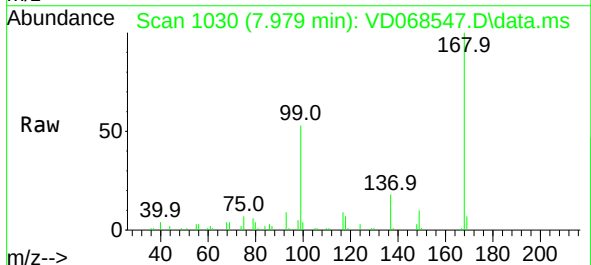
RT: 7.979 min Scan# 1030

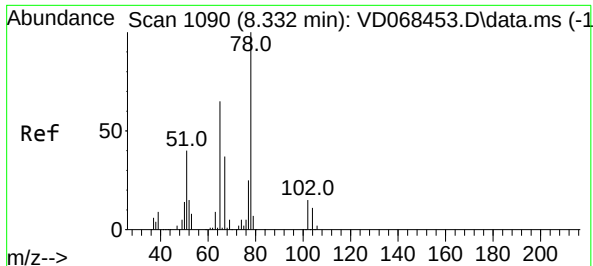
Delta R.T. -0.011 min

Lab File: VD068547.D

Acq: 05 Mar 2021 16:53

Tgt Ion: 56	Resp: 1601
Ion Ratio	Lower Upper
56 100	
69 154.7	30.1 45.1#
84 92.0	82.1 123.1

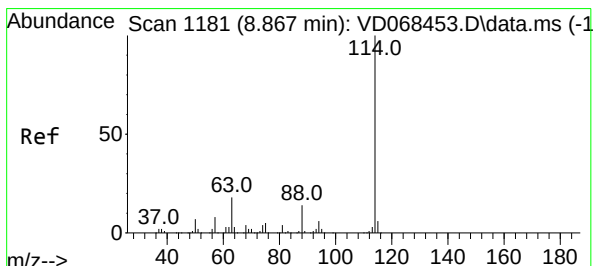
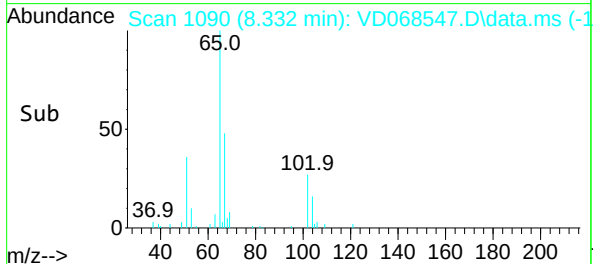
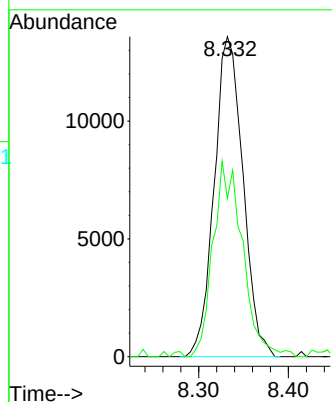
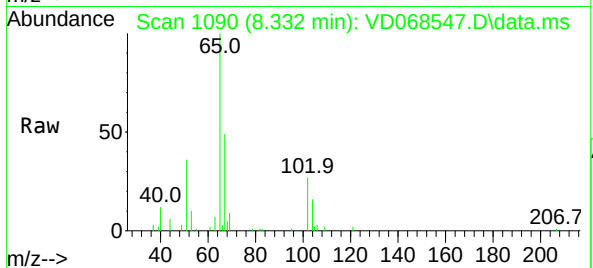




#33
1,2-Dichloroethane-d4
Concen: 40.35 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

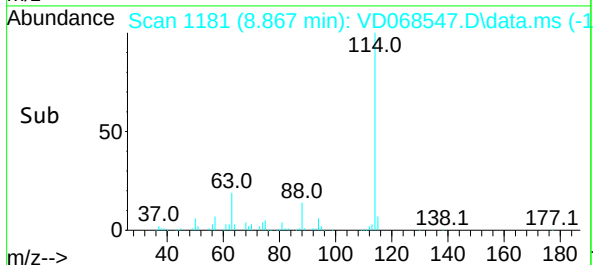
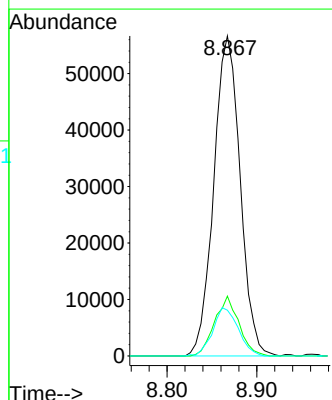
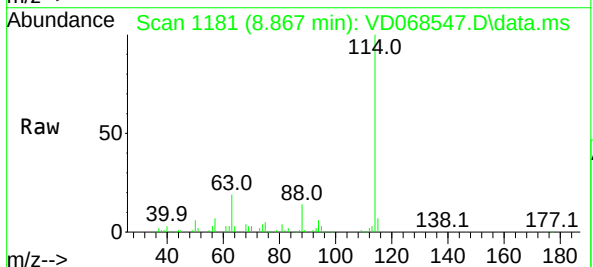
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

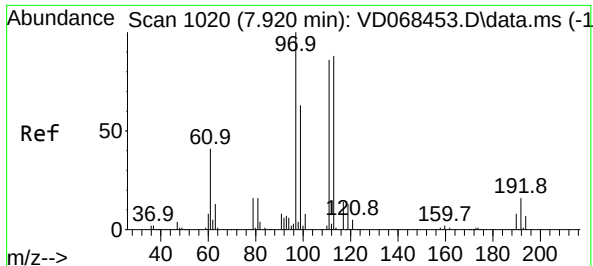
Tgt Ion: 65 Resp: 30208
Ion Ratio Lower Upper
65 100
67 62.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 114 Resp: 115495
Ion Ratio Lower Upper
114 100
63 18.7 0.0 34.8
88 14.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 40.00 ug/l

RT: 7.926 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD068547.D

Acq: 05 Mar 2021 16:53

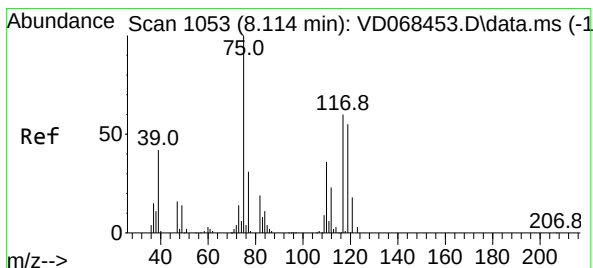
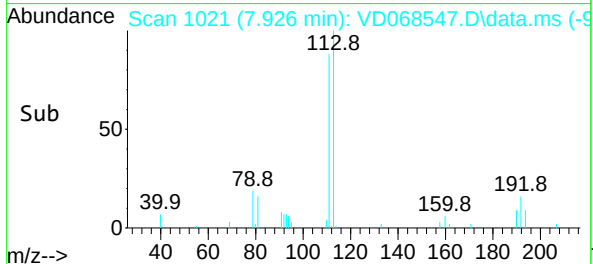
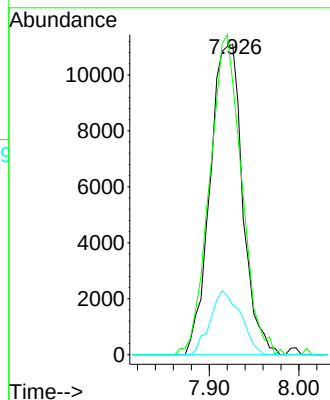
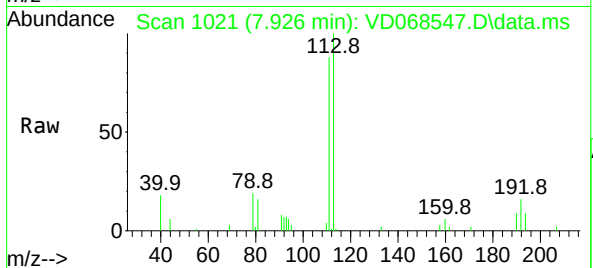
Tgt Ion:113 Resp: 27828

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 19.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.77 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068547.D

Acq: 05 Mar 2021 16:53

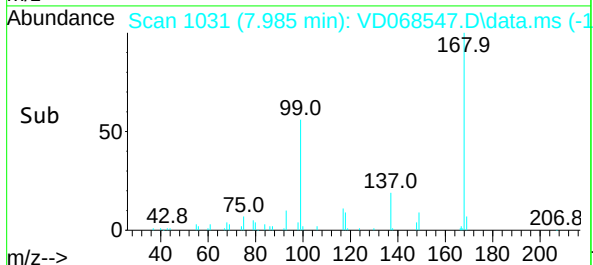
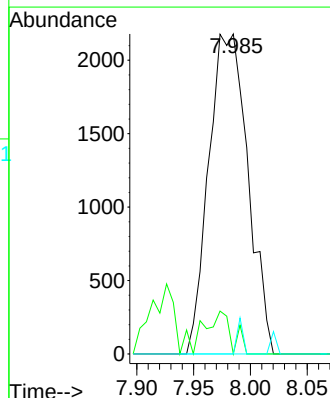
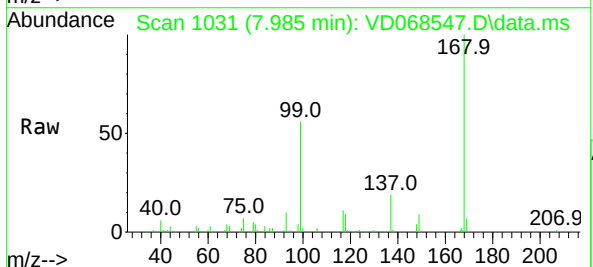
Tgt Ion: 75 Resp: 5234

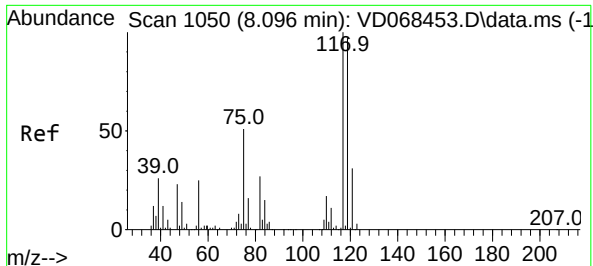
Ion Ratio Lower Upper

75 100

110 9.0 19.4 58.2#

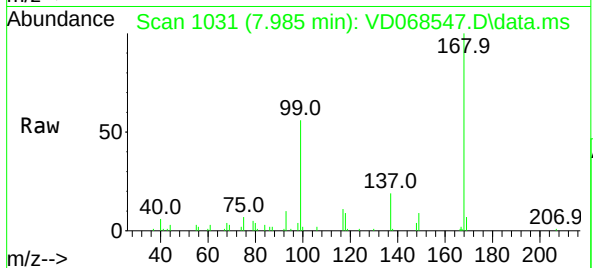
77 1.6 25.3 37.9#



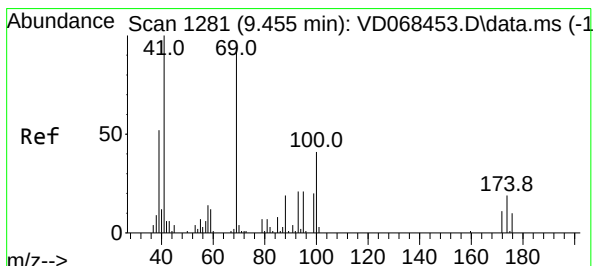
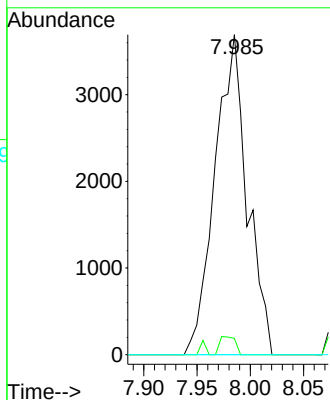
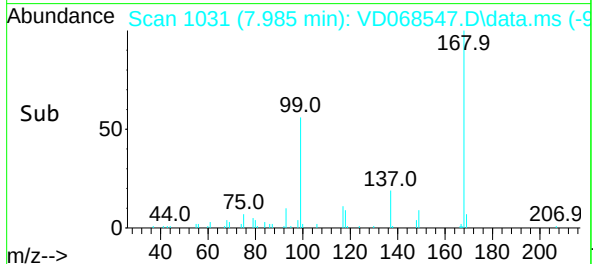


#38
Carbon Tetrachloride
Concen: 7.51 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.111 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

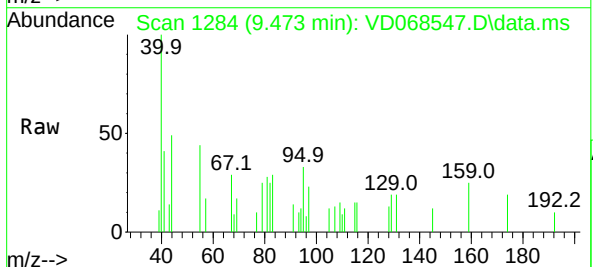
Instrument :
MSVOA_D
ClientSampleId :
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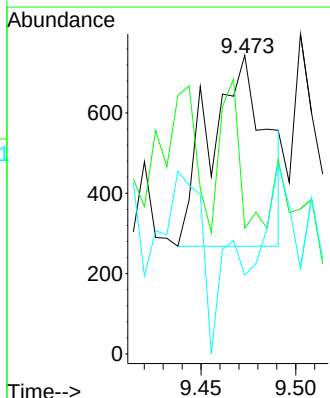
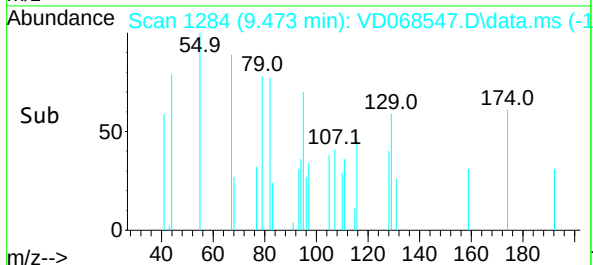
Tgt Ion: 117 Resp: 7748
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.7 37.1#

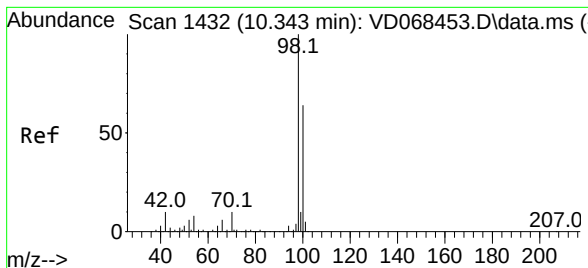


#48
Methyl methacrylate
Concen: 2.75 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.018 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53



Tgt Ion: 41 Resp: 983
Ion Ratio Lower Upper
41 100
69 30.9 77.1 115.7#
39 26.6 41.5 62.3#

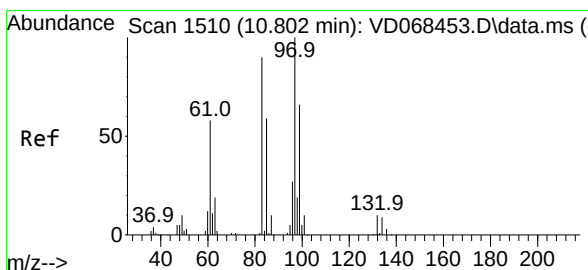
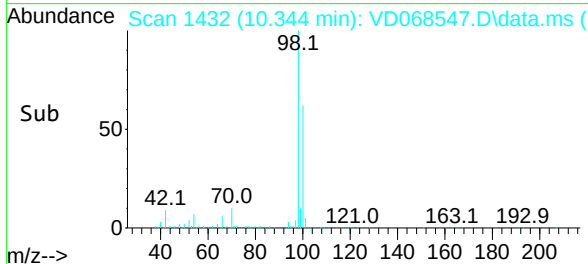
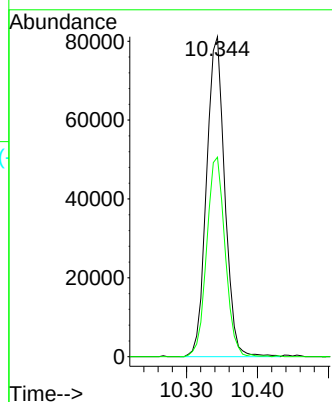
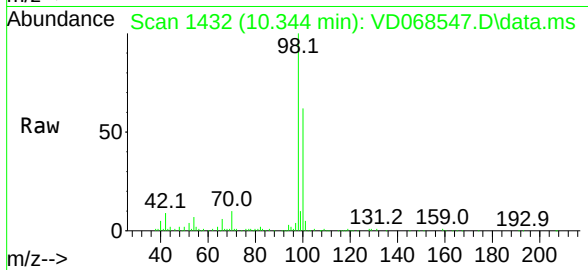




#50
Toluene-d8
Concen: 52.27 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

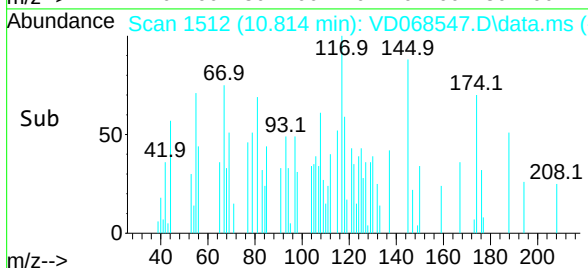
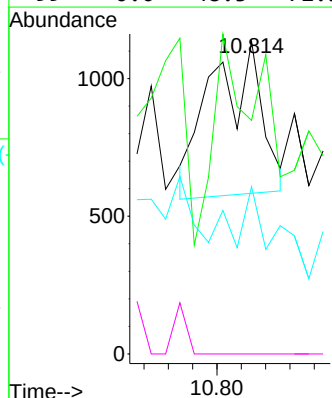
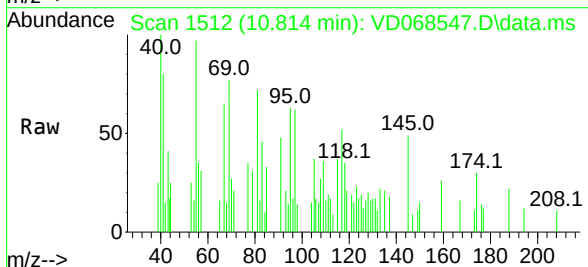
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

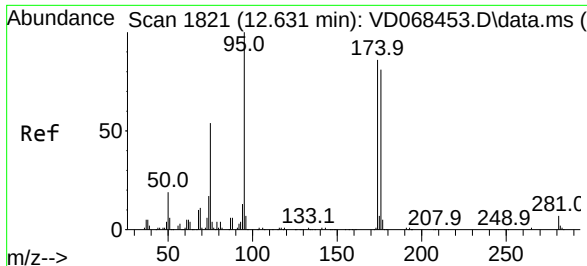
Tgt Ion: 98 Resp: 144839
Ion Ratio Lower Upper
98 100
100 63.2 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 1.40 ug/l
RT: 10.814 min Scan# 1512
Delta R.T. 0.012 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 97 Resp: 792
Ion Ratio Lower Upper
97 100
83 44.5 61.8 92.6#
85 30.6 42.2 63.2#
99 0.0 48.3 72.5#

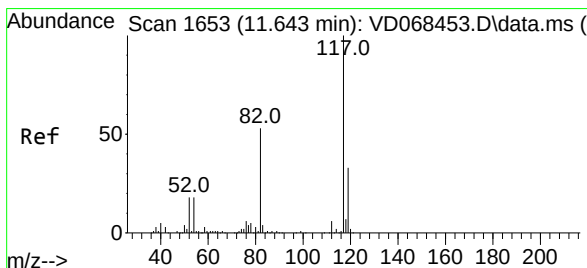
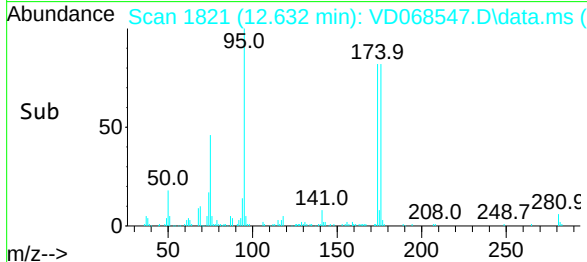
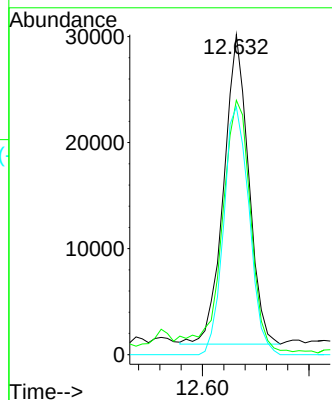
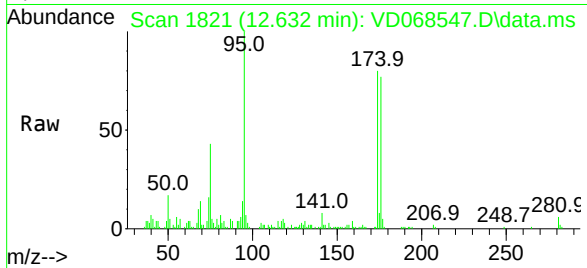




#62
4-Bromofluorobenzene
Concen: 52.85 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

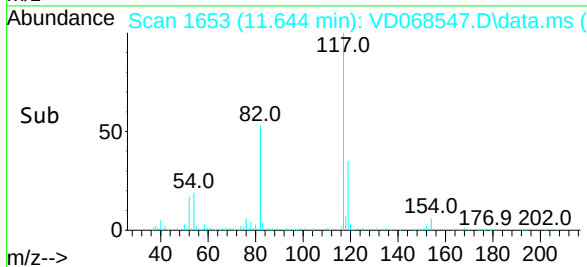
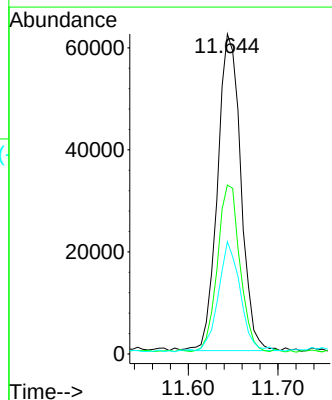
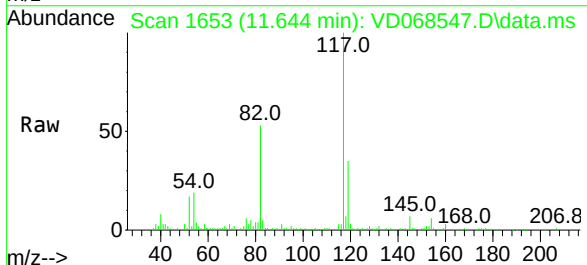
Instrument :
MSVOA_D
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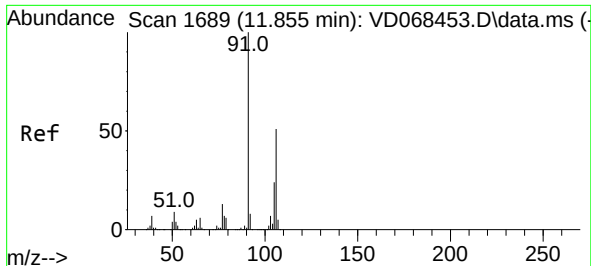
Tgt Ion: 95 Resp: 47205
Ion Ratio Lower Upper
95 100
174 91.9 0.0 172.4
176 82.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 117 Resp: 111828
Ion Ratio Lower Upper
117 100
82 52.4 41.4 62.0
119 34.4 26.1 39.1

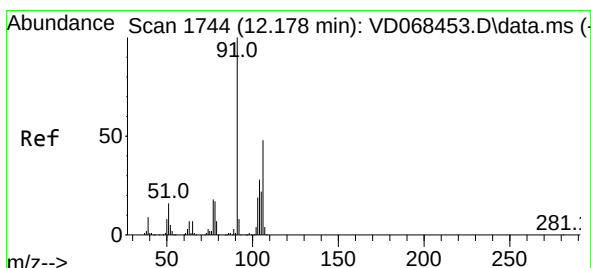
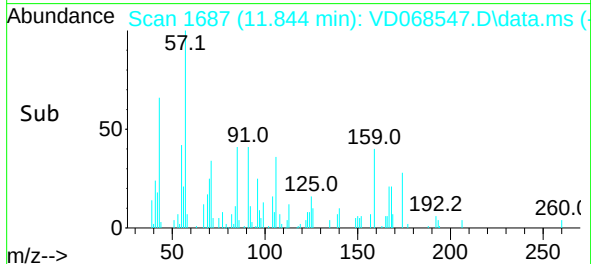
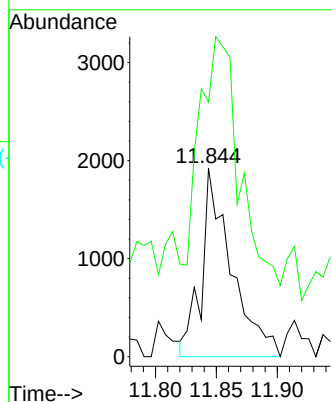
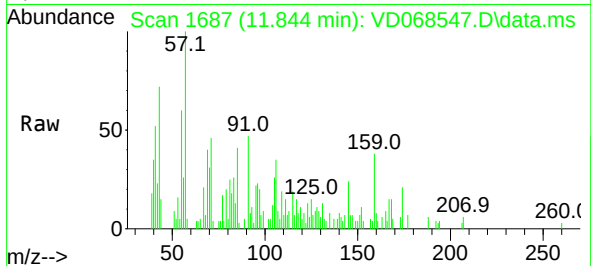




#68
m/p-Xylenes
Concen: 2.12 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.011 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

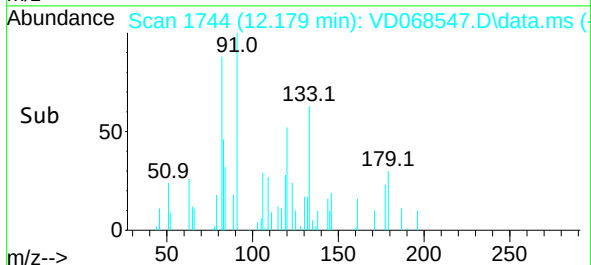
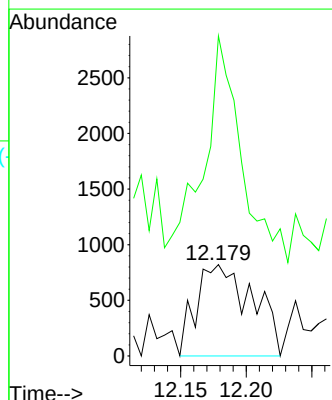
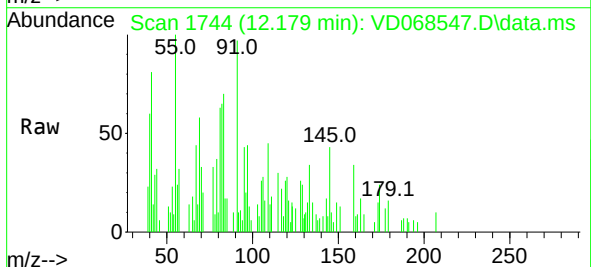
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

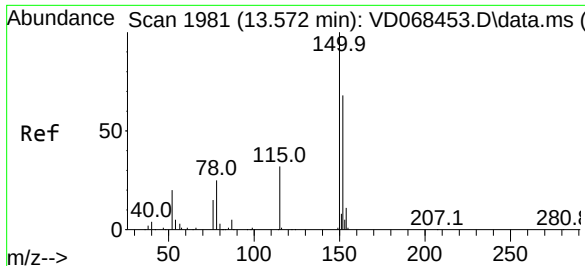
Tgt Ion:106 Resp: 3271
Ion Ratio Lower Upper
106 100
91 170.3 159.1 238.7



#69
o-Xylene
Concen: 1.72 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion:106 Resp: 2446
Ion Ratio Lower Upper
106 100
91 162.8 108.7 325.9

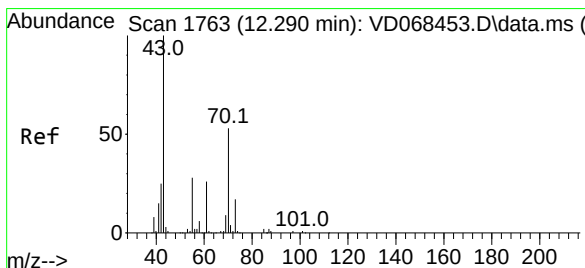
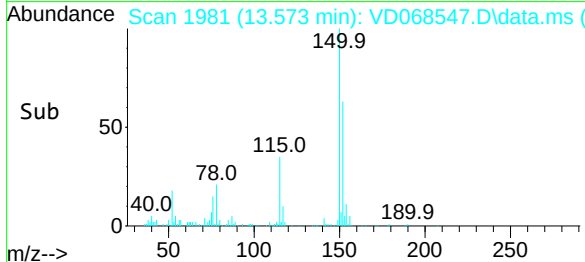
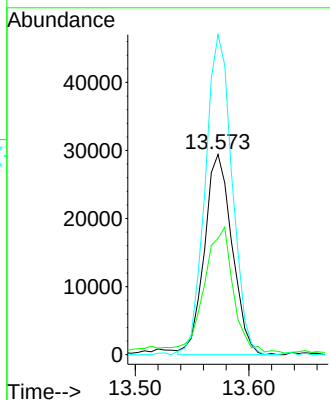
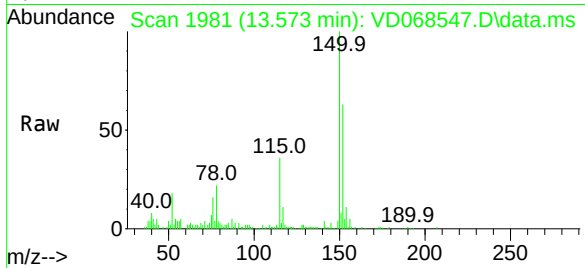




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

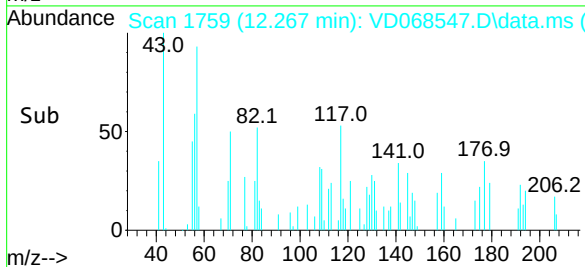
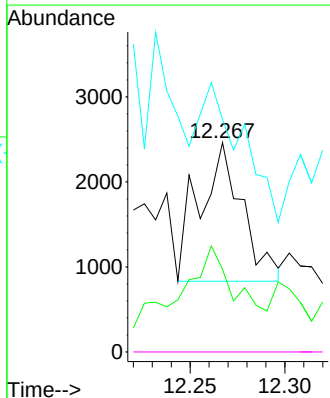
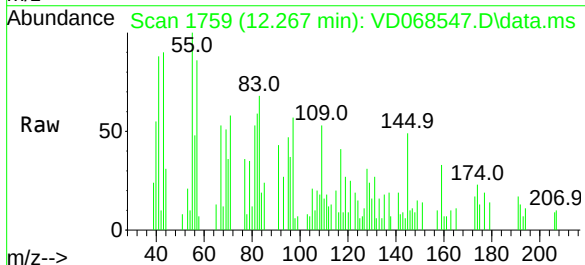
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

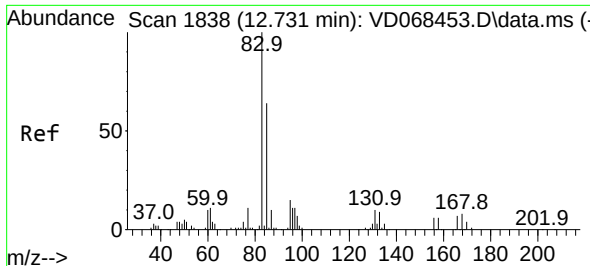
Tgt Ion:152 Resp: 49735
Ion Ratio Lower Upper
152 100
115 65.8 28.9 86.8
150 155.7 0.0 344.4



#74
N-ethyl acetate
Concen: 4.08 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.023 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 43 Resp: 2561
Ion Ratio Lower Upper
43 100
70 38.3 41.8 62.8#
55 99.5 24.2 36.4#
61 0.0 21.7 32.5#

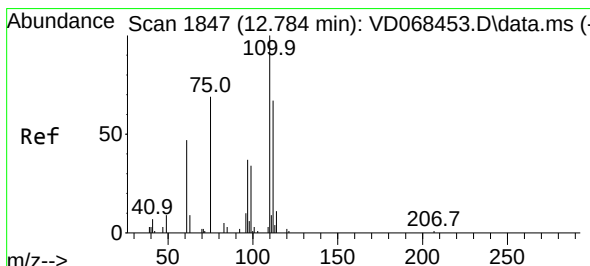
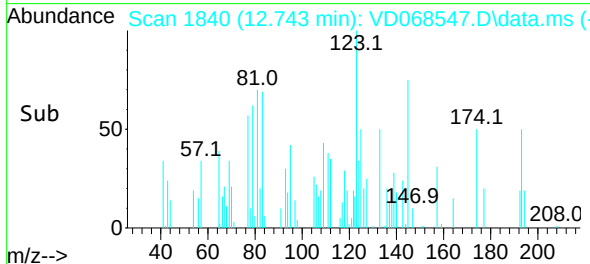
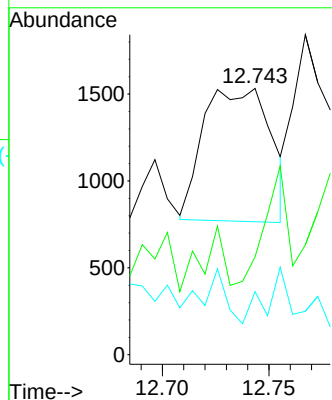
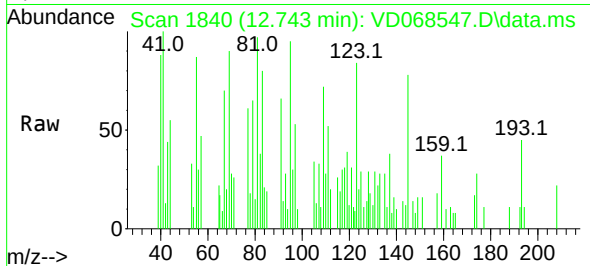




#75
1,1,2,2-Tetrachloroethane
Concen: 2.63 ug/l
RT: 12.743 min Scan# 1840
Delta R.T. 0.012 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

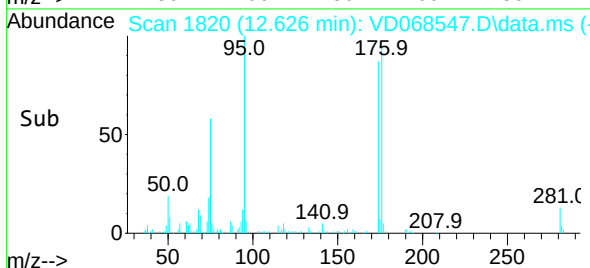
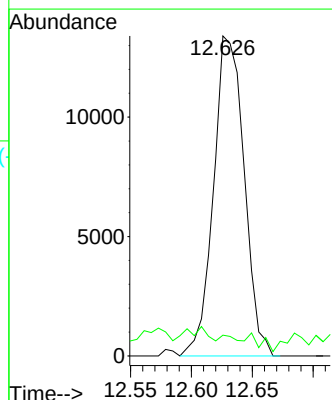
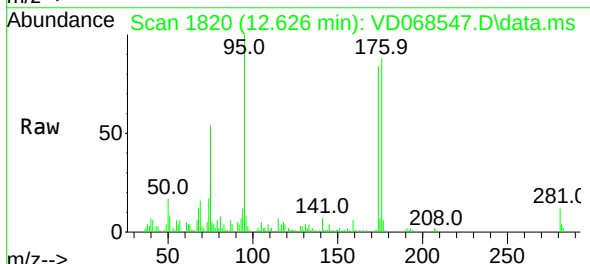
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

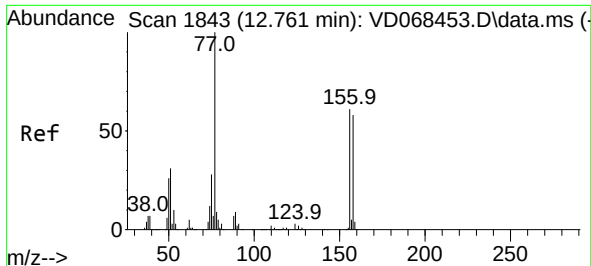
Tgt Ion: 83 Resp: 1666
Ion Ratio Lower Upper
83 100
131 15.8 5.8 17.4
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 53.03 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.158 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 75 Resp: 23416
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#

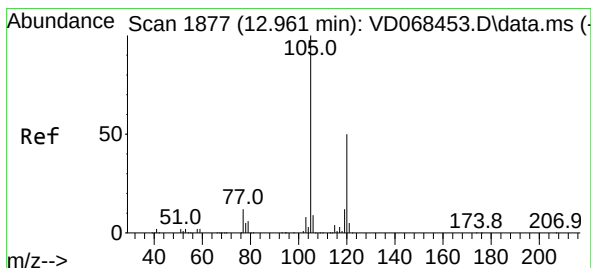
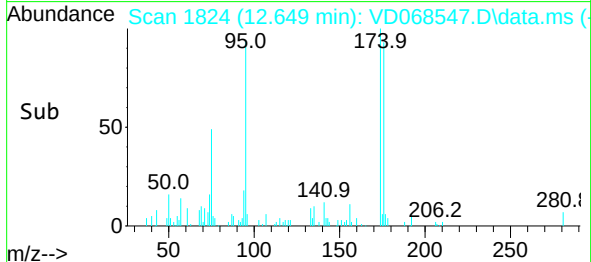
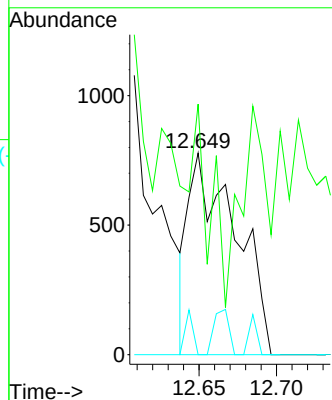
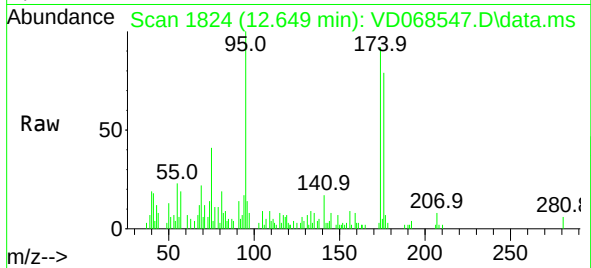




#77
Bromobenzene
Concen: 1.98 ug/l
RT: 12.649 min Scan# 1824
Delta R.T. -0.111 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

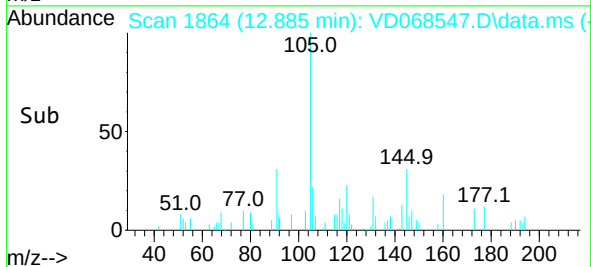
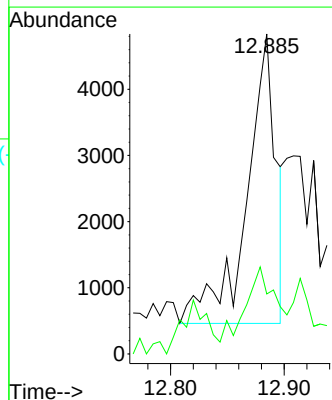
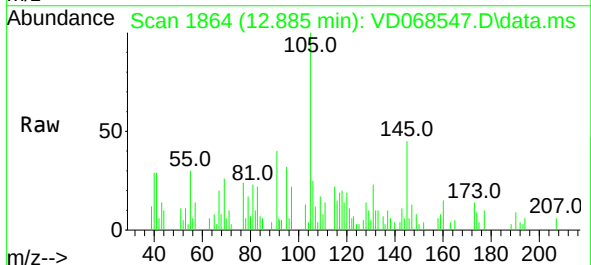
Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

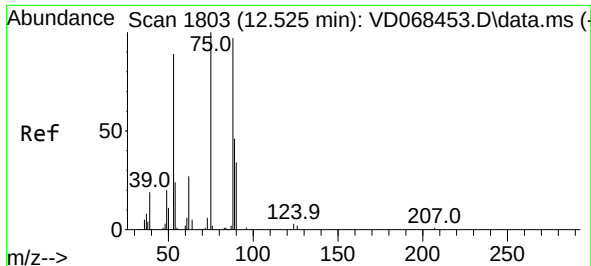
Tgt Ion:156 Resp: 1664
Ion Ratio Lower Upper
156 100
77 0.0 82.8 248.3#
158 3.7 48.0 144.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.58 ug/l
RT: 12.885 min Scan# 1864
Delta R.T. -0.076 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion:105 Resp: 7798
Ion Ratio Lower Upper
105 100
120 34.3 24.2 72.6

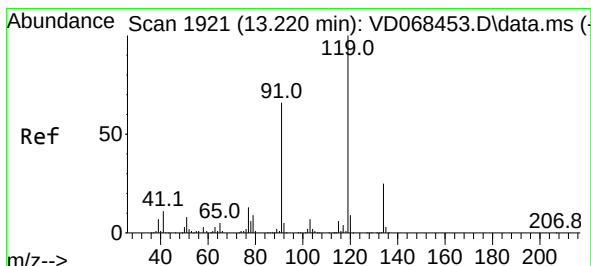
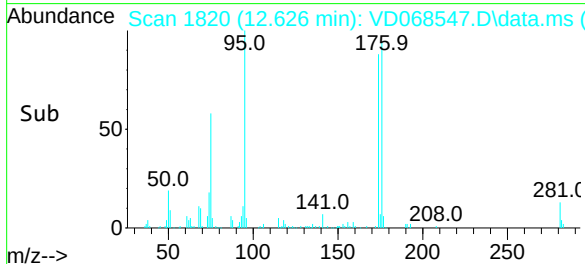
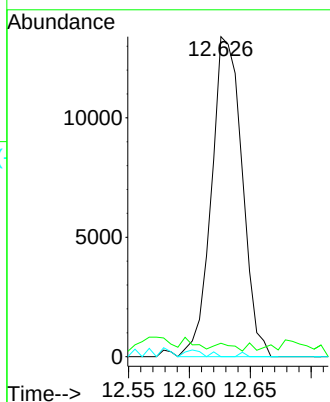
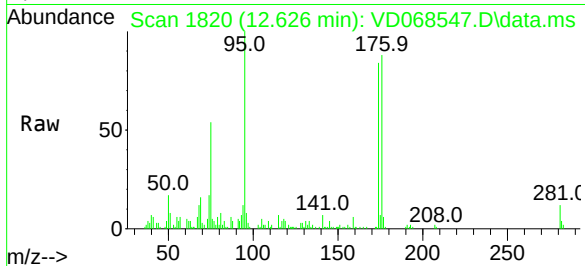




#81
trans-1,4-Dichloro-2-butene
Concen: 123.76 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

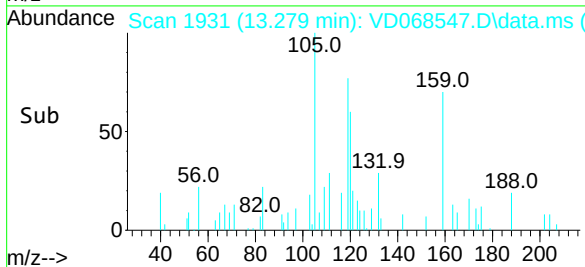
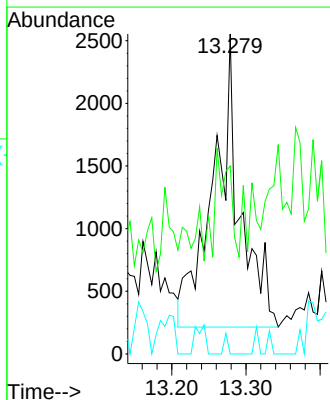
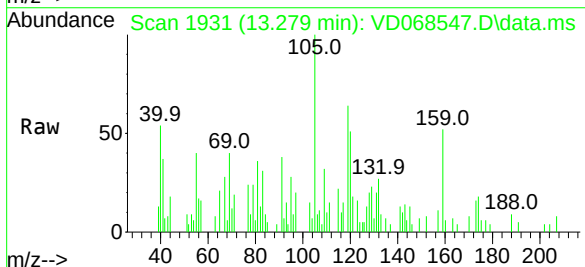
Instrument :
MSVOA_D
ClientSampleId :
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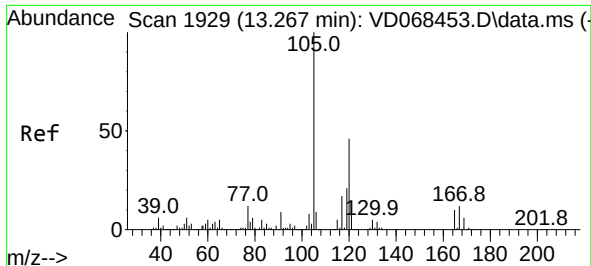
Tgt Ion: 75 Resp: 23416
Ion Ratio Lower Upper
75 100
53 1.5 70.2 105.2#
89 0.3 40.3 60.5#



#83
tert-Butylbenzene
Concen: 2.28 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. 0.059 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion: 119 Resp: 5872
Ion Ratio Lower Upper
119 100
91 24.0 31.1 93.5#
134 1.0 13.3 39.8#

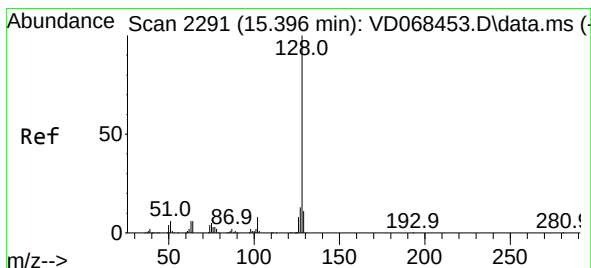
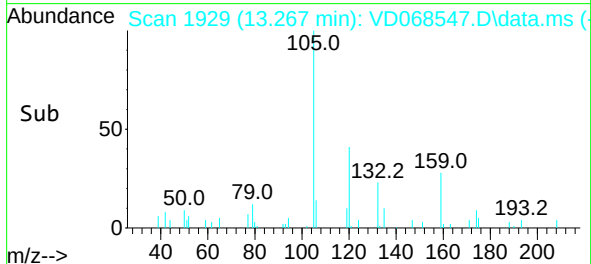
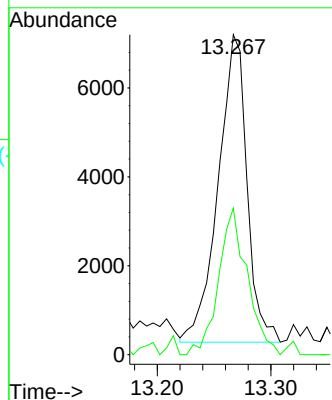
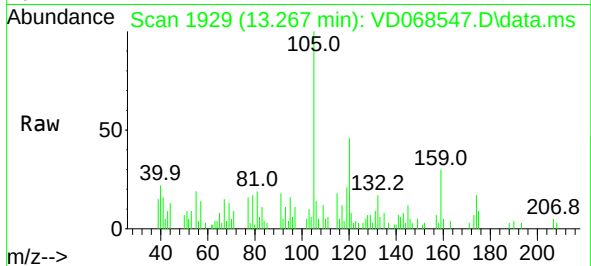




#84
1,2,4-Trimethylbenzene
Concen: 4.03 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :
VEOLIA-VNJ-208

Tgt Ion:105 Resp: 12195
Ion Ratio Lower Upper
105 100
120 47.4 22.4 67.0



#95
Naphthalene
Concen: 1.66 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068547.D
Acq: 05 Mar 2021 16:53

Tgt Ion:128 Resp: 3243
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 9.7 8.8 13.2

