

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068821.D
 Acq On : 09 Apr 2021 19:36
 Operator : VA/SY
 Sample : M1998-04
 Misc : 3.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3D

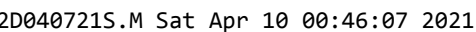
Quant Time: Apr 10 00:46:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

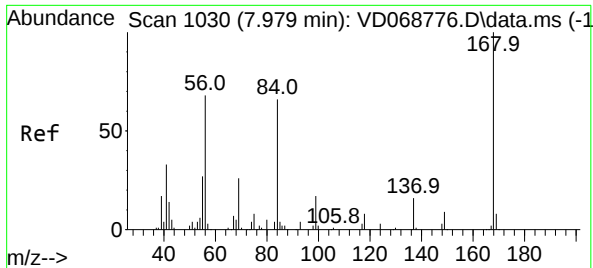
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	456698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	791600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	840315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	405367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	199558	41.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.70%		
35) Dibromofluoromethane	7.920	113	239252	46.47	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.94%		
50) Toluene-d8	10.338	98	1024023	52.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.44%		
62) 4-Bromofluorobenzene	12.626	95	383676	59.48	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	118.96%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	144	2.27	ug/l #	41
11) Tert butyl alcohol	5.244	59	143	Below Cal	#	73
16) Acetone	4.161	43	56325	84.27	ug/l	94
17) Carbon Disulfide	4.409	76	24126	1.63	ug/l #	95
20) Methylene Chloride	4.967	84	18349	Below Cal		87
25) 2-Butanone	7.220	43	11378	12.03	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	8084	1.39	ug/l	90
31) Cyclohexane	7.979	56	12235	1.52	ug/l #	31
36) 1,1-Dichloropropene	7.985	75	32801	4.09	ug/l #	50
37) Ethyl Acetate	7.220	43	11378	4.83	ug/l #	1
38) Carbon Tetrachloride	7.979	117	44335	5.59	ug/l #	16
39) Methylcyclohexane	9.355	83	27894	2.99	ug/l #	77
44) Trichloroethene	9.108	130	11361	1.75	ug/l	72
51) 4-Methyl-2-Pentanone	10.267	43	7979	3.30	ug/l #	52
55) 1,1,2-Trichloroethane	10.773	97	16132	3.66	ug/l #	29
56) Ethyl methacrylate	10.679	69	4770	1.05	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.920	63	300	17.11	ug/l #	44
59) 2-Hexanone	10.949	43	32085	19.83	ug/l #	25
74) N-amyl acetate	12.261	43	29852	5.95	ug/l #	64
76) 1,2,3-Trichloropropane	12.626	75	193234	52.18	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	193234	121.09	ug/l #	16
95) Naphthalene	15.396	128	101277	7.70	ug/l	97

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

Quant Time: Apr 10 00:46:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

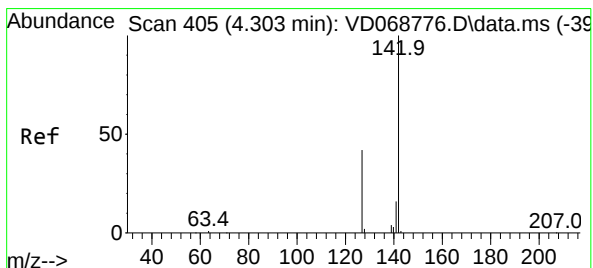
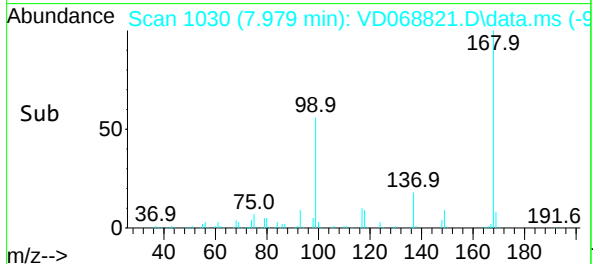
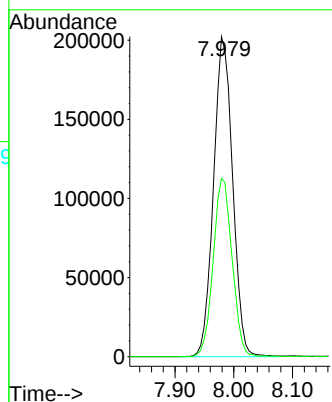
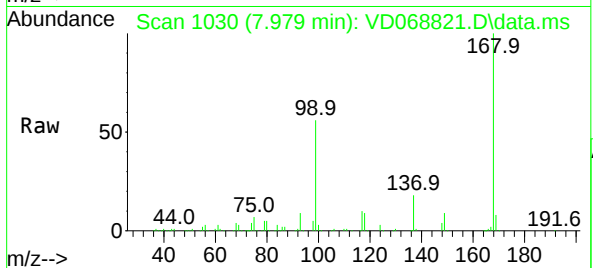




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

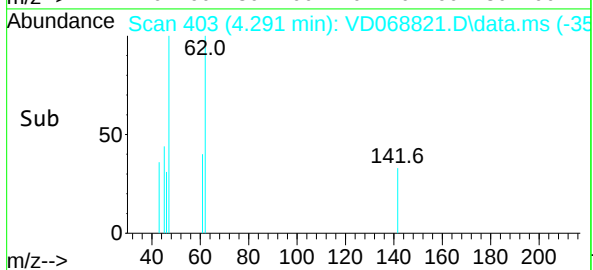
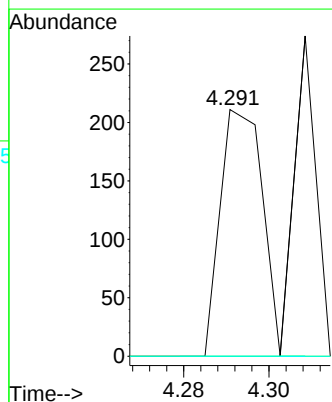
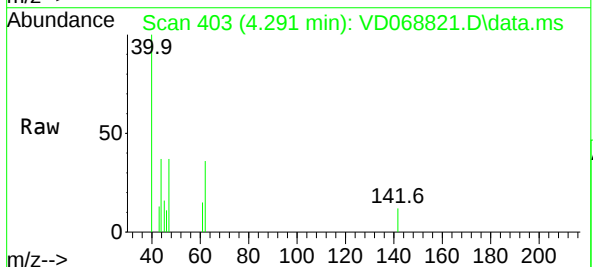
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

Tgt Ion:168 Resp: 456698
Ion Ratio Lower Upper
168 100
99 55.8 46.2 69.2



#10
Methyl Iodide
Concen: 2.27 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion:142 Resp: 144
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

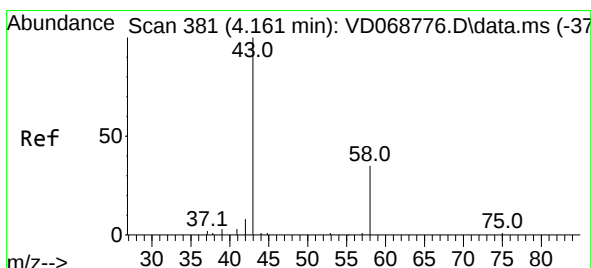
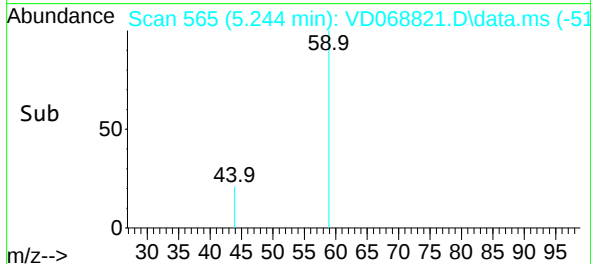
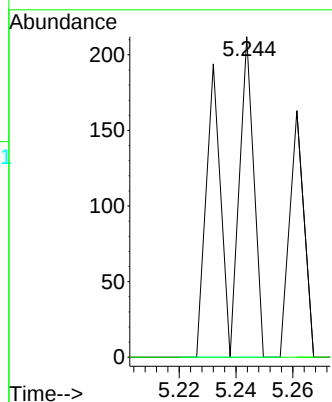
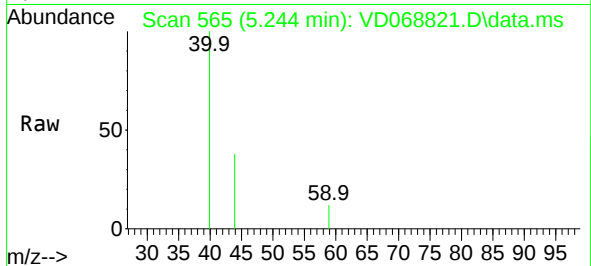




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.244 min Scan# 565
Delta R.T. 0.024 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

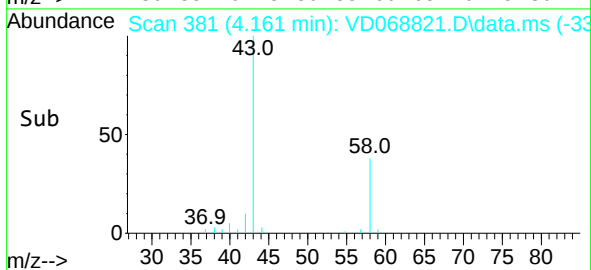
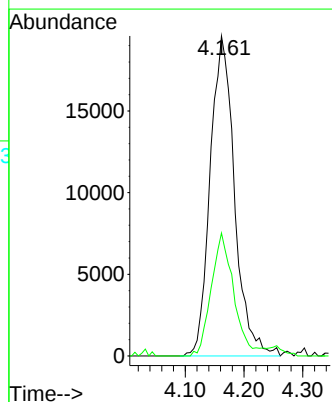
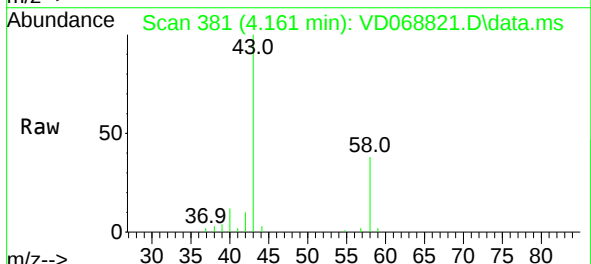
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ClientSampleID :
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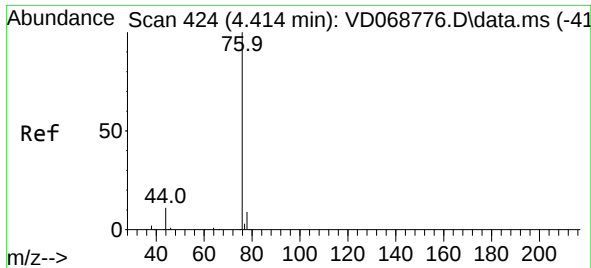
Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 84.27 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 43 Resp: 56325
Ion Ratio Lower Upper
43 100
58 38.4 28.0 42.0

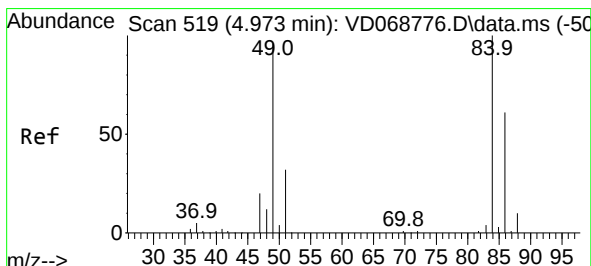
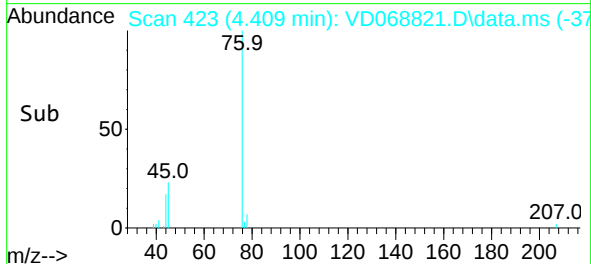
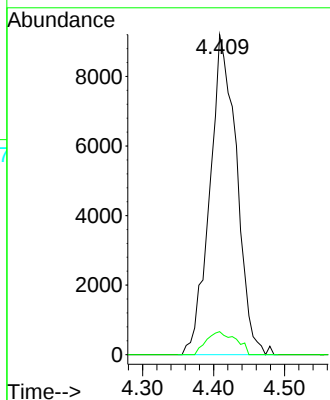
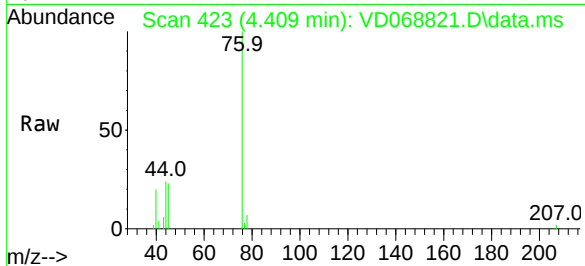




#17
Carbon Disulfide
Concen: 1.63 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

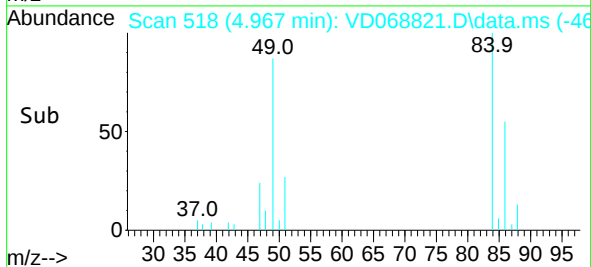
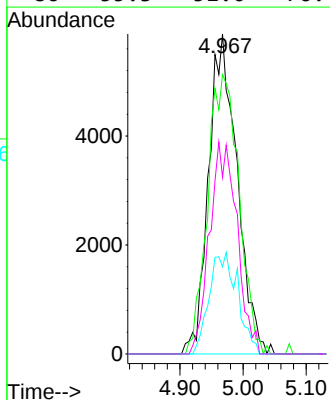
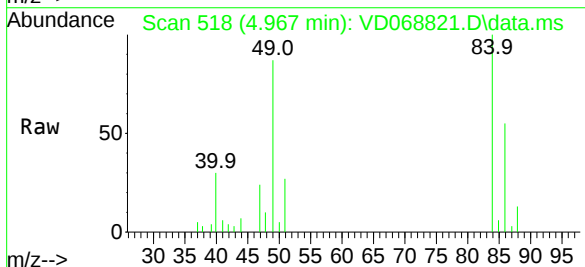
Instrument :
MSVOA_D
ClientSampleID :
SB-3D

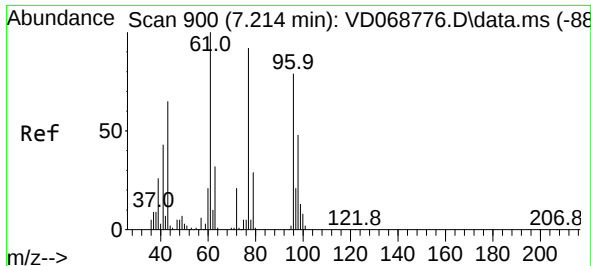
Tgt Ion: 76 Resp: 24126
Ion Ratio Lower Upper
76 100
78 7.2 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 84 Resp: 18349
Ion Ratio Lower Upper
84 100
49 87.3 83.4 125.0
51 27.3 23.4 35.2
86 55.3 51.0 76.4

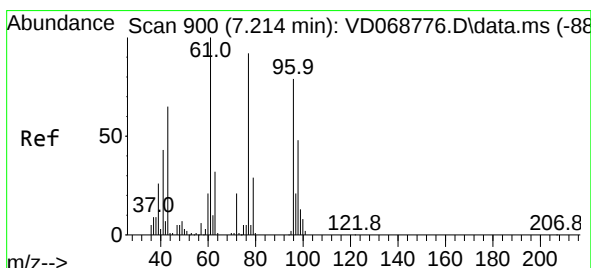
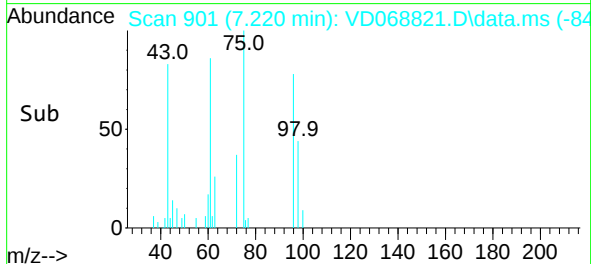
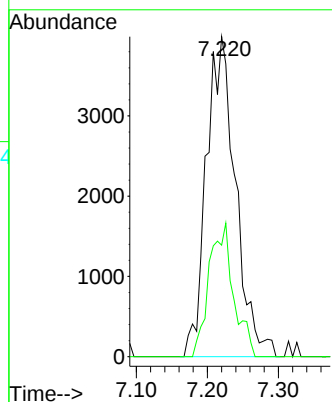
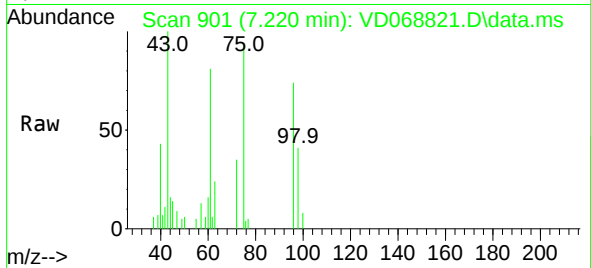




#25
2-Butanone
Concen: 12.03 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

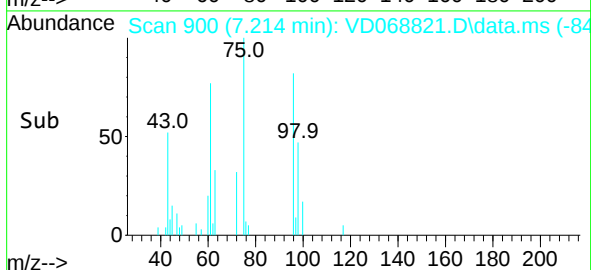
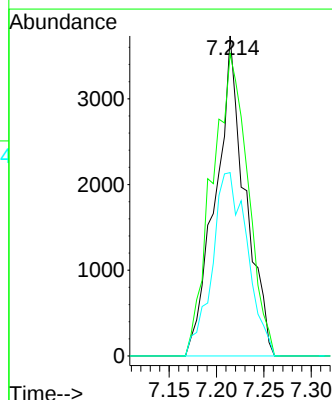
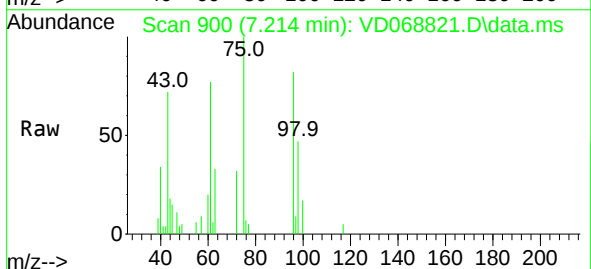
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

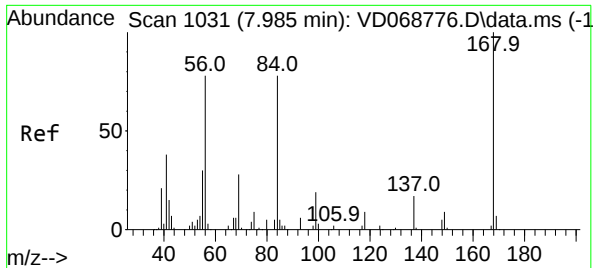
Tgt Ion: 43 Resp: 11378
Ion Ratio Lower Upper
43 100
72 34.9 28.6 43.0



#27
cis-1,2-Dichloroethene
Concen: 1.39 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 96 Resp: 8084
Ion Ratio Lower Upper
96 100
61 114.5 0.0 258.8
98 68.3 0.0 128.4

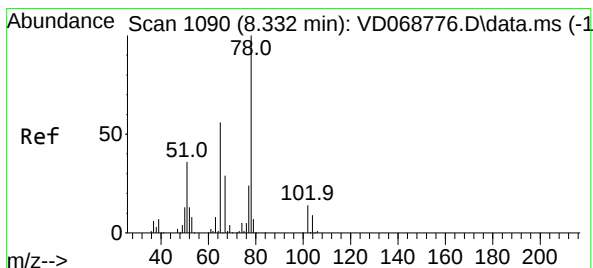
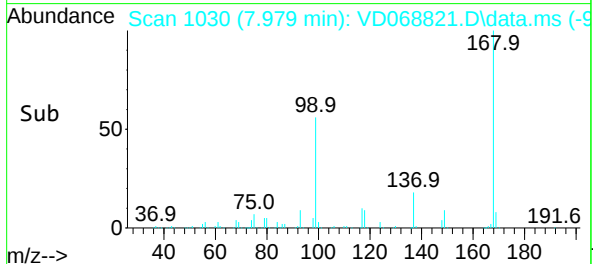
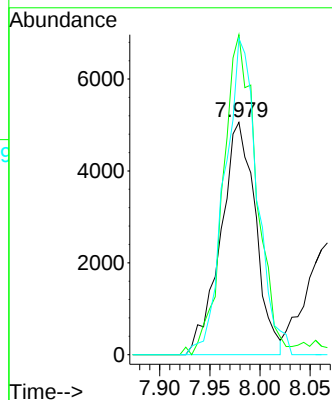
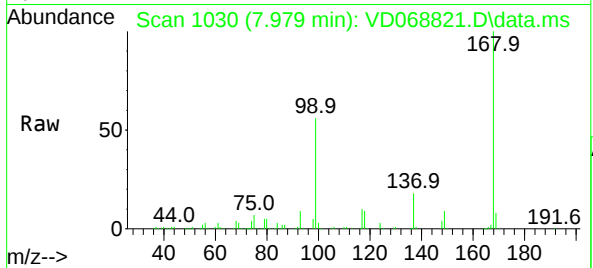




#31
Cyclohexane
Concen: 1.52 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

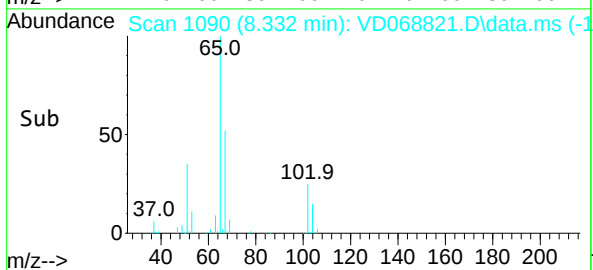
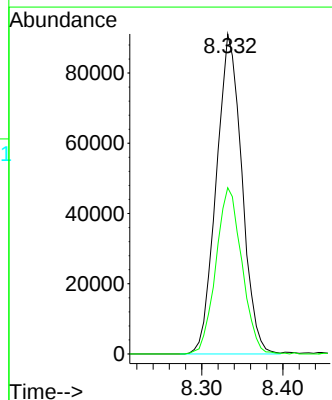
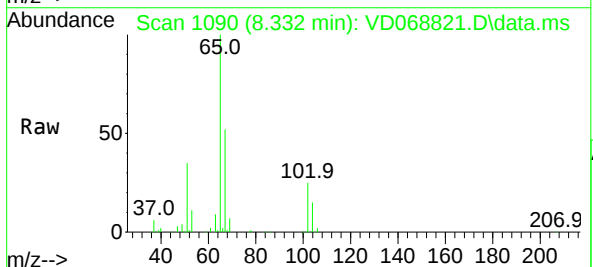
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

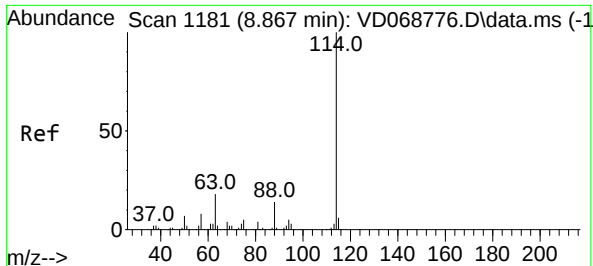
Tgt Ion: 56 Resp: 12235
Ion Ratio Lower Upper
56 100
69 137.7 30.0 45.0#
84 136.1 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 41.35 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 65 Resp: 199558
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0



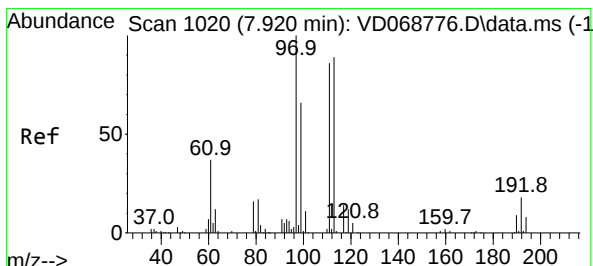
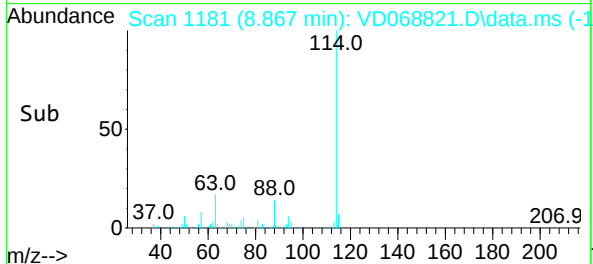
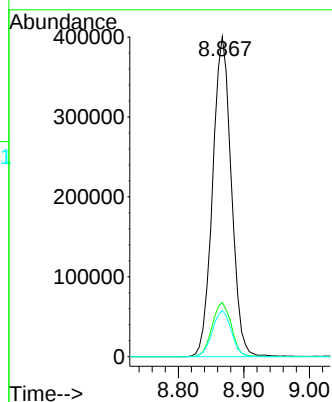
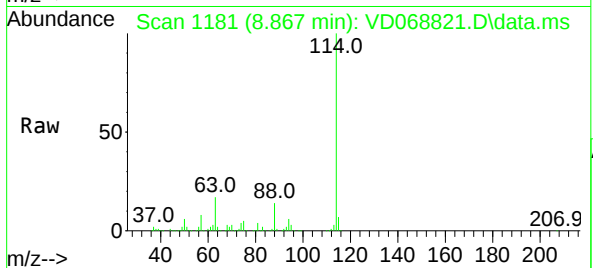


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :
SB-3D

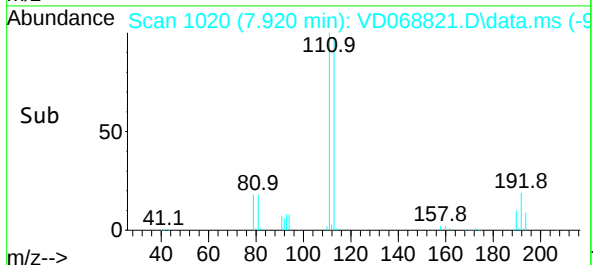
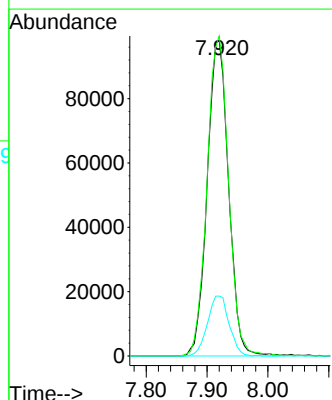
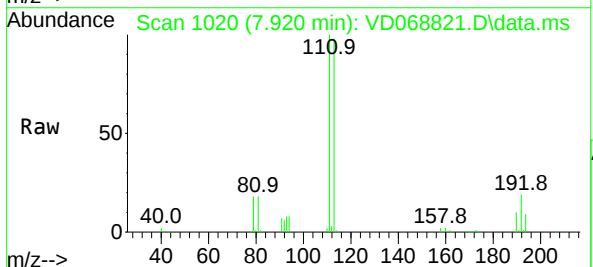
Tgt Ion:114 Resp: 791600
Ion Ratio Lower Upper
114 100
63 16.9 0.0 38.2
88 14.4 0.0 29.4

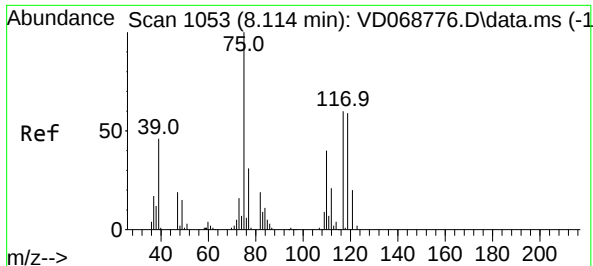


#35

Dibromofluoromethane
Concen: 46.47 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion:113 Resp: 239252
Ion Ratio Lower Upper
113 100
111 102.2 82.5 123.7
192 19.2 15.1 22.7



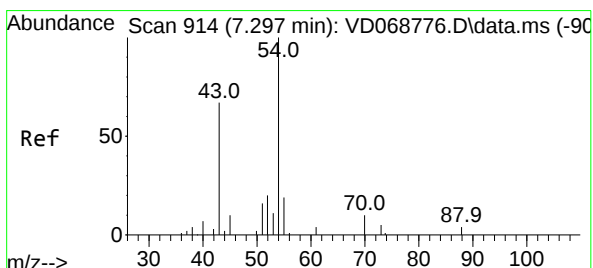
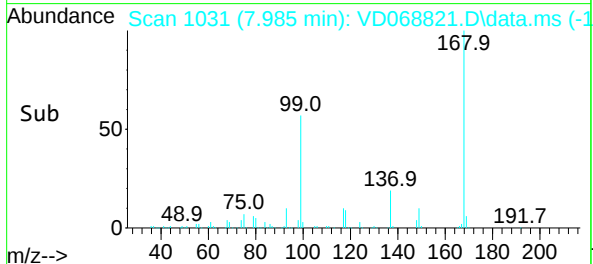
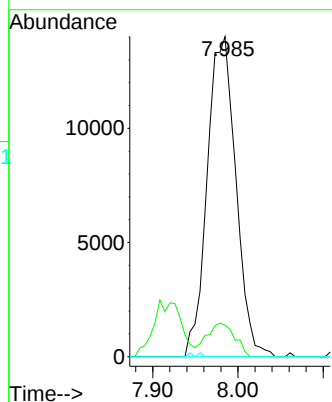
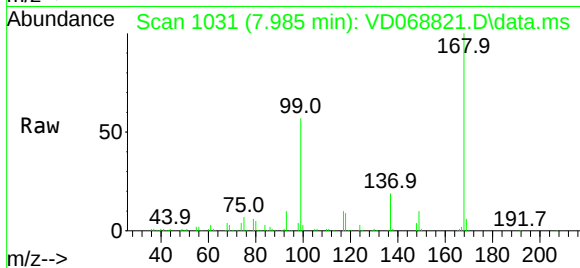


#36

1,1-Dichloropropene
Concen: 4.09 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :
SB-3D

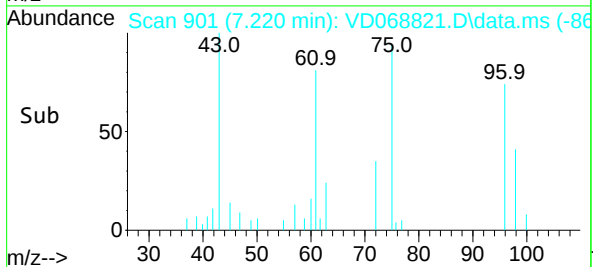
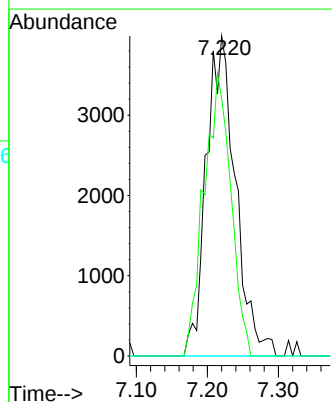
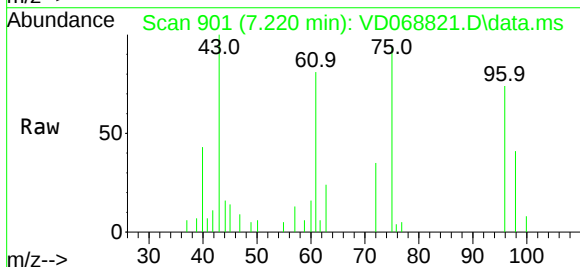
Tgt Ion: 75 Resp: 32801
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 24.7 37.1#

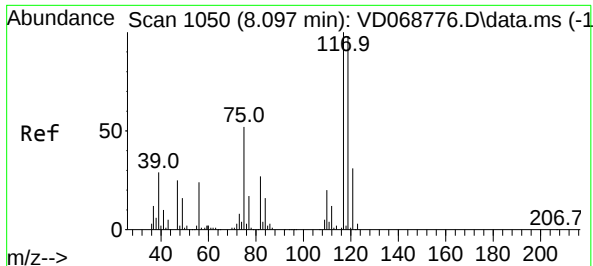


#37

Ethyl Acetate
Concen: 4.83 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.077 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

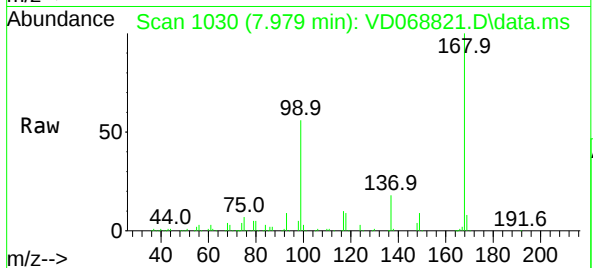
Tgt Ion: 43 Resp: 11378
Ion Ratio Lower Upper
43 100
61 81.3 14.2 21.4#
70 0.0 9.4 14.0#



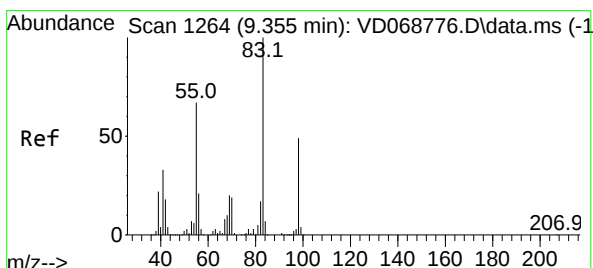
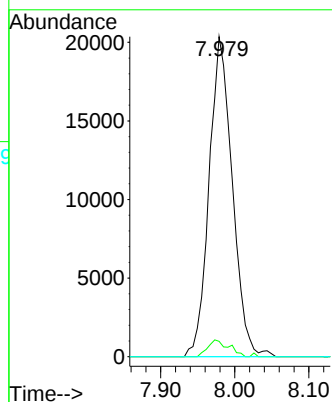
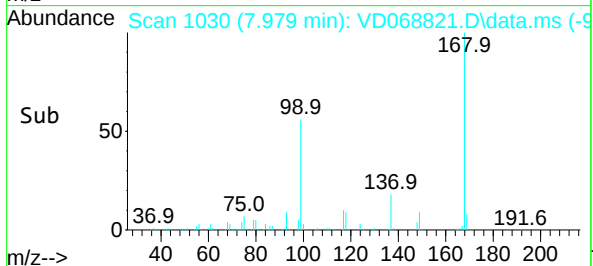


#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

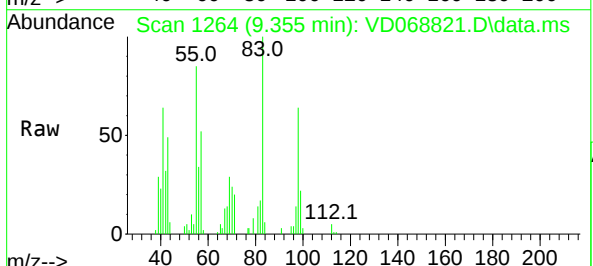
Instrument :
MSVOA_D
ClientSampleId :
SB-3D



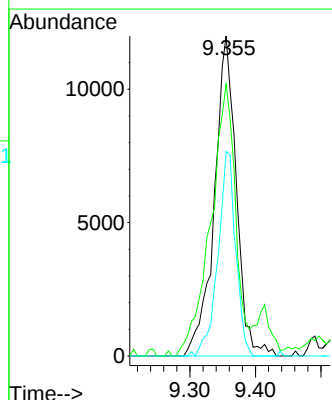
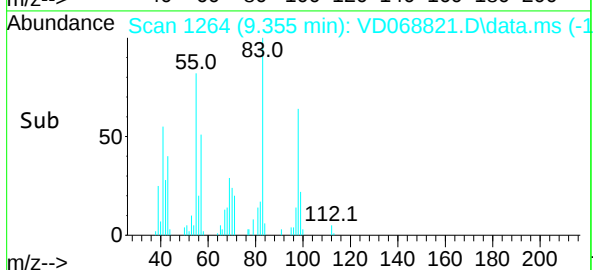
Tgt Ion:117 Resp: 44335
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 26.1 39.1#

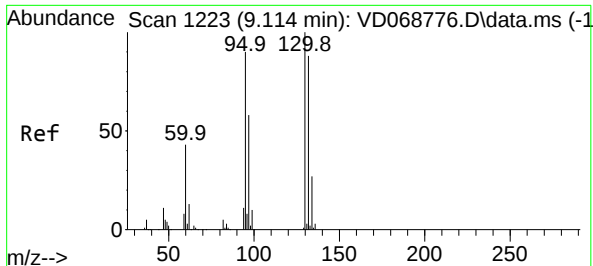


#39
Methylcyclohexane
Concen: 2.99 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36



Tgt Ion: 83 Resp: 27894
Ion Ratio Lower Upper
83 100
55 83.3 51.7 77.5#
98 63.9 38.8 58.2#

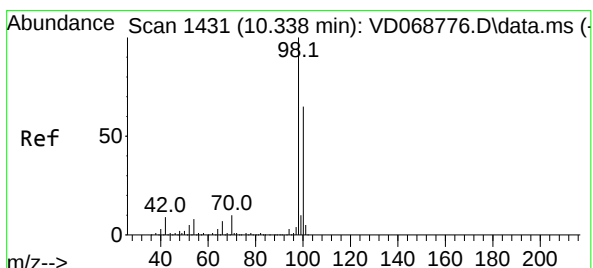
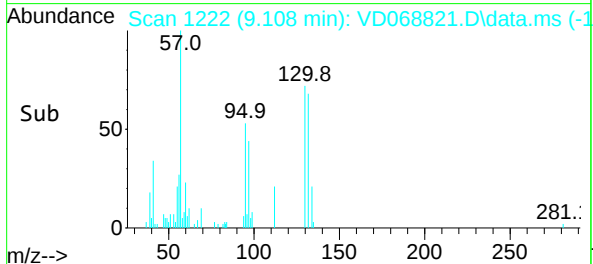
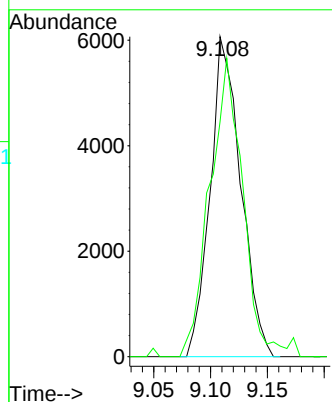
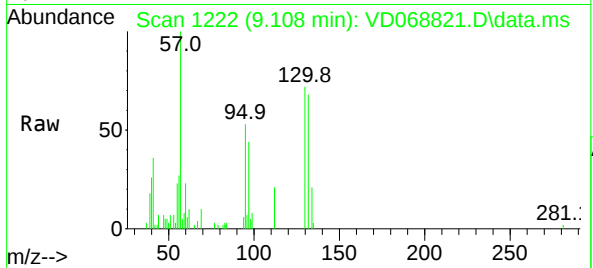




#44
Trichloroethene
Concen: 1.75 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

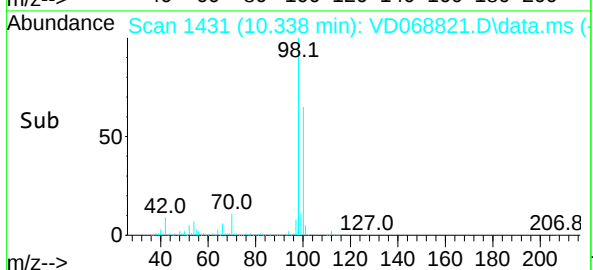
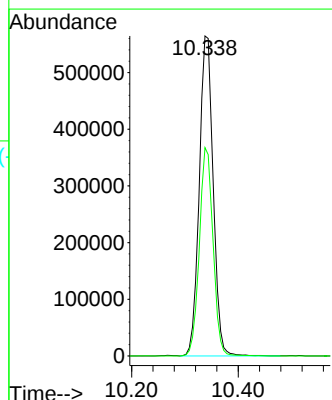
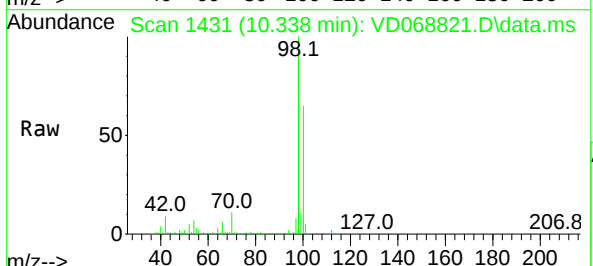
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

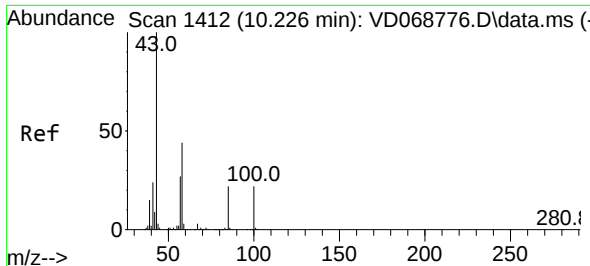
Tgt Ion:130 Resp: 11361
Ion Ratio Lower Upper
130 100
95 73.4 0.0 203.8



#50
Toluene-d8
Concen: 52.72 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 98 Resp: 1024023
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6

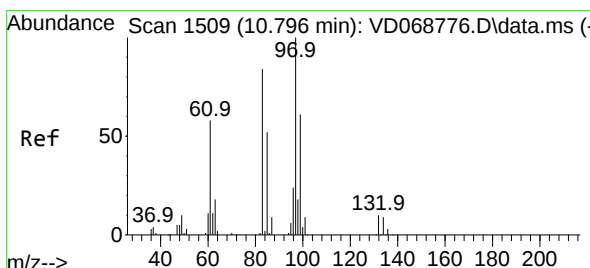
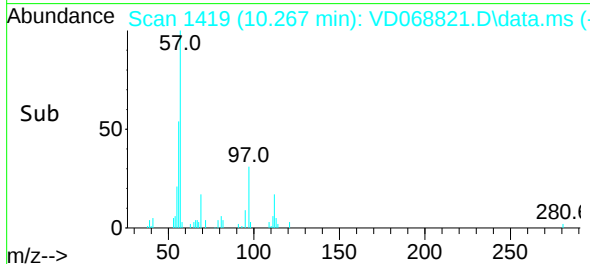
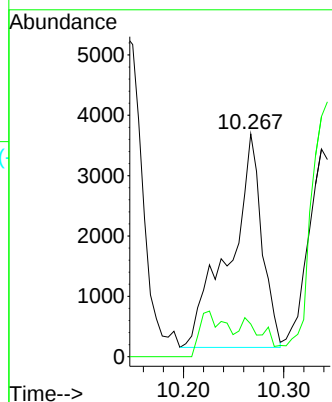
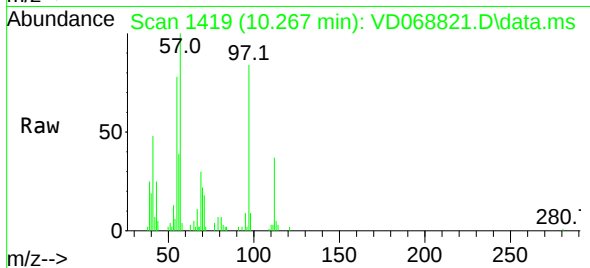




#51
4-Methyl-2-Pentanone
Concen: 3.30 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

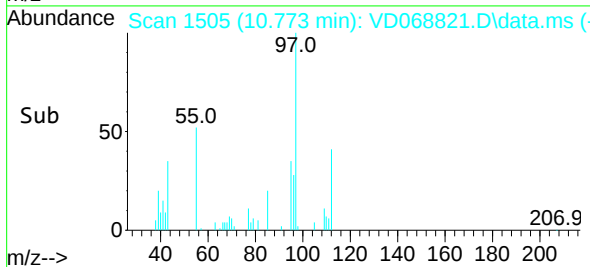
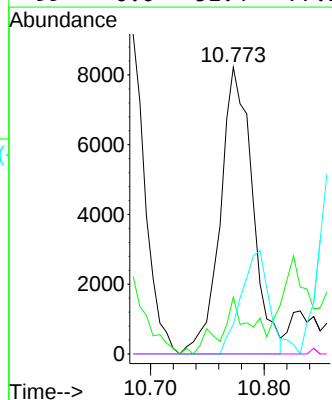
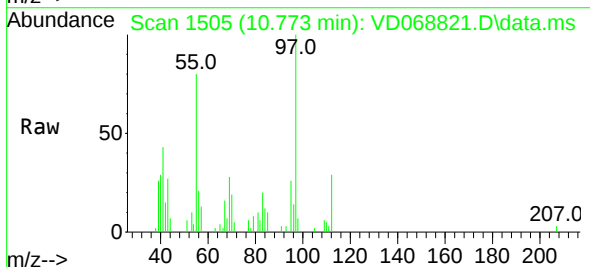
Instrument :
MSVOA_D
ClientSampled :
SB-3D

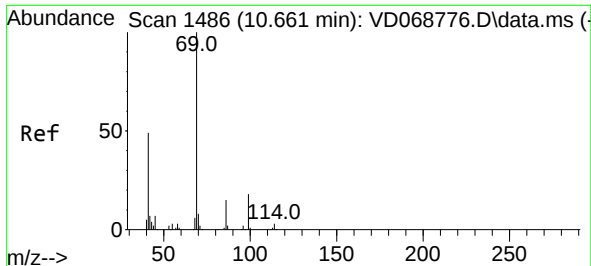
Tgt Ion: 43 Resp: 7979
Ion Ratio Lower Upper
43 100
58 14.9 37.3 55.9#



#55
1,1,2-Trichloroethane
Concen: 3.66 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 97 Resp: 16132
Ion Ratio Lower Upper
97 100
83 19.9 65.7 98.5#
85 10.2 44.3 66.5#
99 0.0 51.4 77.2#

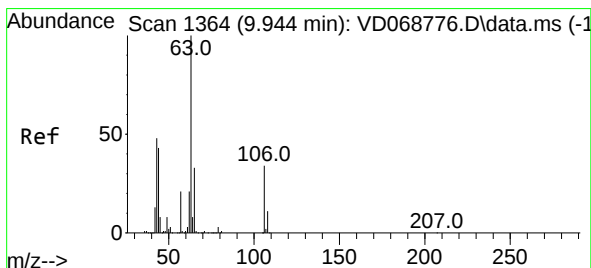
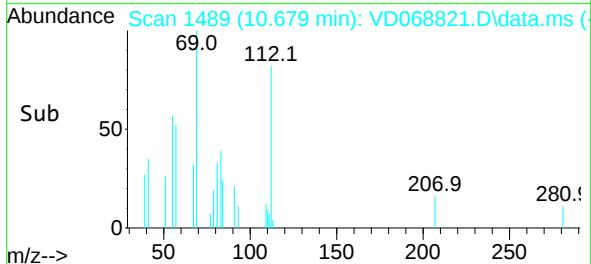
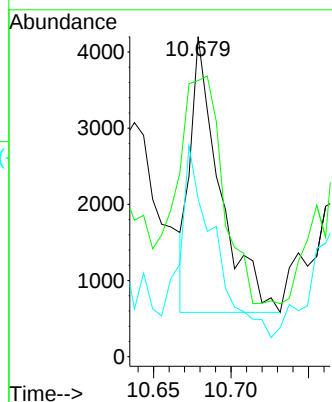
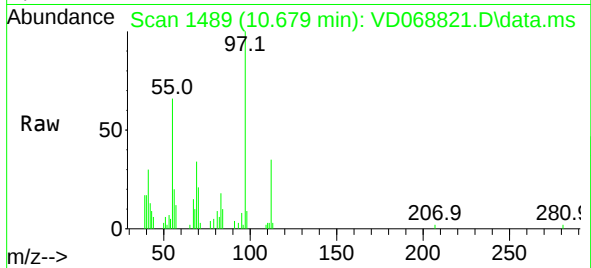




#56
Ethyl methacrylate
Concen: 1.05 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

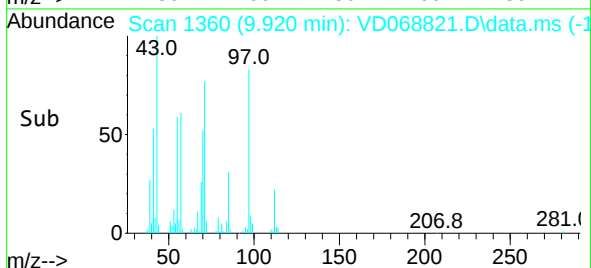
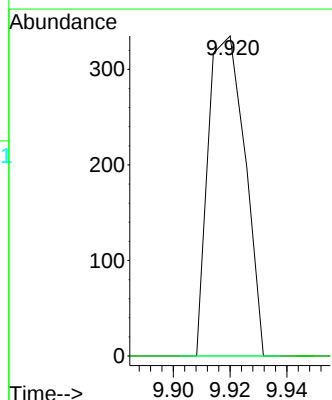
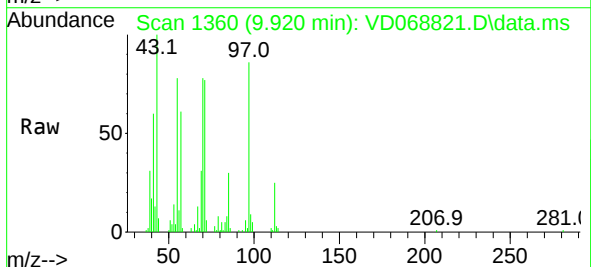
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

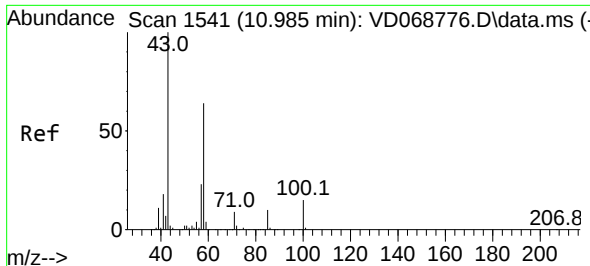
Tgt Ion: 69 Resp: 4770
Ion Ratio Lower Upper
69 100
41 128.7 42.2 63.4#
39 80.0 24.2 36.2#



#58
2-Chloroethyl Vinyl ether
Concen: 17.11 ug/l
RT: 9.920 min Scan# 1360
Delta R.T. -0.024 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 63 Resp: 300
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

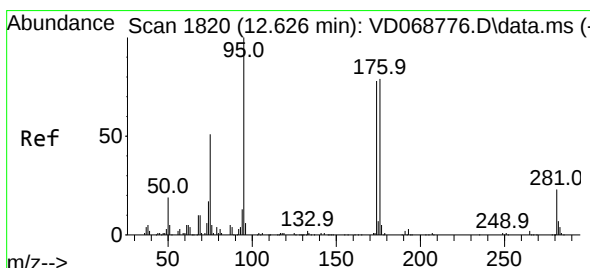
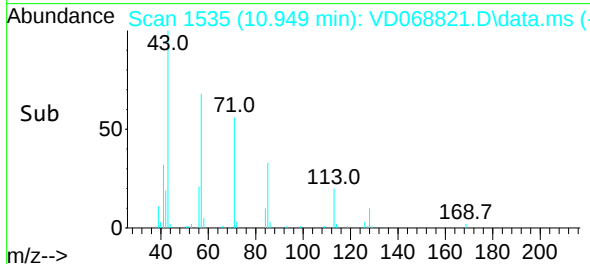
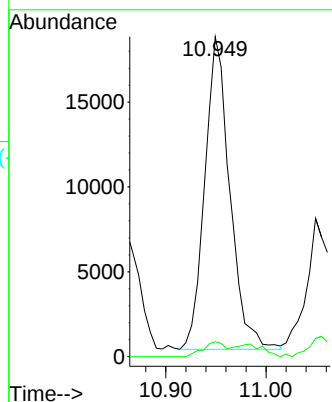
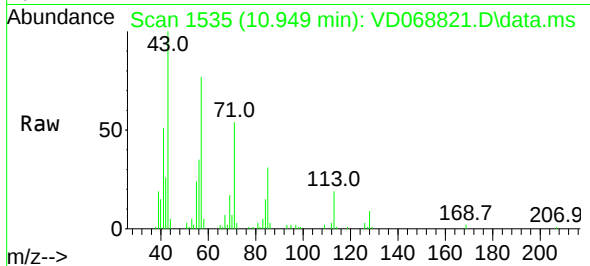




#59
2-Hexanone
Concen: 19.83 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.036 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

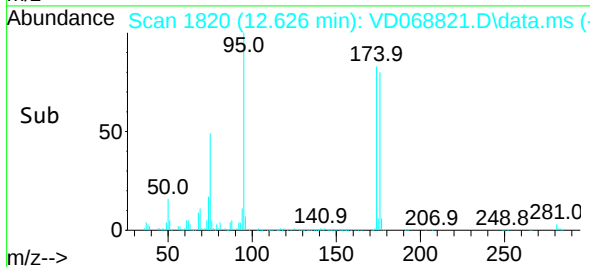
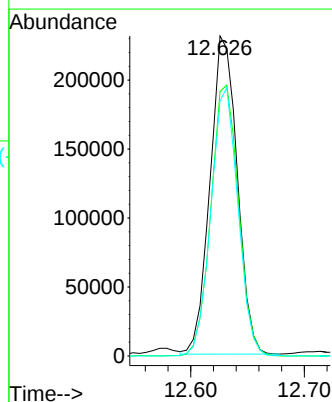
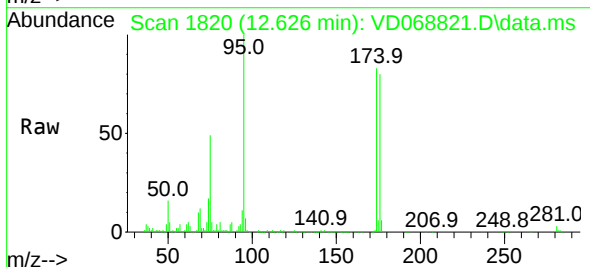
Instrument :
MSVOA_D
ClientSampled :
SB-3D

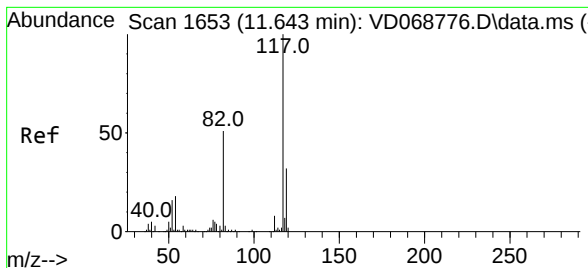
Tgt Ion: 43 Resp: 32085
Ion Ratio Lower Upper
43 100
58 4.2 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 59.48 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 95 Resp: 383676
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.0
176 83.8 0.0 160.2

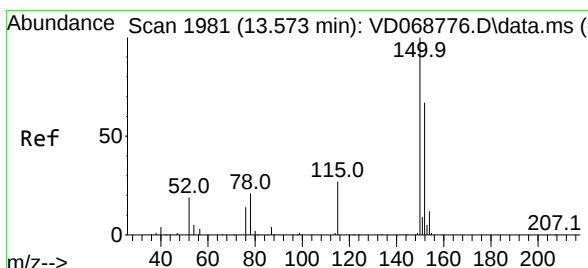
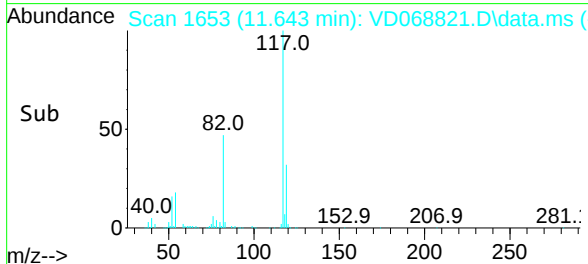
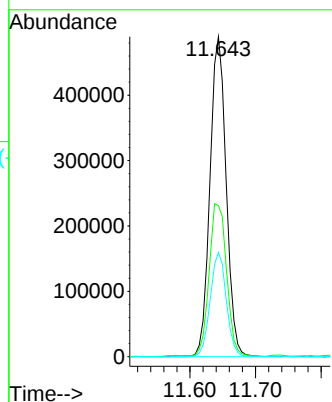
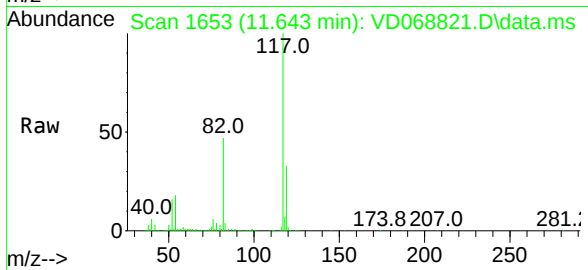




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

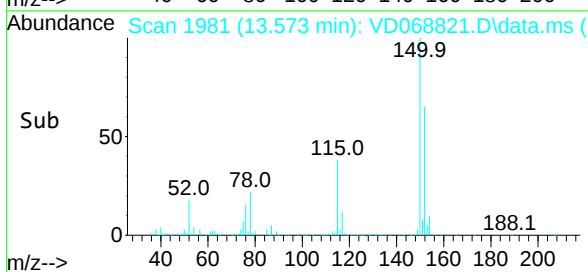
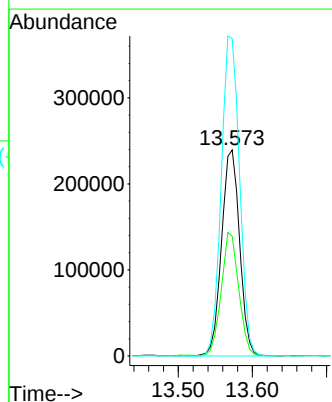
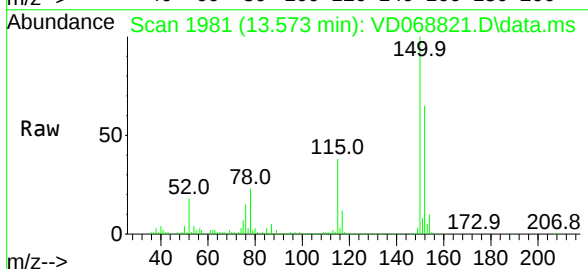
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

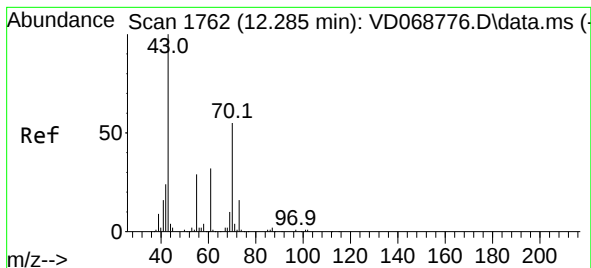
Tgt Ion:117 Resp: 840315
Ion Ratio Lower Upper
117 100
82 46.9 43.5 65.3
119 32.6 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion:152 Resp: 405367
Ion Ratio Lower Upper
152 100
115 57.5 29.3 87.8
150 156.6 0.0 347.6

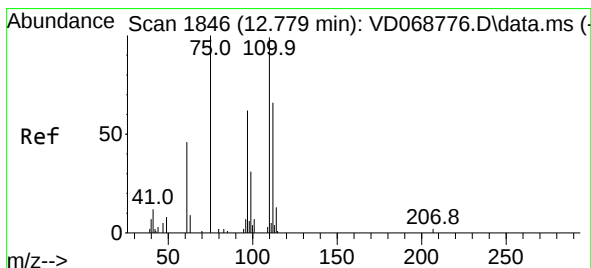
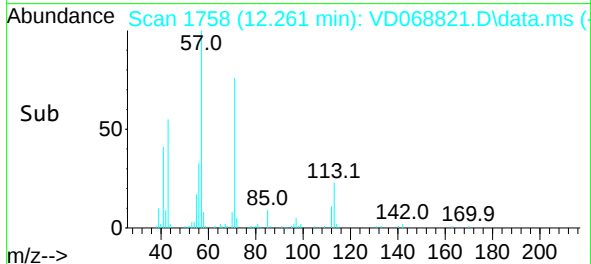
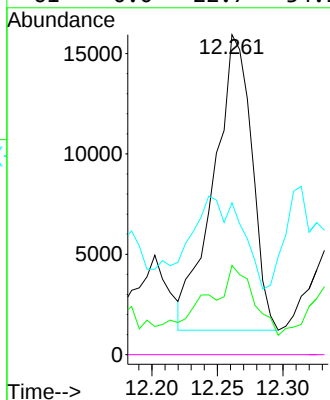
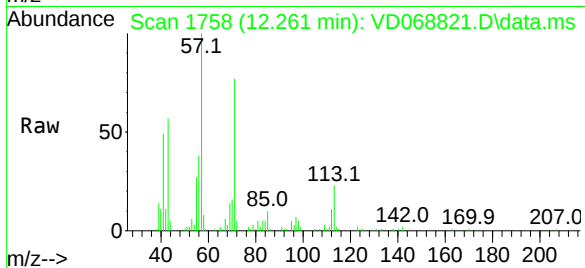




#74
N-amy1 acetate
Concen: 5.95 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

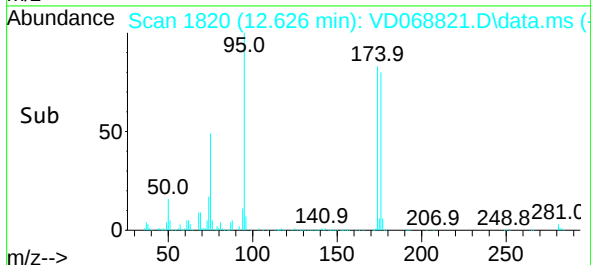
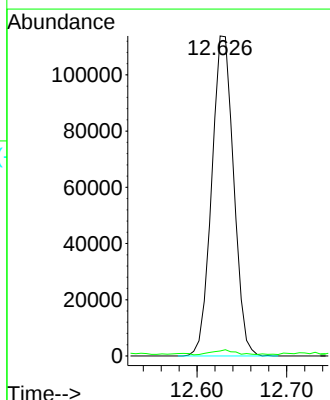
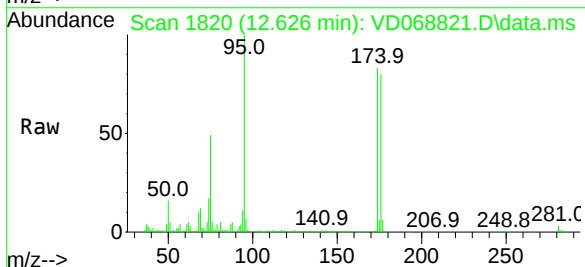
Instrument :
MSVOA_D
ClientSampleId :
SB-3D

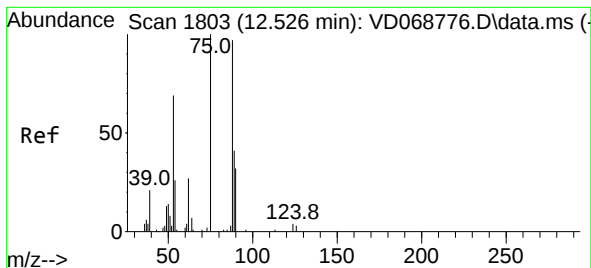
Tgt Ion: 43	Resp: 29852
Ion Ratio	Lower Upper
43 100	
70 28.5	41.9 62.9#
55 40.1	22.8 34.2#
61 0.0	22.7 34.1#



#76
1,2,3-Trichloropropane
Concen: 52.18 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion: 75	Resp: 193234
Ion Ratio	Lower Upper
75 100	
77 1.7	0.0 0.0#

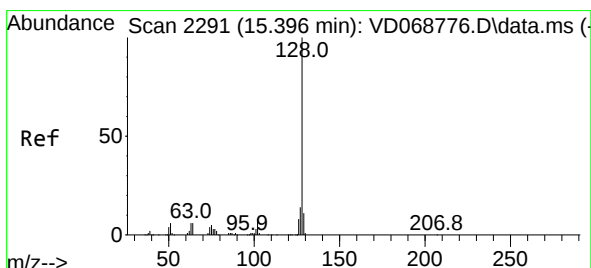
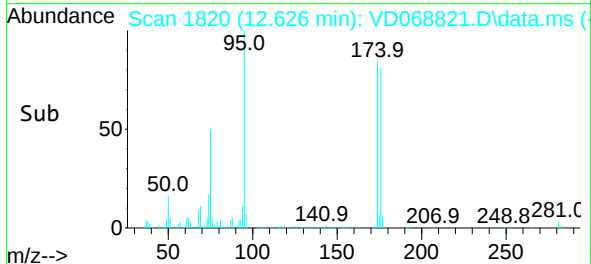
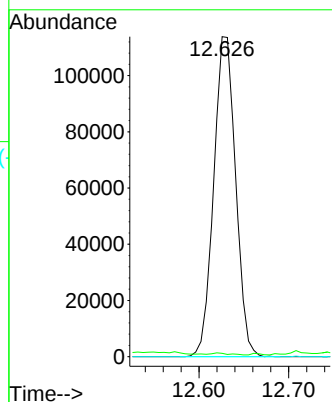
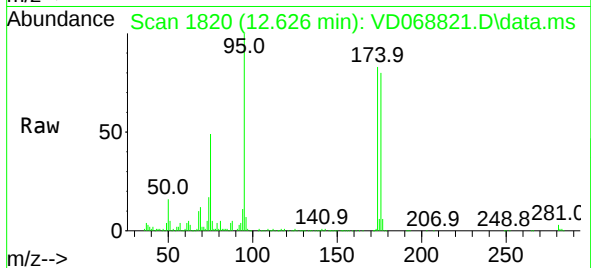




#81
trans-1,4-Dichloro-2-butene
Concen: 121.09 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Instrument :
MSVOA_D
ClientSampleId :
SB-3D

Tgt Ion: 75 Resp: 193234
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 7.70 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068821.D
Acq: 09 Apr 2021 19:36

Tgt Ion:128 Resp: 101277
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 12.0 8.9 13.3

