

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
 Data File : VD068769.D
 Acq On : 01 Apr 2021 20:15
 Operator : VA/SY
 Sample : M1836-13
 Misc : 9.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B6-0-2

Quant Time: Apr 02 01:07:30 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)

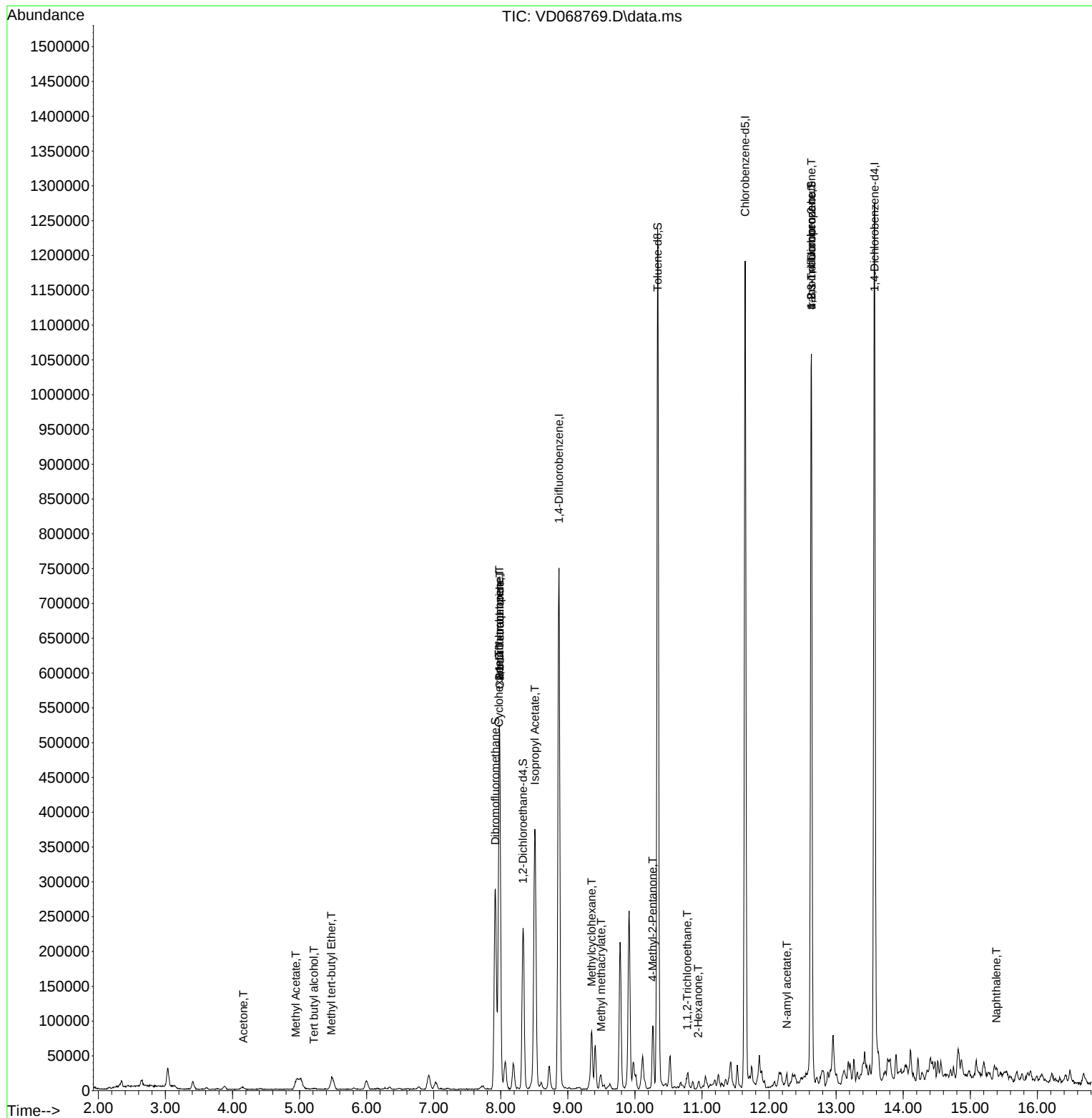
Internal Standards						
1) Pentafluorobenzene	7.979	168	385231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	678872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	705349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	345961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	191341	49.26	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.52%		
35) Dibromofluoromethane	7.920	113	207600	49.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.30%		
50) Toluene-d8	10.338	98	869325	53.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.76%		
62) 4-Bromofluorobenzene	12.632	95	318224	60.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.54%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.214	59	865	4.83	ug/l #	73
13) Acrolein	3.879	56	135	Below Cal	#	1
16) Acetone	4.161	43	3236	6.87	ug/l	95
18) Methyl Acetate	4.944	43	7305	5.64	ug/l #	43
19) Methyl tert-butyl Ether	5.473	73	12310	1.61	ug/l #	1
20) Methylene Chloride	4.967	84	8281	Below Cal		92
31) Cyclohexane	7.973	56	17238	2.75	ug/l #	71
36) 1,1-Dichloropropene	7.979	75	30191	4.98	ug/l #	49
38) Carbon Tetrachloride	7.985	117	38310	6.33	ug/l #	17
39) Methylcyclohexane	9.355	83	10799	1.44	ug/l #	64
43) Isopropyl Acetate	8.508	43	64146	17.48	ug/l #	45
48) Methyl methacrylate	9.496	41	7031	3.78	ug/l #	23
51) 4-Methyl-2-Pentanone	10.267	43	9885	5.17	ug/l #	77
55) 1,1,2-Trichloroethane	10.779	97	3491	1.03	ug/l #	37
59) 2-Hexanone	10.943	43	3867	3.01	ug/l #	19
74) N-amyl acetate	12.267	43	4435	1.12	ug/l #	70
76) 1,2,3-Trichloropropane	12.632	75	158577	55.07	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	158577	125.29	ug/l #	16
95) Naphthalene	15.390	128	13702	1.28	ug/l	97

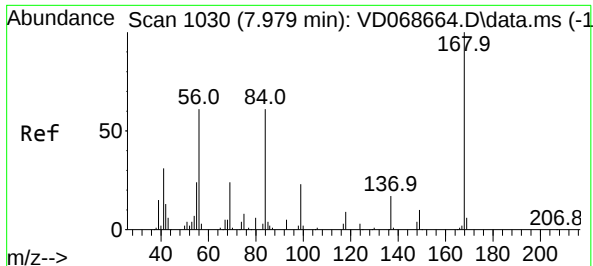
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
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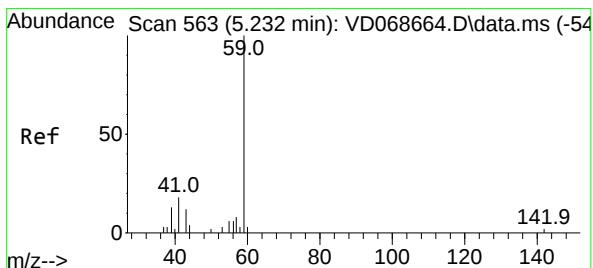
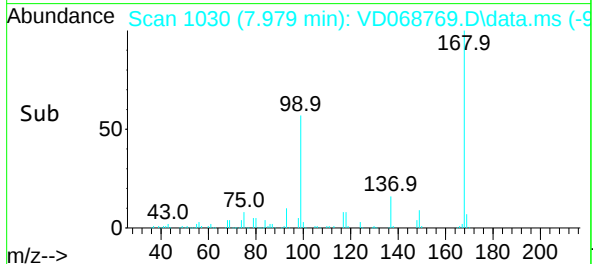
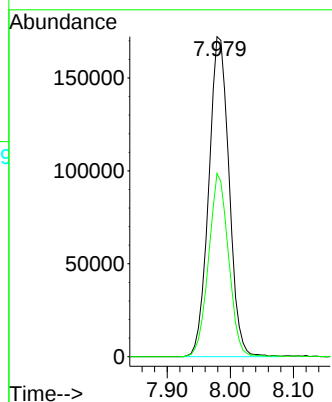
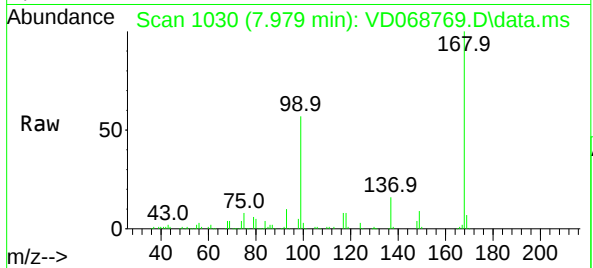




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

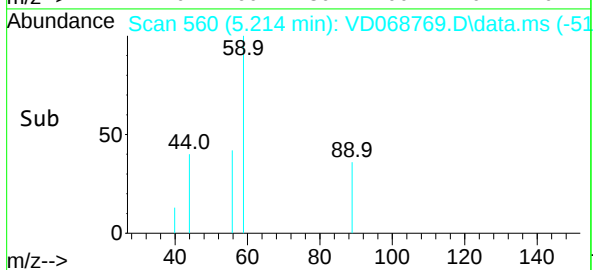
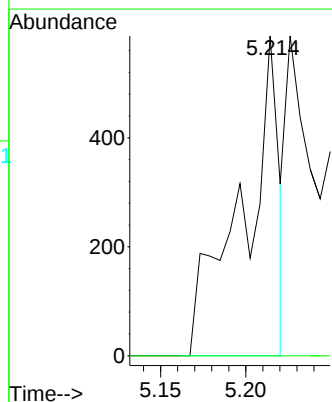
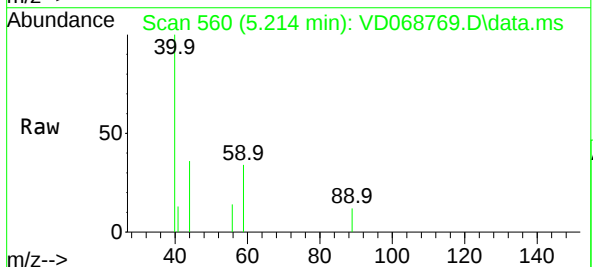
Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

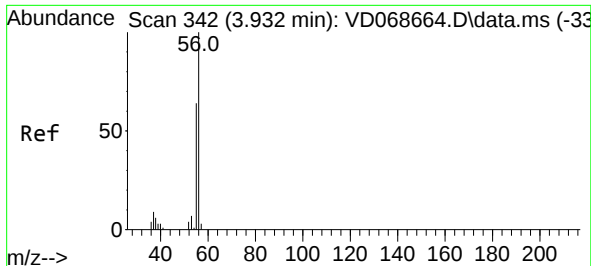
Tgt Ion:168 Resp: 385231
Ion Ratio Lower Upper
168 100
99 57.3 46.2 69.2



#11
Tert butyl alcohol
Concen: 4.83 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.018 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

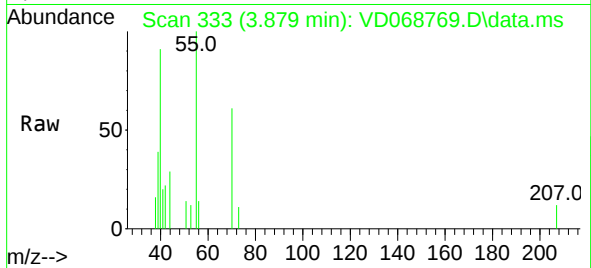
Tgt Ion: 59 Resp: 865
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



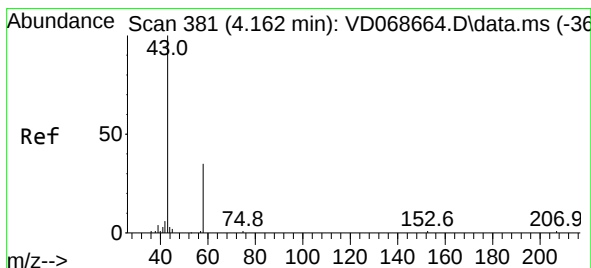
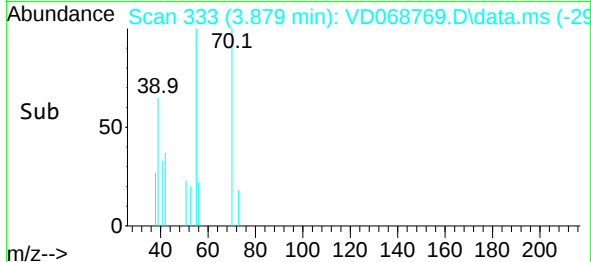
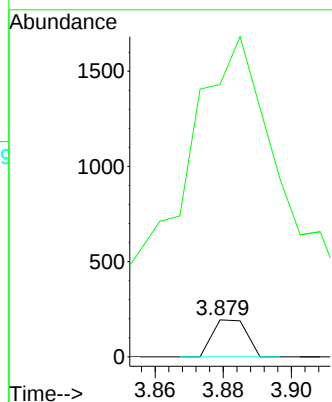


#13
Acrolein
Concen: Below Cal
RT: 3.879 min Scan# 333
Delta R.T. -0.053 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

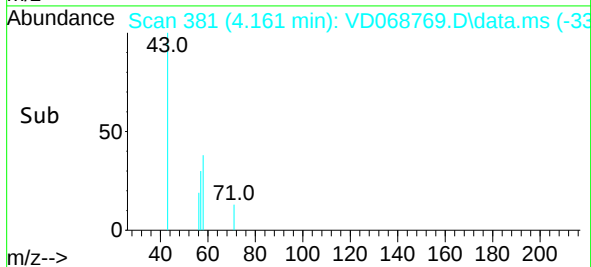
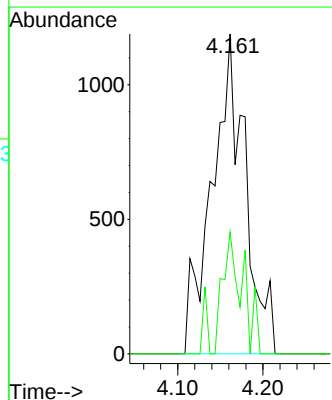
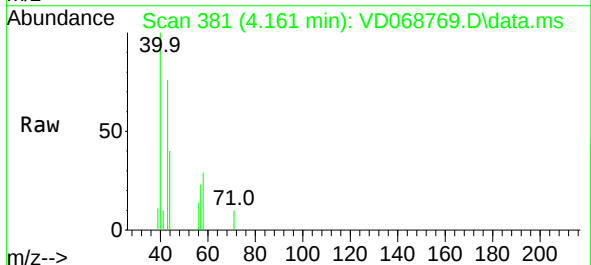


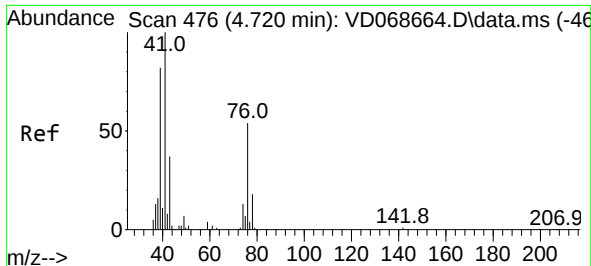
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 2905.9 54.7 82.1#



#16
Acetone
Concen: 6.87 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

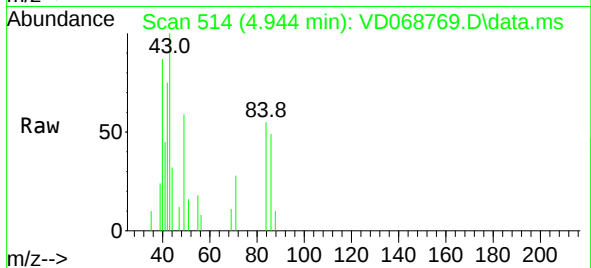
Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
58 38.1 28.0 42.0



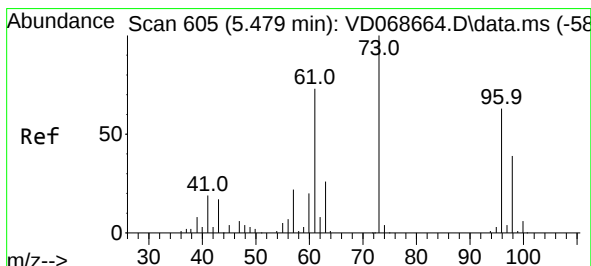
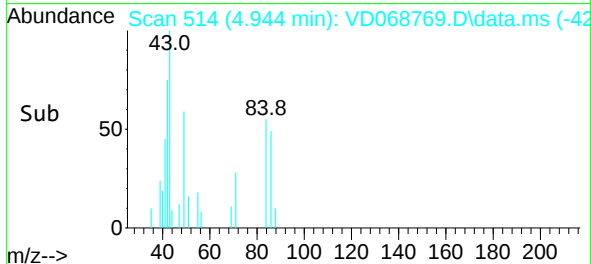
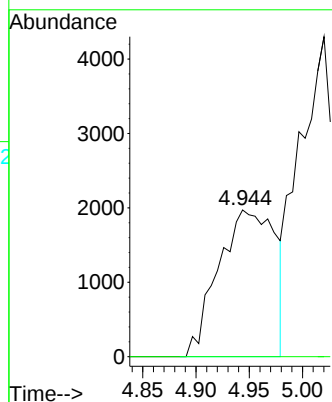


#18
Methyl Acetate
Concen: 5.64 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.223 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

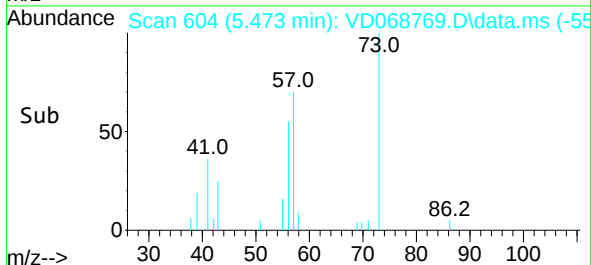
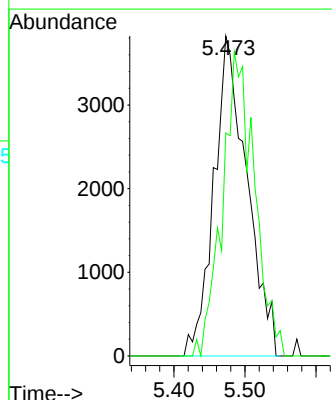
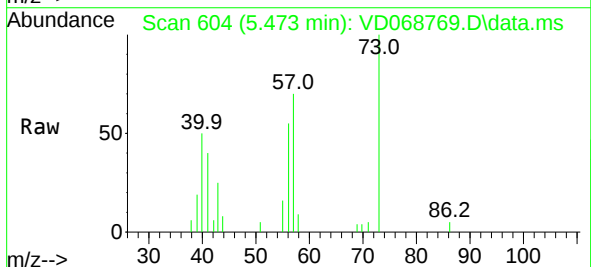


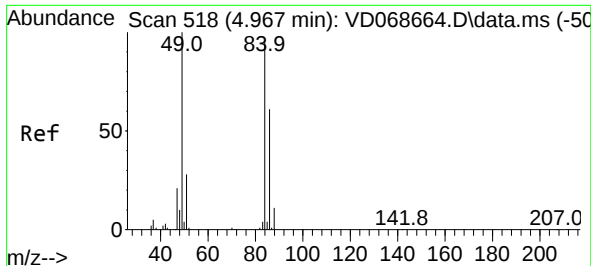
Tgt Ion: 43 Resp: 7305
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#19
Methyl tert-butyl Ether
Concen: 1.61 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

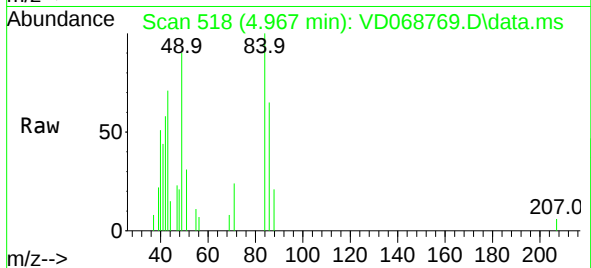
Tgt Ion: 73 Resp: 12310
Ion Ratio Lower Upper
73 100
57 69.7 17.3 25.9#



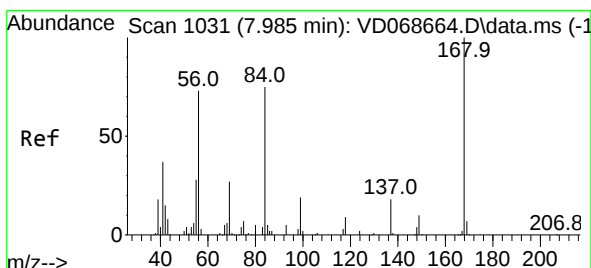
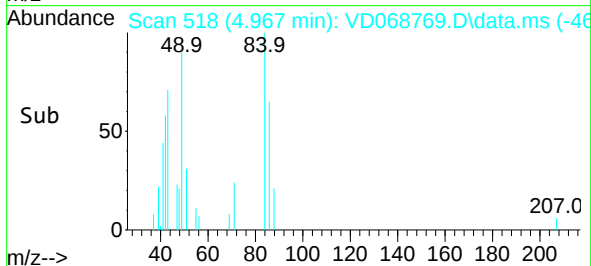
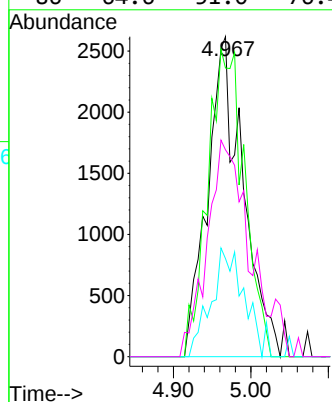


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

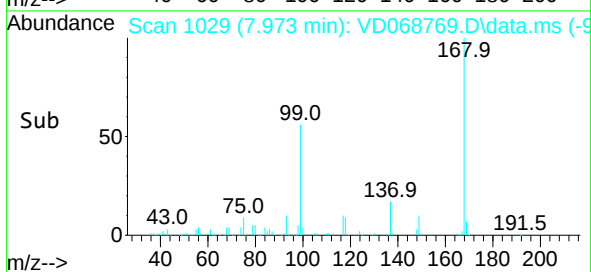
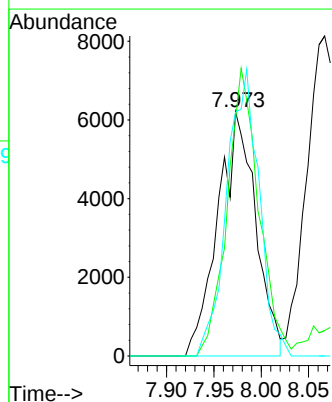
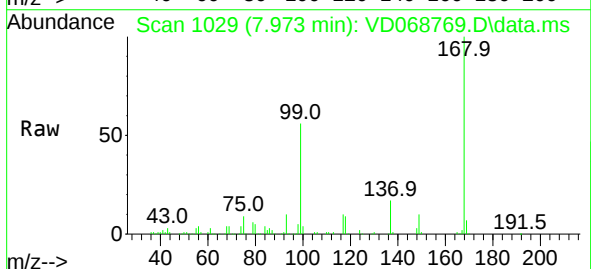


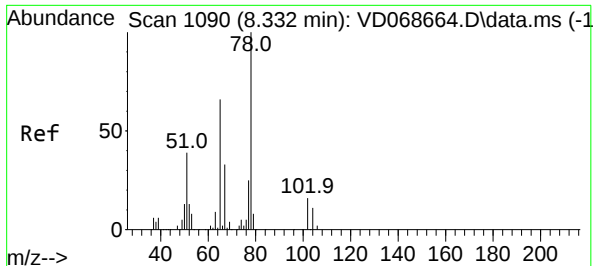
Tgt Ion:	84	Resp:	8281
Ion	Ratio	Lower	Upper
84	100		
49	90.2	83.4	125.0
51	30.6	23.4	35.2
86	64.6	51.0	76.4



#31
Cyclohexane
Concen: 2.75 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion:	56	Resp:	17238
Ion	Ratio	Lower	Upper
56	100		
69	96.8	30.0	45.0#
84	99.7	82.0	123.0

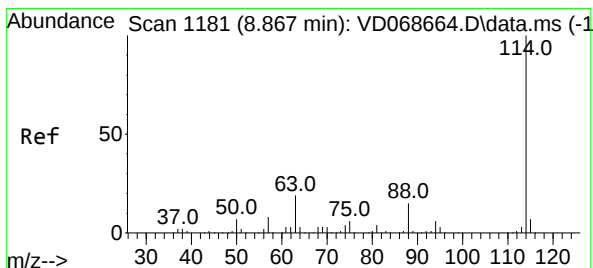
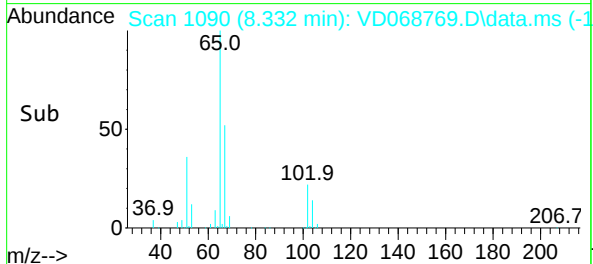
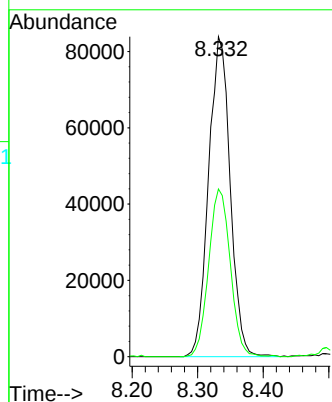
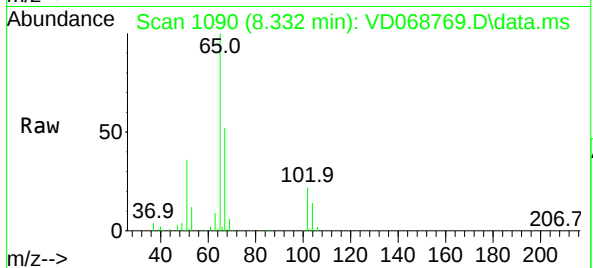




#33
1,2-Dichloroethane-d4
Concen: 49.26 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

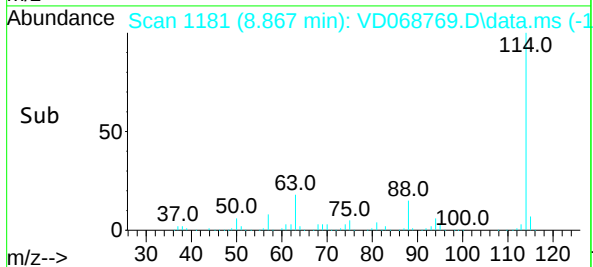
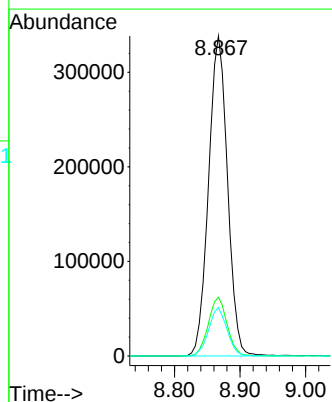
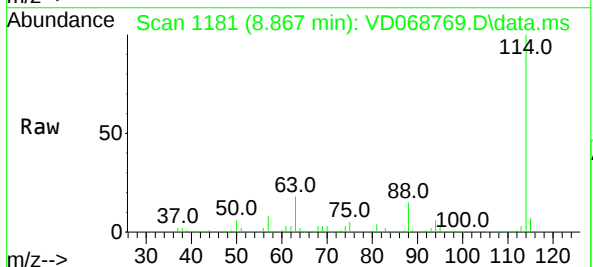
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

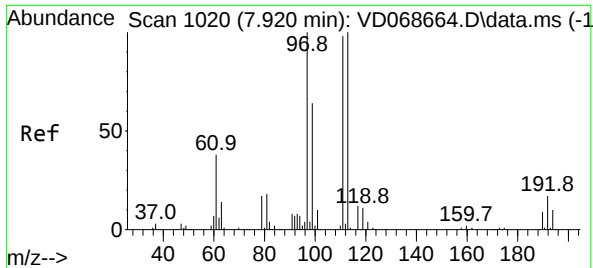
Tgt Ion: 65 Resp: 191341
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion: 114 Resp: 678872
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.2
88 15.2 0.0 29.4

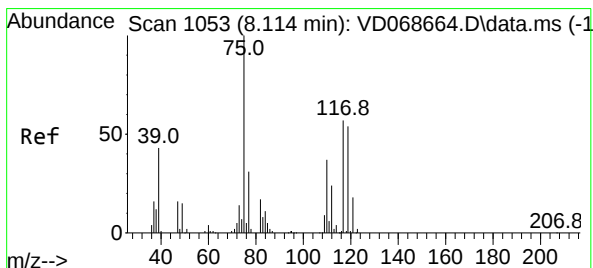
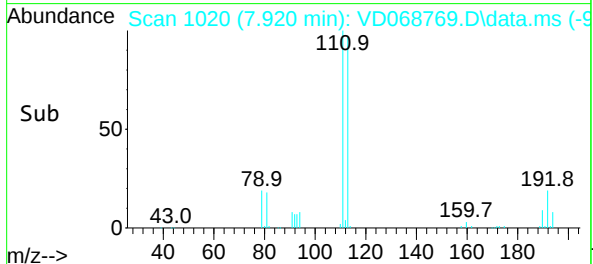
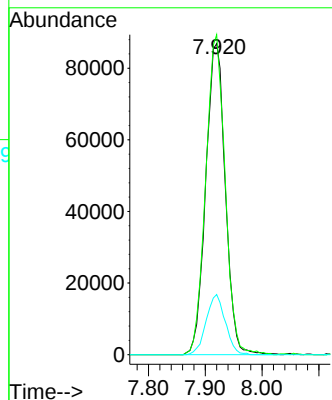
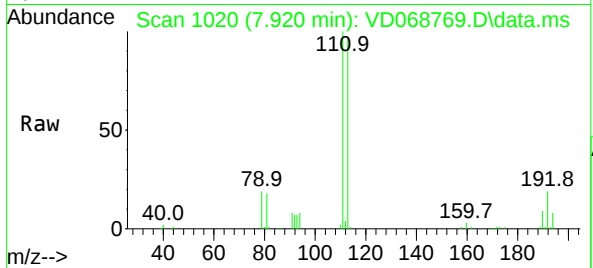




#35
Dibromofluoromethane
Concen: 49.15 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

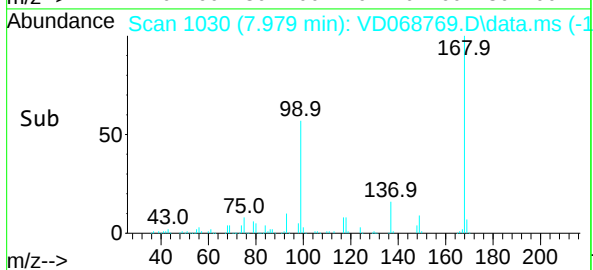
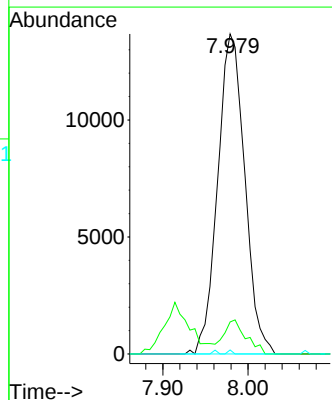
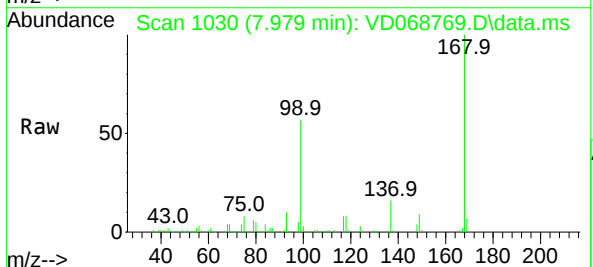
Instrument :
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B6-0-2

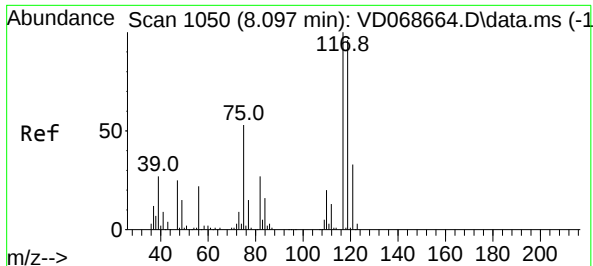
Tgt Ion:113 Resp: 207600
Ion Ratio Lower Upper
113 100
111 102.0 82.5 123.7
192 18.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.136 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

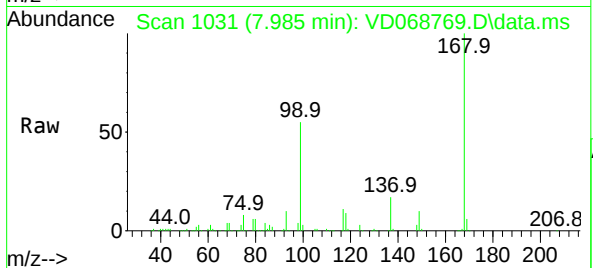
Tgt Ion: 75 Resp: 30191
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.2 24.7 37.1#



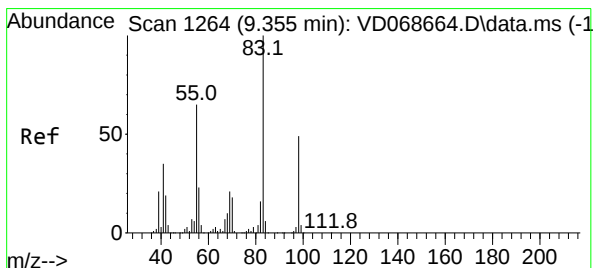
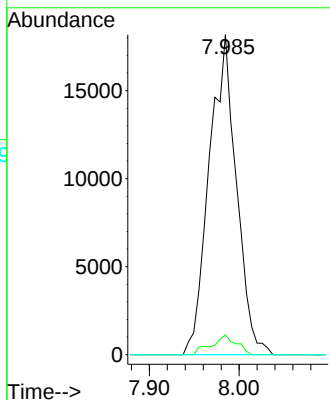
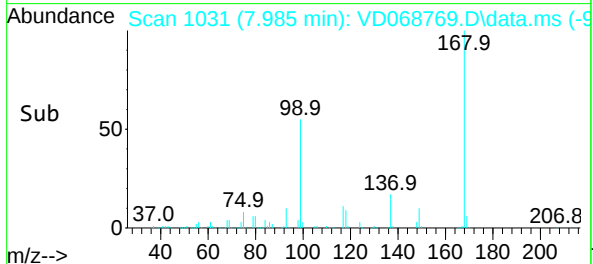


#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

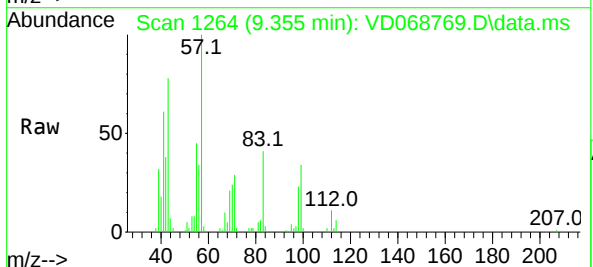
Instrument :
MSVOA_D
ClientSampled :
B6-0-2



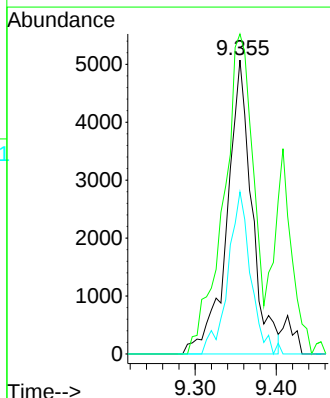
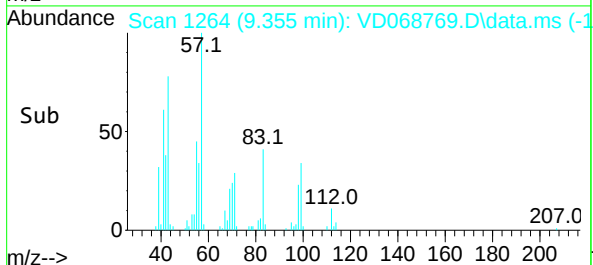
Tgt Ion:117 Resp: 38310
Ion Ratio Lower Upper
117 100
119 6.2 76.6 115.0#
121 0.0 26.1 39.1#

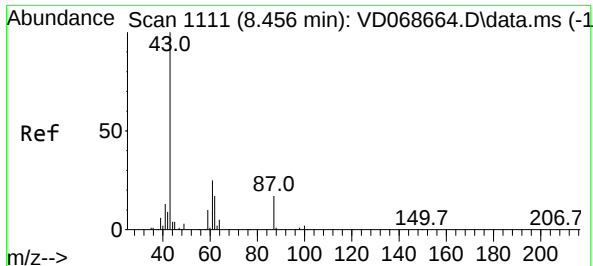


#39
Methylcyclohexane
Concen: 1.44 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15



Tgt Ion: 83 Resp: 10799
Ion Ratio Lower Upper
83 100
55 108.8 51.7 77.5#
98 55.2 38.8 58.2



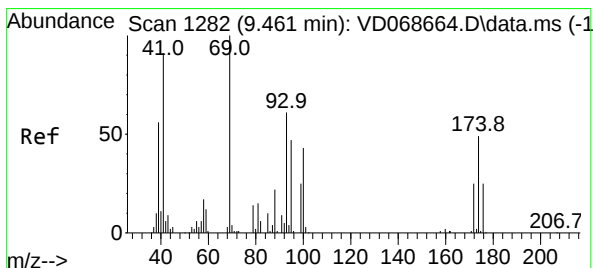
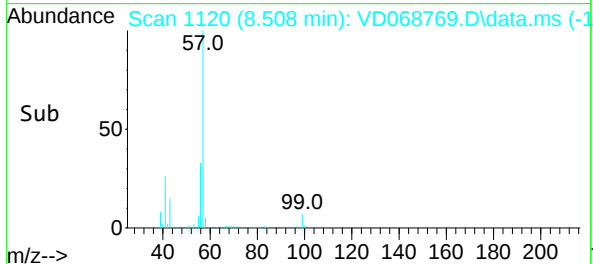
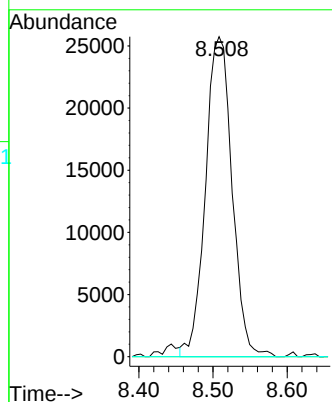
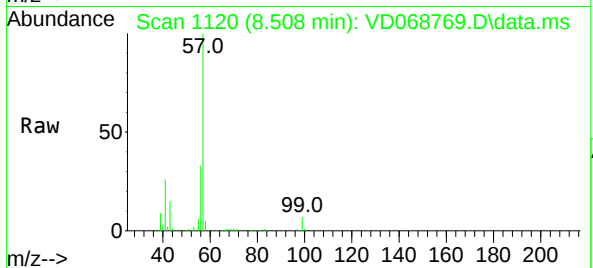


#43

Isopropyl Acetate
Concen: 17.48 ug/l
RT: 8.508 min Scan# 1120
Delta R.T. 0.053 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Instrument :
MSVOA_D
ClientSampled :
B6-0-2

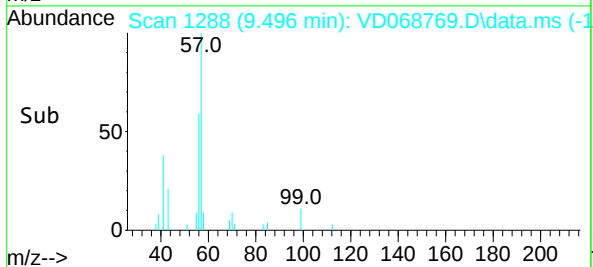
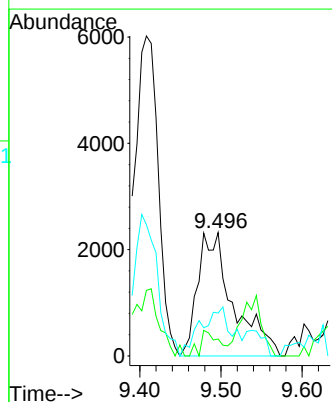
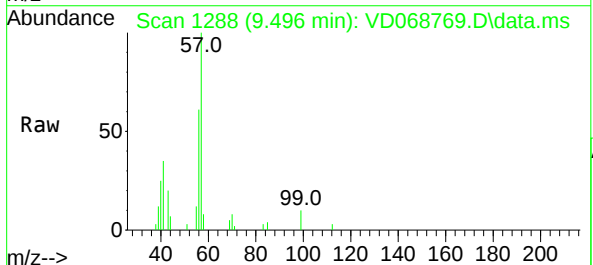
Tgt Ion: 43 Resp: 64146
Ion Ratio Lower Upper
43 100
61 0.0 29.5 44.3#
87 0.0 13.5 20.3#

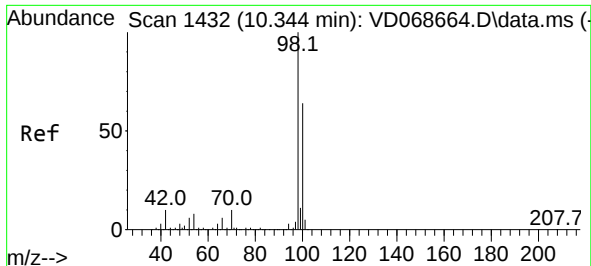


#48

Methyl methacrylate
Concen: 3.78 ug/l
RT: 9.496 min Scan# 1288
Delta R.T. 0.035 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion: 41 Resp: 7031
Ion Ratio Lower Upper
41 100
69 0.0 83.0 124.6#
39 34.2 47.0 70.6#

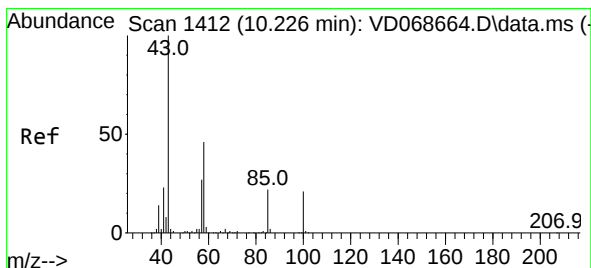
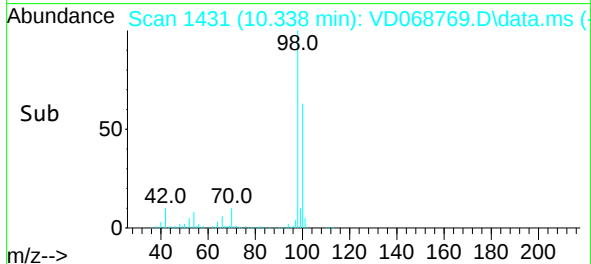
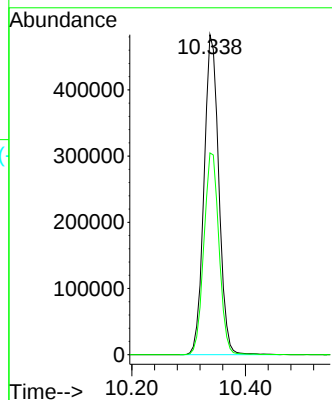
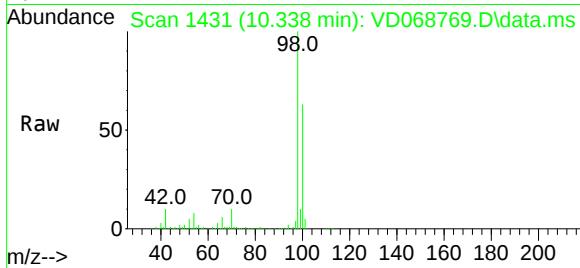




#50
Toluene-d8
Concen: 53.38 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

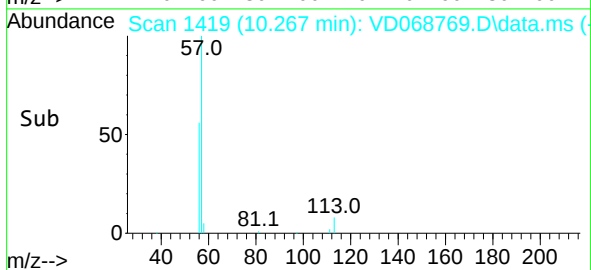
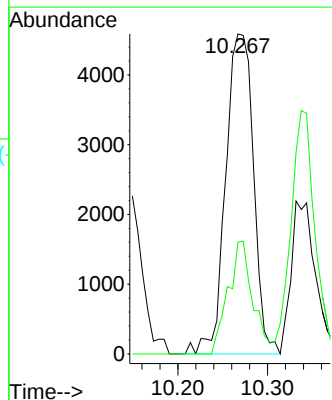
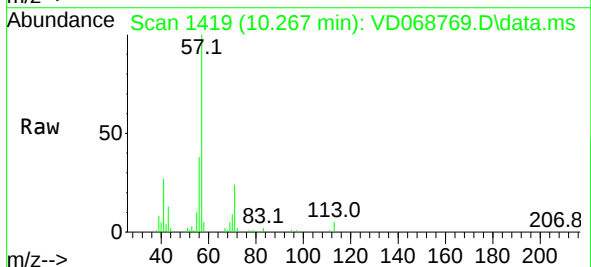
Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

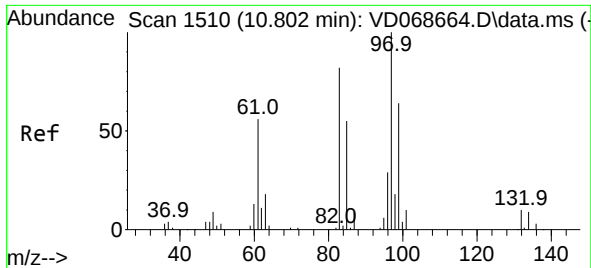
Tgt Ion: 98 Resp: 869325
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.17 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion: 43 Resp: 9885
Ion Ratio Lower Upper
43 100
58 31.0 37.3 55.9#

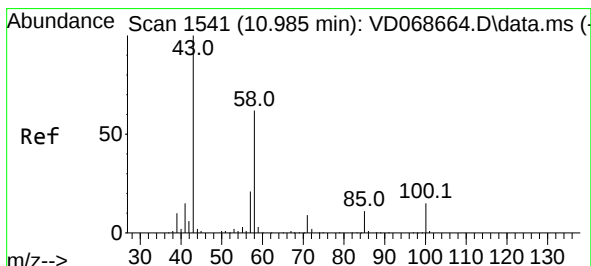
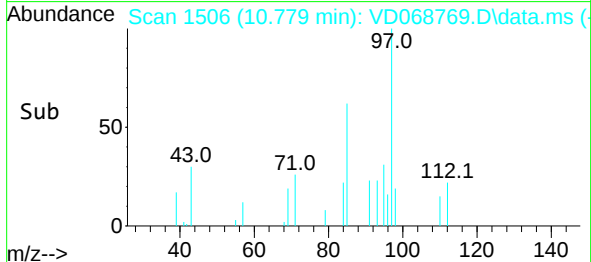
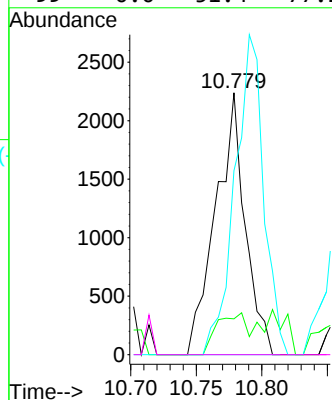
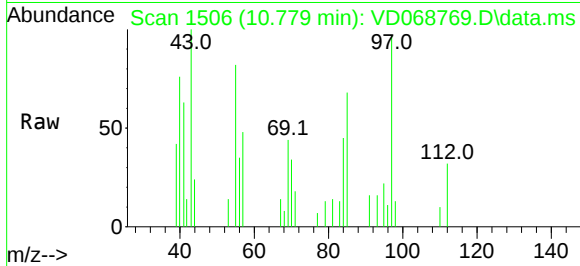




#55
1,1,2-Trichloroethane
Concen: 1.03 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.024 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

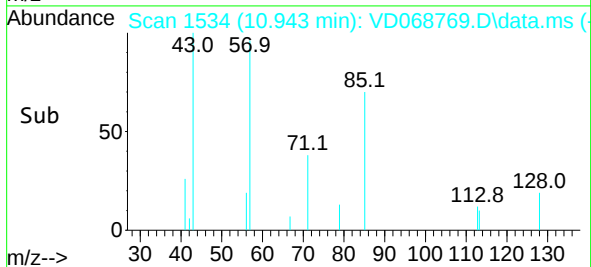
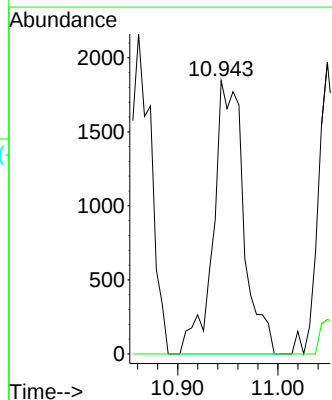
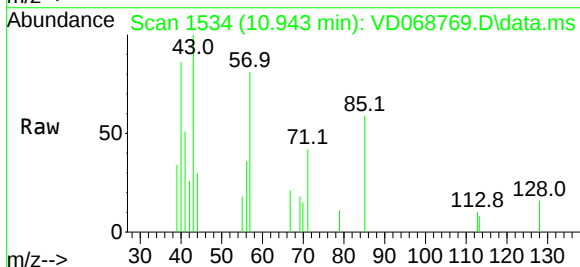
Instrument :
MSVOA_D
ClientSampled :
B6-0-2

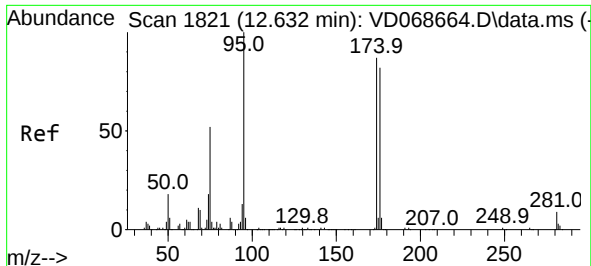
Tgt Ion: 97	Resp: 3491
Ion Ratio	Lower Upper
97 100	
83 13.7	65.7 98.5#
85 70.3	44.3 66.5#
99 0.0	51.4 77.2#



#59
2-Hexanone
Concen: 3.01 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.041 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion: 43	Resp: 3867
Ion Ratio	Lower Upper
43 100	
58 0.0	31.3 93.8#

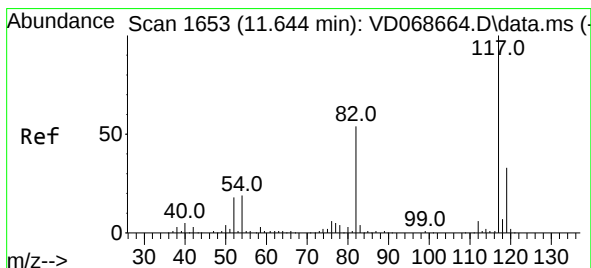
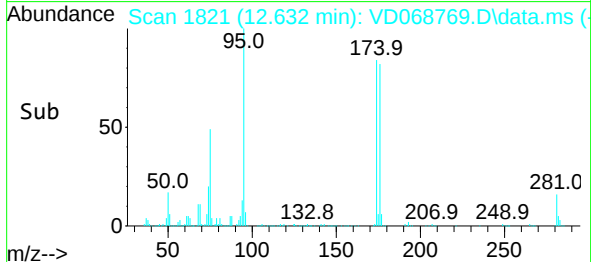
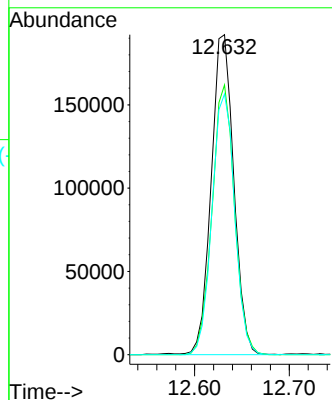
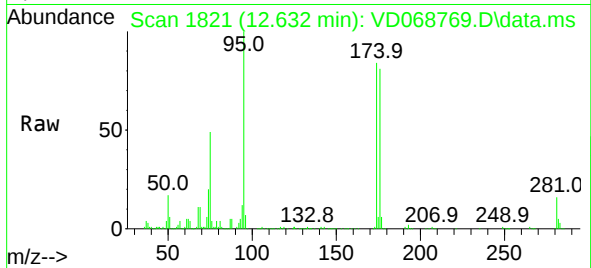




#62
4-Bromofluorobenzene
Concen: 60.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

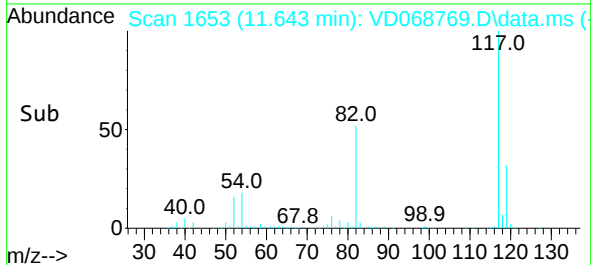
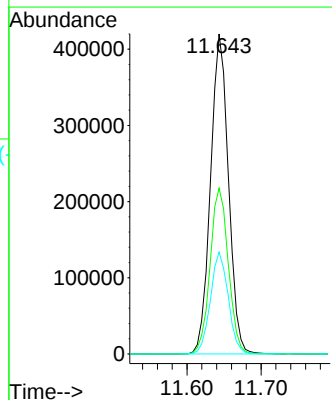
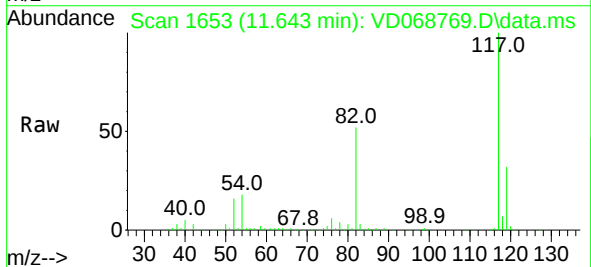
Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

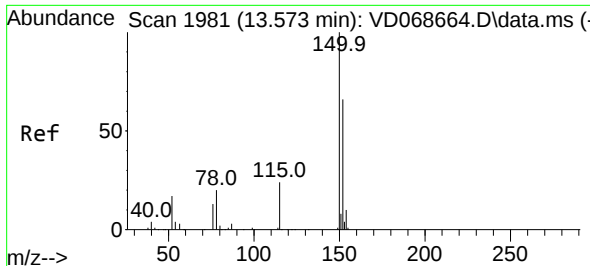
Tgt Ion:	95	Resp:	318224
Ion Ratio	Lower	Upper	
95	100		
174	83.6	0.0	168.0
176	81.7	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion:	117	Resp:	705349
Ion Ratio	Lower	Upper	
117	100		
82	51.7	43.5	65.3
119	31.8	26.7	40.1

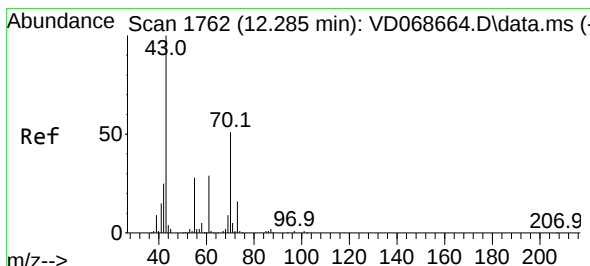
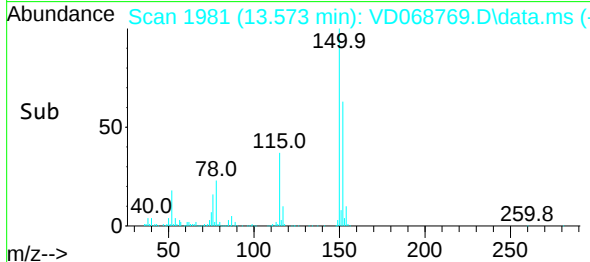
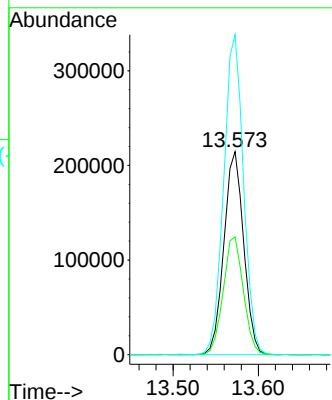
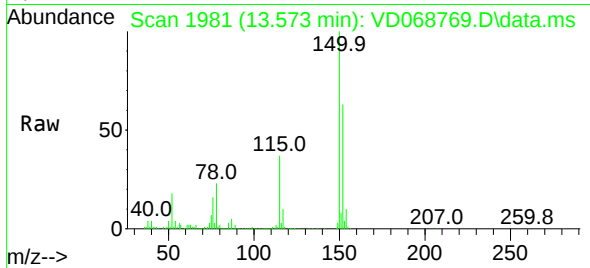




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

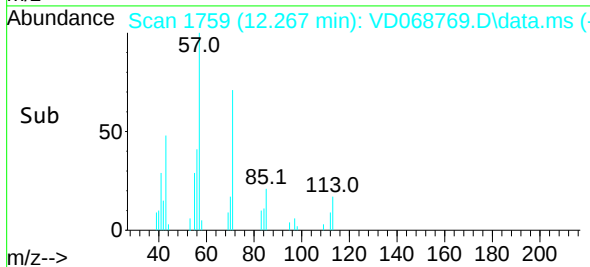
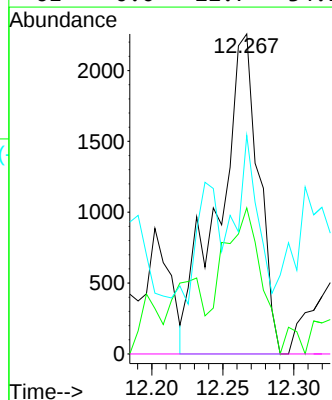
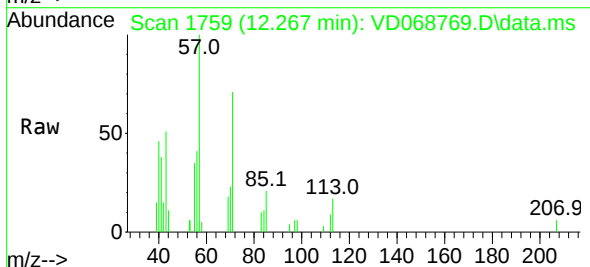
Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

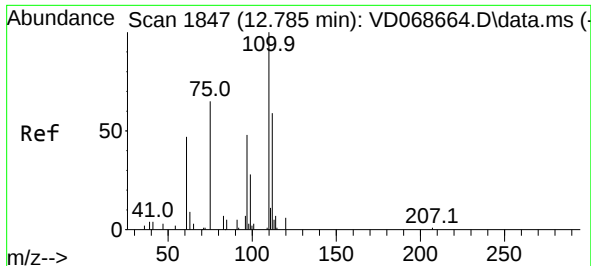
Tgt Ion:152 Resp: 345961
Ion Ratio Lower Upper
152 100
115 59.1 29.3 87.8
150 157.8 0.0 347.6



#74
N-ethyl acetate
Concen: 1.12 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
70 31.4 41.9 62.9#
55 24.6 22.8 34.2
61 0.0 22.7 34.1#

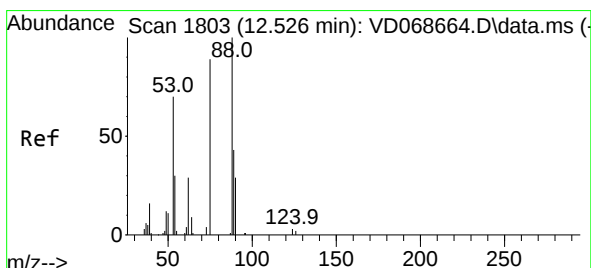
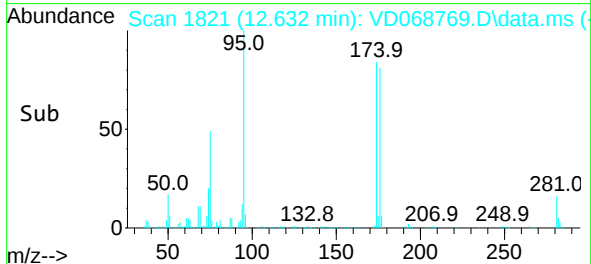
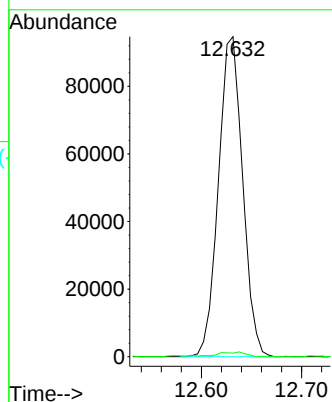
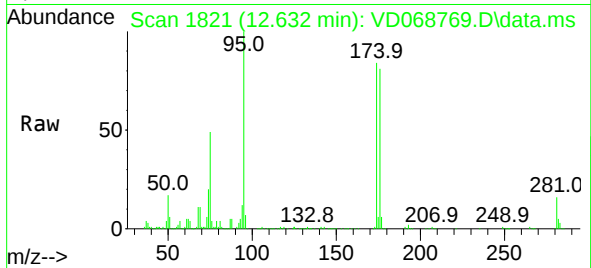




#76
1,2,3-Trichloropropane
Concen: 55.07 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

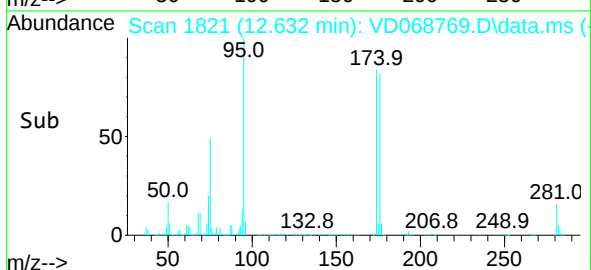
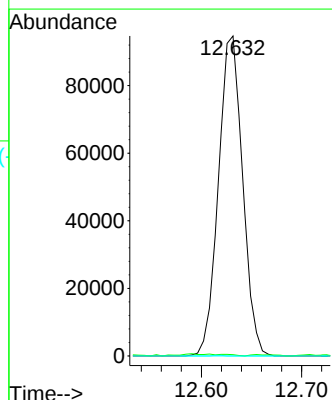
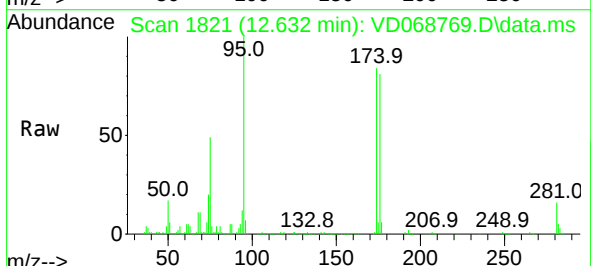
Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

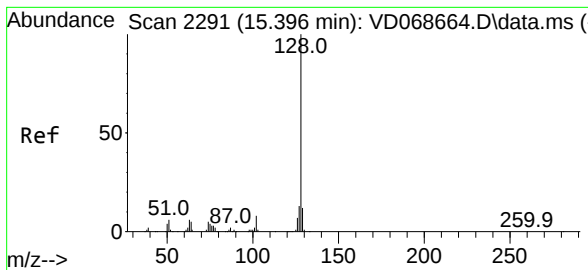
Tgt Ion: 75 Resp: 158577
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.29 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Tgt Ion: 75 Resp: 158577
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 36.6 54.8#





#95
Naphthalene
Concen: 1.28 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068769.D
Acq: 01 Apr 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :
B6-0-2

Tgt Ion:	128	Resp:	13702
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.4
129	11.5	8.9	13.3

