

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069591.D
 Acq On : 06 Jul 2021 19:34
 Operator : VA/SY
 Sample : M2934-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Jul 07 04:55:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

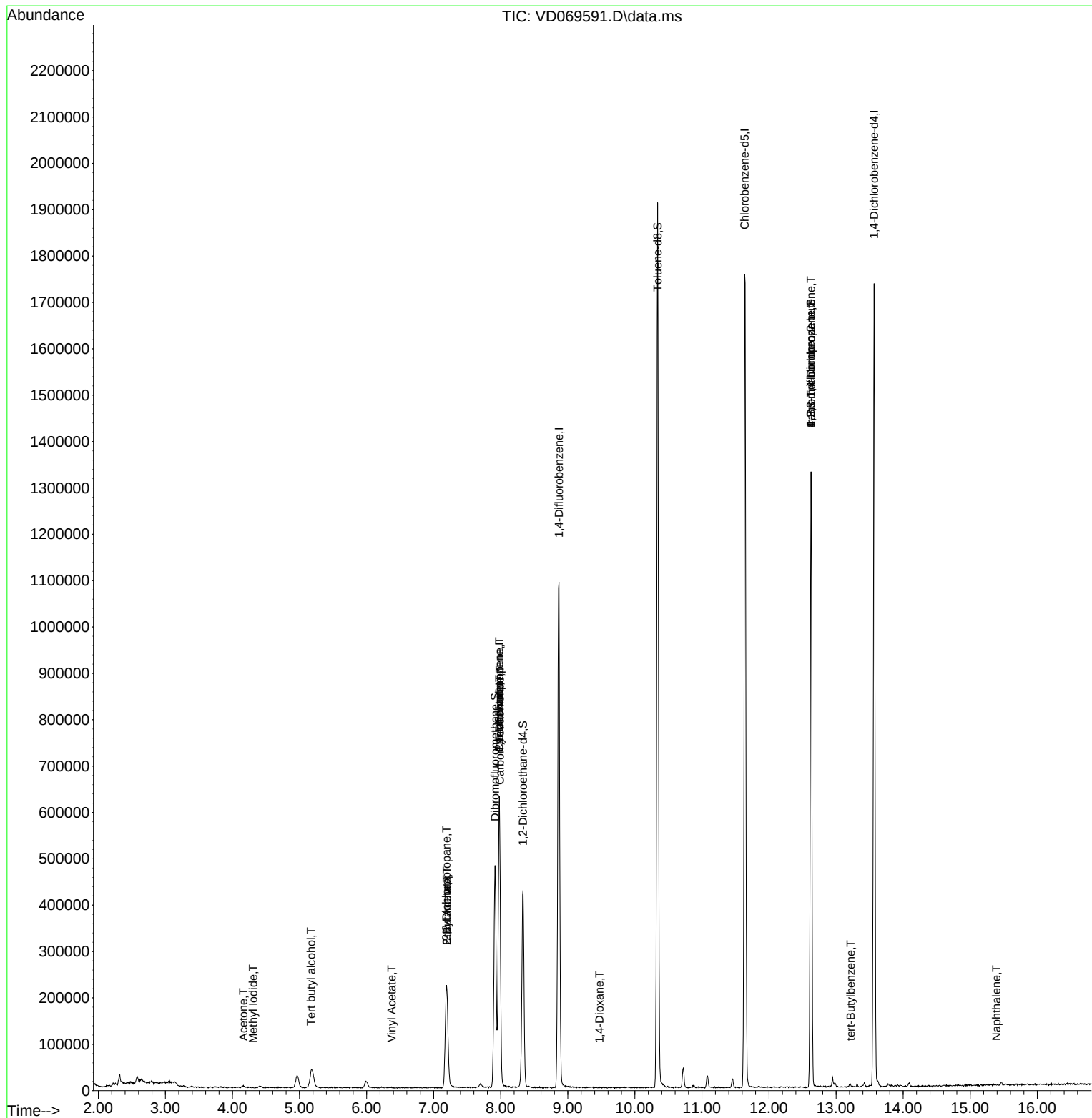
Internal Standards						
1) Pentafluorobenzene	7.979	168	429850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	926990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1028829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	438674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	337912	63.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.140%			
35) Dibromofluoromethane	7.914	113	346485	55.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.580%			
50) Toluene-d8	10.338	98	1259758	53.597	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.626	95	450093	58.248	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.500%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1229	Below Cal		83
10) Methyl Iodide	4.309	142	123	3.965 ug/l #		79
11) Tert butyl alcohol	5.173	59	39836	119.561 ug/l #		83
16) Acetone	4.162	43	6804	7.545 ug/l		99
18) Methyl Acetate	4.726	43	56	Below Cal #		49
20) Methylene Chloride	4.962	84	21981	Below Cal		96
23) Vinyl Acetate	6.373	43	138	19.027 ug/l #		70
25) 2-Butanone	7.197	43	11154	9.733 ug/l #		70
26) 2,2-Dichloropropane	7.191	77	16212	2.088 ug/l #		53
31) Cyclohexane	7.979	56	11092	1.538 ug/l #		24
36) 1,1-Dichloropropene	7.979	75	40284	4.428 ug/l #		50
37) Ethyl Acetate	7.197	43	11154	3.304 ug/l #		1
38) Carbon Tetrachloride	7.985	117	49177	5.462 ug/l #		16
49) 1,4-Dioxane	9.473	88	58	1.670 ug/l #		23
76) 1,2,3-Trichloropropane	12.626	75	227765	52.893 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	227765	132.067 ug/l #		12
83) tert-Butylbenzene	13.220	119	163	1.999 ug/l #		19
95) Naphthalene	15.390	128	663	3.400 ug/l #		69

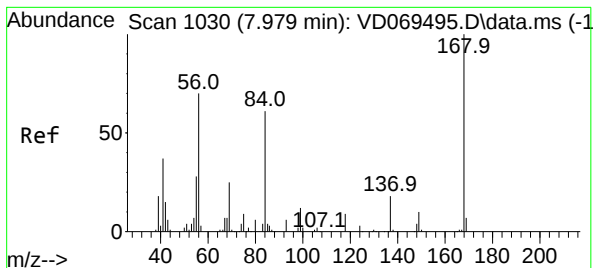
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
Data File : VD069591.D
Acq On : 06 Jul 2021 19:34
Operator : VA/SY
Sample : M2934-02
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VOC

Quant Time: Jul 07 04:55:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

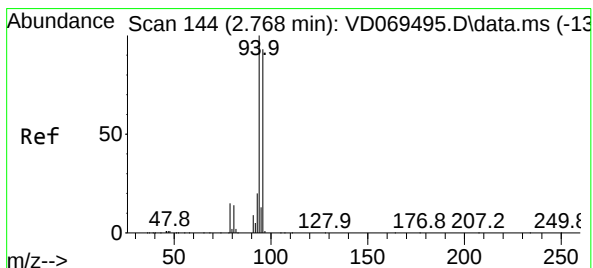
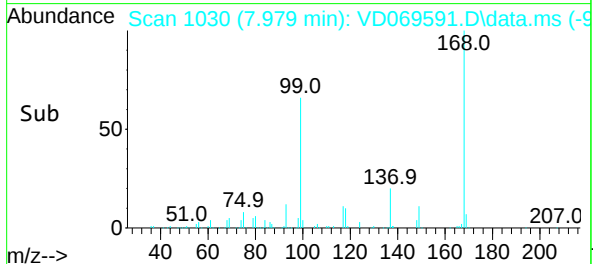
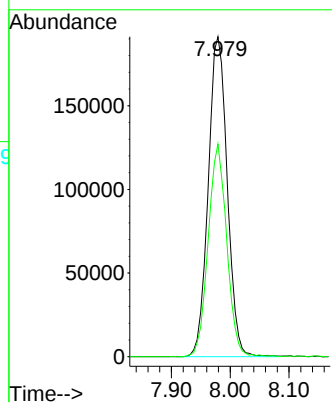
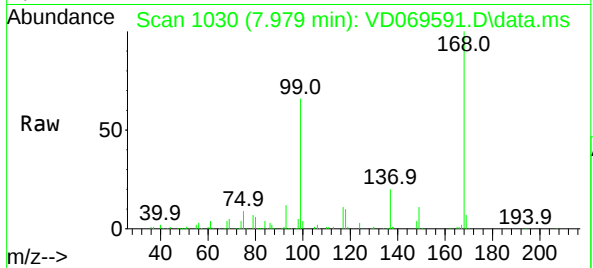




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

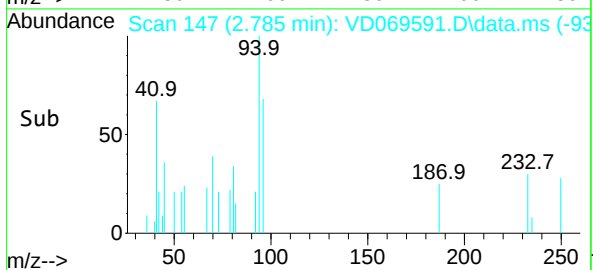
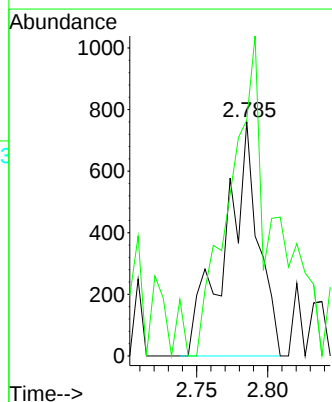
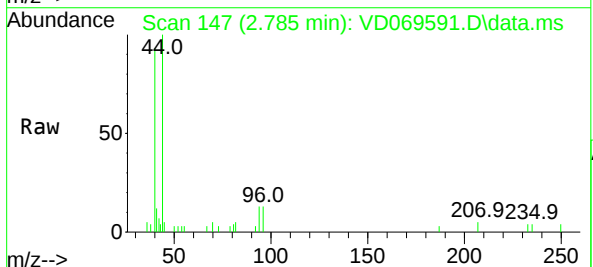
Instrument :
MSVOA_D
ClientSampleId :
VOC

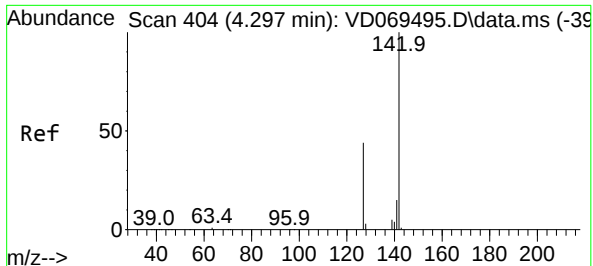
Tgt Ion:168 Resp: 429850
Ion Ratio Lower Upper
168 100
99 66.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion: 94 Resp: 1229
Ion Ratio Lower Upper
94 100
96 76.5 74.6 111.8

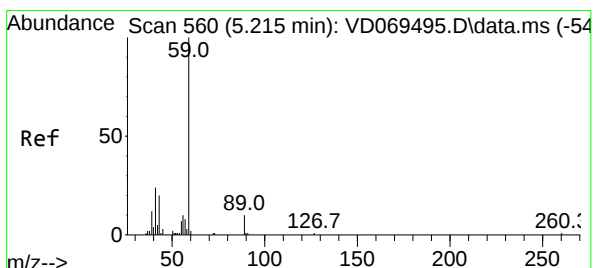
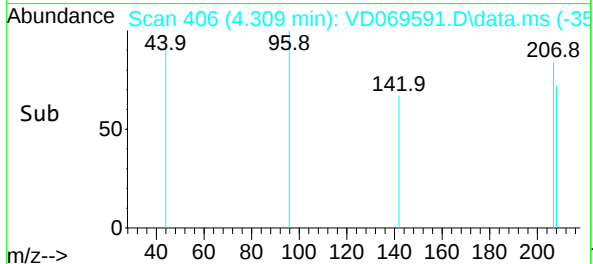
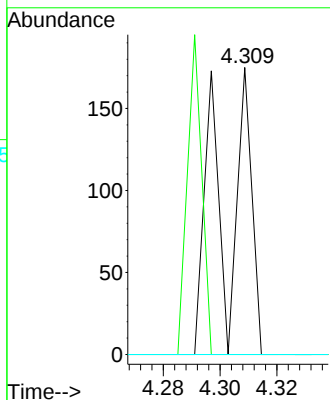
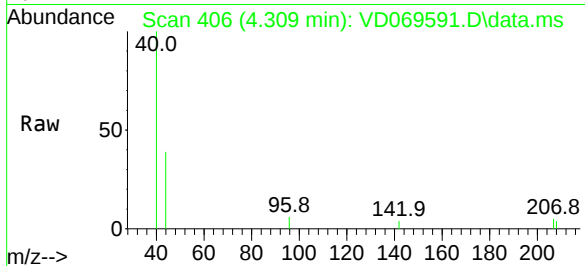




#10
Methyl Iodide
Concen: 3.965 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

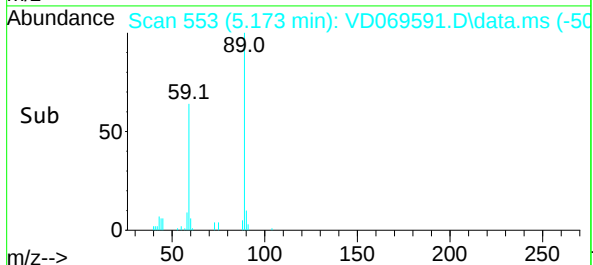
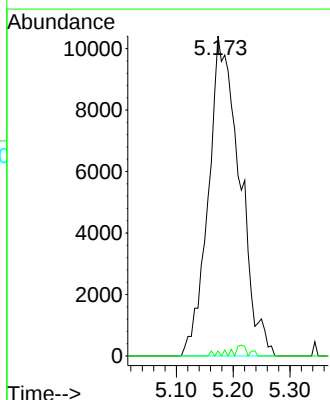
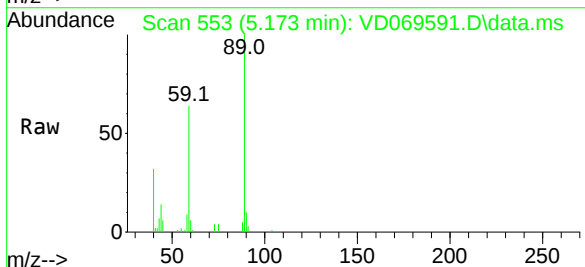
Instrument :
MSVOA_D
ClientSampleId :
VOC

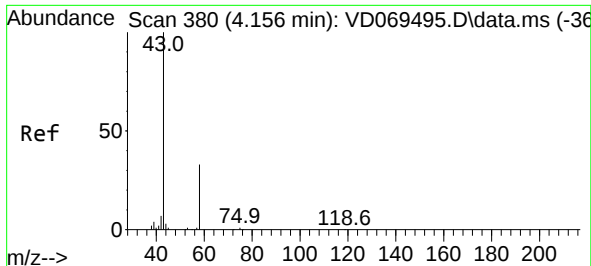
Tgt Ion:142 Resp: 123
Ion Ratio Lower Upper
142 100
127 56.1 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 119.561 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion: 59 Resp: 39836
Ion Ratio Lower Upper
59 100
57 0.1 4.6 7.0#

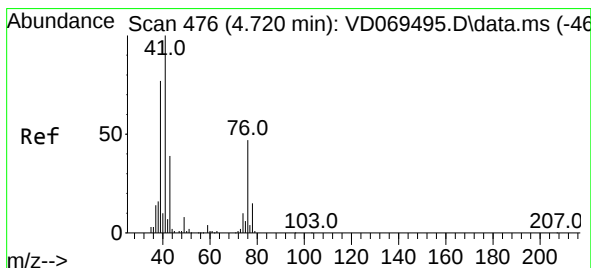
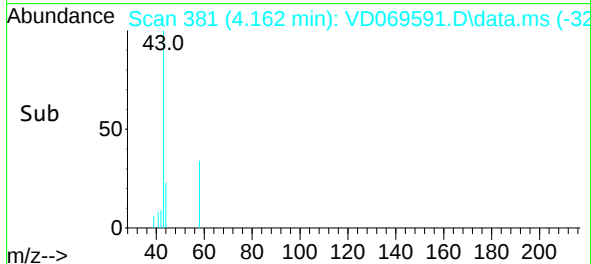
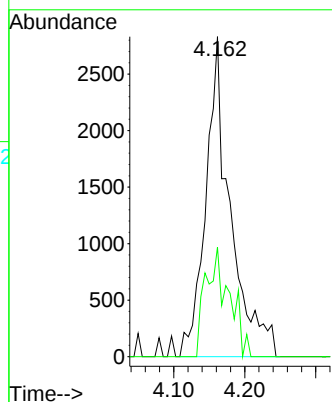
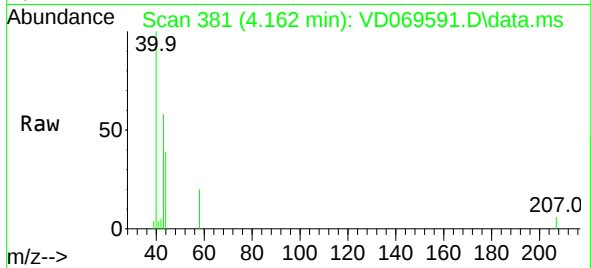




#16
Acetone
Concen: 7.545 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

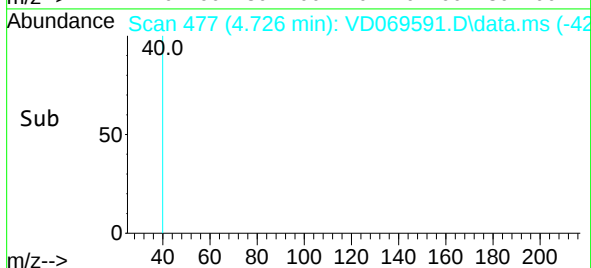
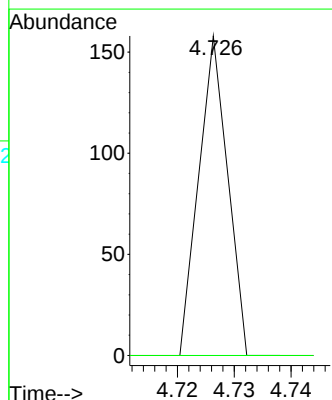
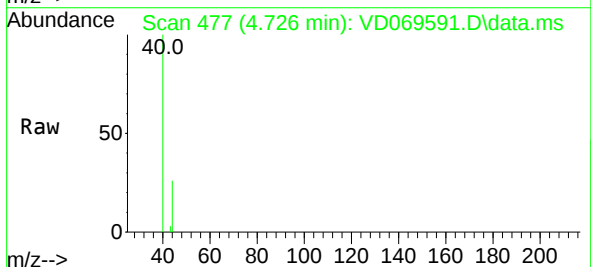
Instrument :
MSVOA_D
ClientSampleId :
VOC

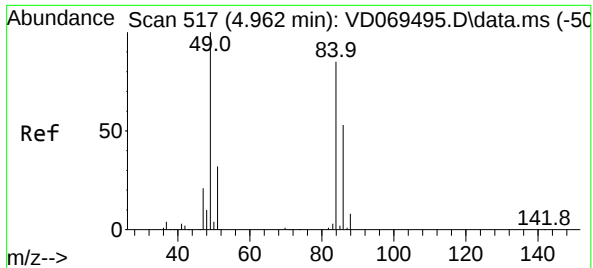
Tgt Ion: 43 Resp: 6804
Ion Ratio Lower Upper
43 100
58 34.2 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

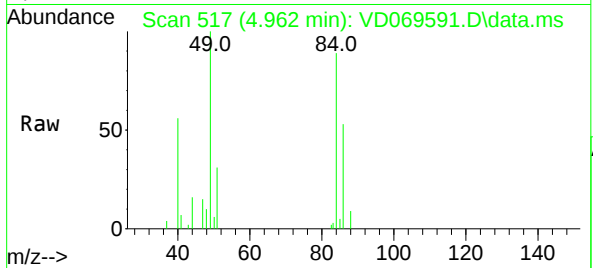
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



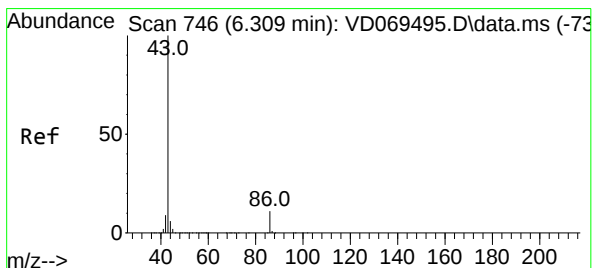
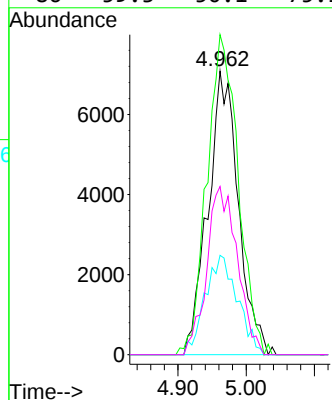


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :
VOC

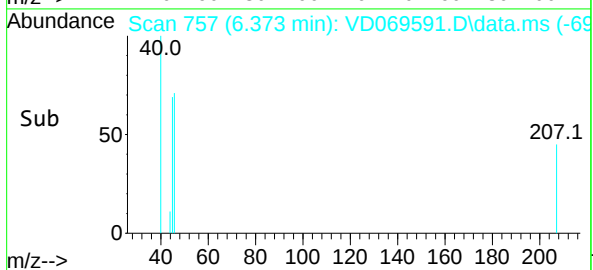
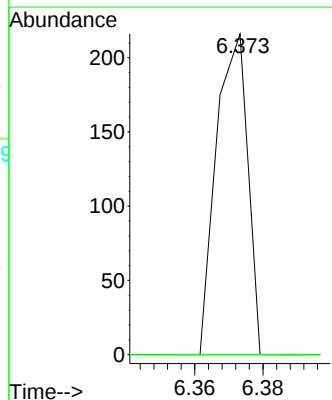
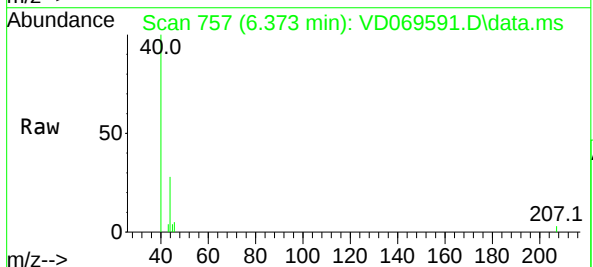


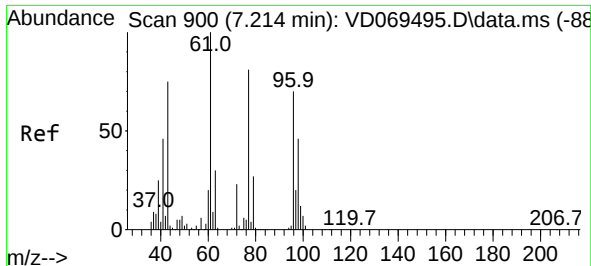
Tgt Ion:	84	Resp:	21981
Ion	Ratio	Lower	Upper
84	100		
49	112.9	94.0	141.0
51	35.0	29.7	44.5
86	59.3	50.1	75.1



#23
Vinyl Acetate
Concen: 19.027 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.064 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

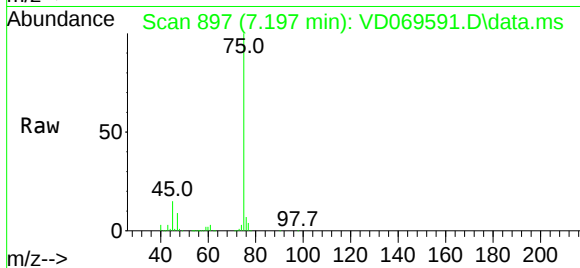
Tgt Ion:	43	Resp:	138
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



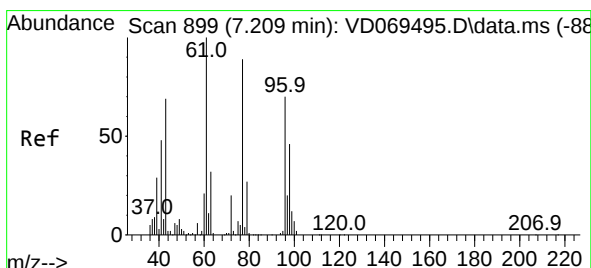
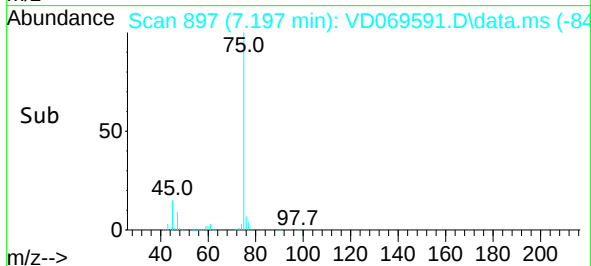
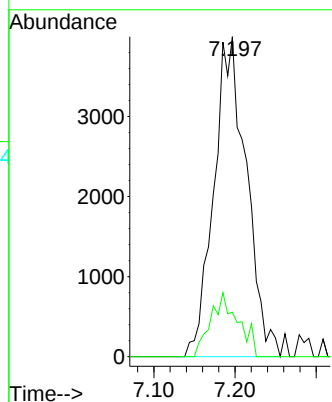


#25
2-Butanone
Concen: 9.733 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampled :
VOC

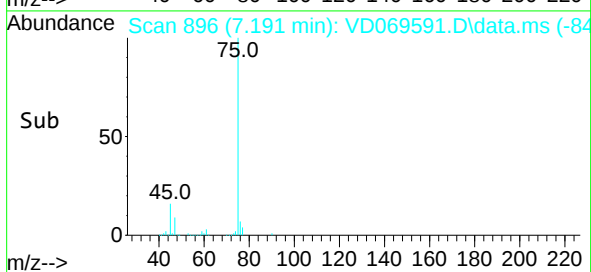
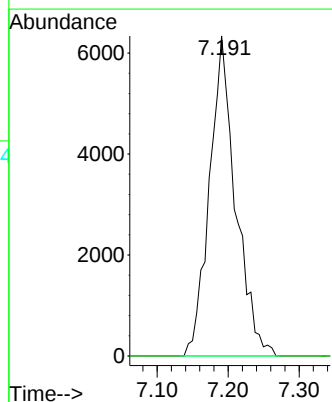
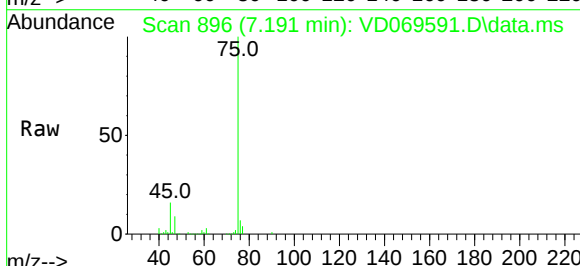


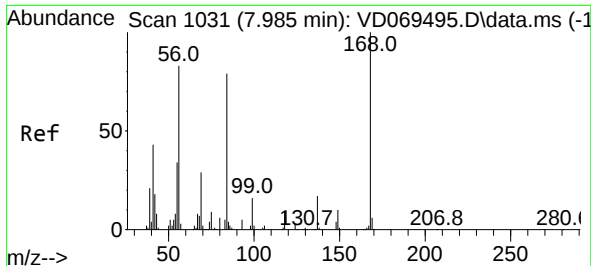
Tgt Ion: 43 Resp: 11154
Ion Ratio Lower Upper
43 100
72 13.9 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 2.088 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion: 77 Resp: 16212
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#





#31

Cyclohexane

Concen: 1.538 ug/l

RT: 7.979 min Scan# 1030

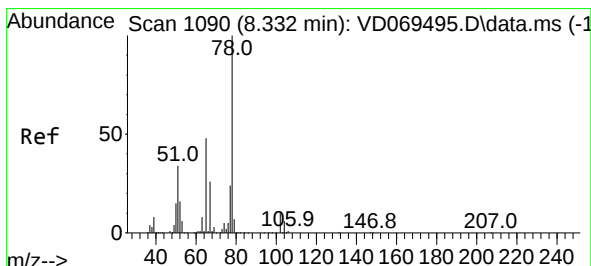
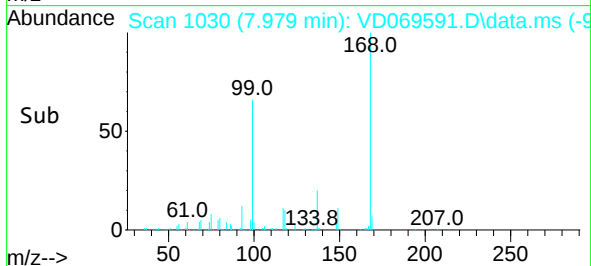
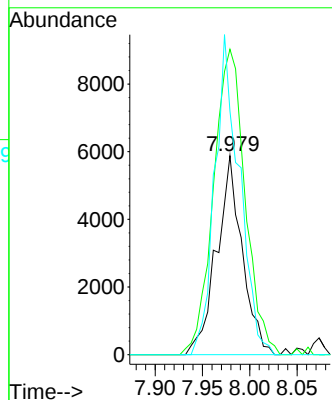
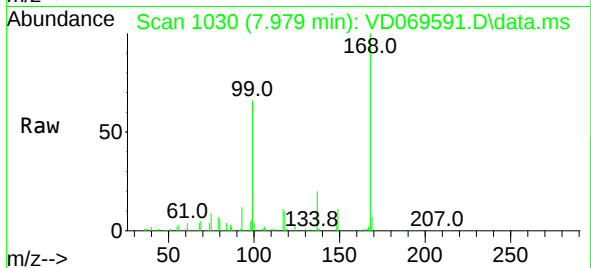
Delta R.T. -0.006 min

Lab File: VD069591.D

Acq: 06 Jul 2021 19:34

Tgt Ion:	56	Resp:	11092
Ion	Ratio	Lower	Upper
56	100		
69	153.5	28.0	42.0#
84	122.3	75.7	113.5#

Instrument :
MSVOA_D
ClientSampleId :
VOC



#33

1,2-Dichloroethane-d4

Concen: 63.067 ug/l

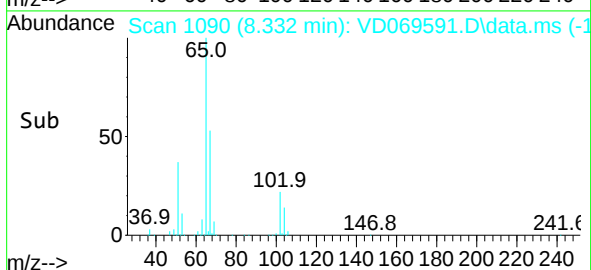
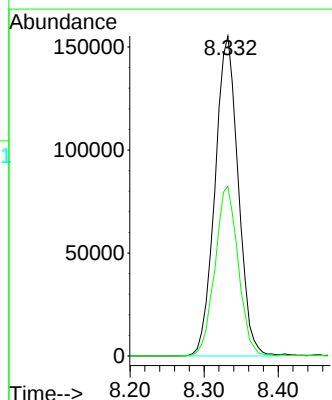
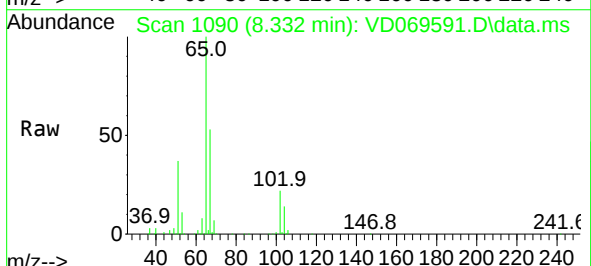
RT: 8.332 min Scan# 1090

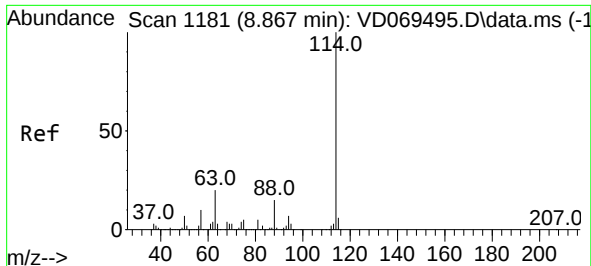
Delta R.T. -0.000 min

Lab File: VD069591.D

Acq: 06 Jul 2021 19:34

Tgt Ion:	65	Resp:	337912
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.6

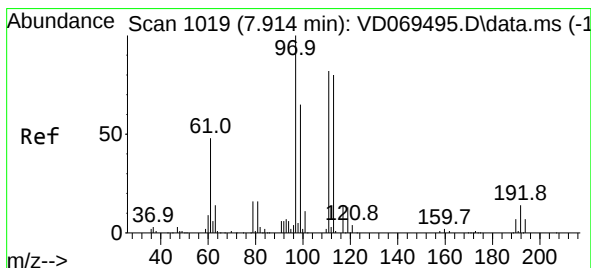
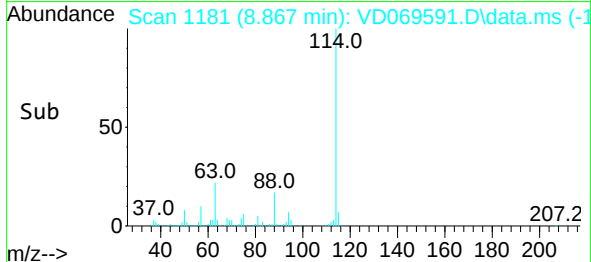
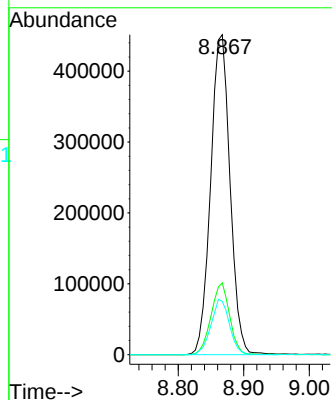
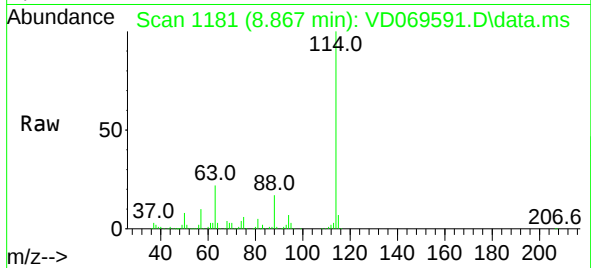




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

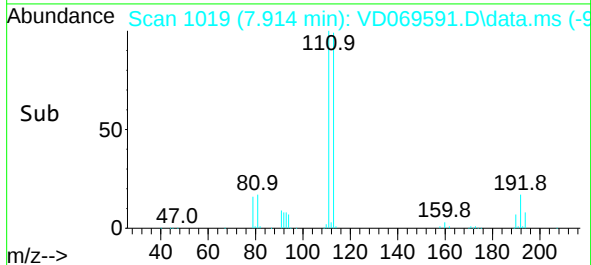
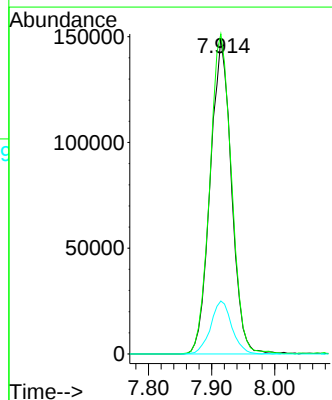
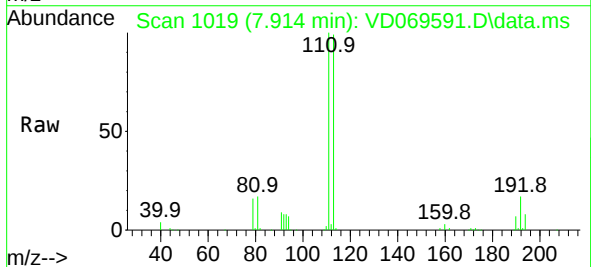
Instrument :
MSVOA_D
ClientSampled :
VOC

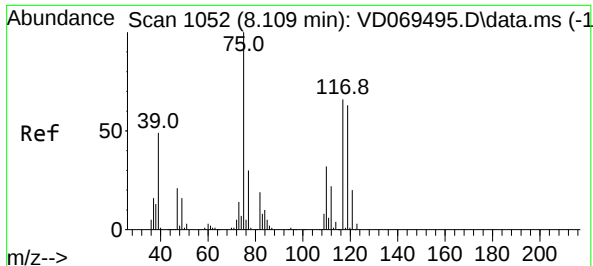
Tgt Ion:114 Resp: 926990
Ion Ratio Lower Upper
114 100
63 22.5 0.0 39.6
88 16.7 0.0 29.8



#35
Dibromofluoromethane
Concen: 55.294 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion:113 Resp: 346485
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 16.8 13.8 20.6

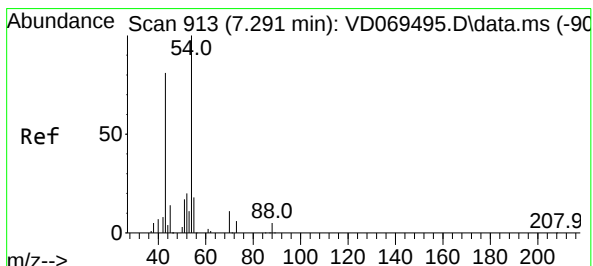
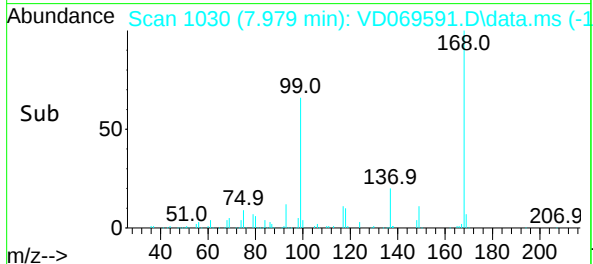
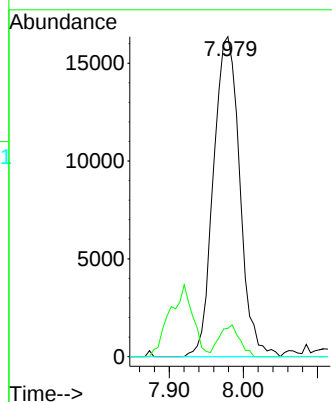
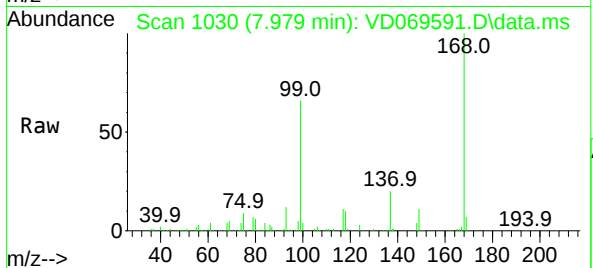




#36
1,1-Dichloropropene
Concen: 4.428 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

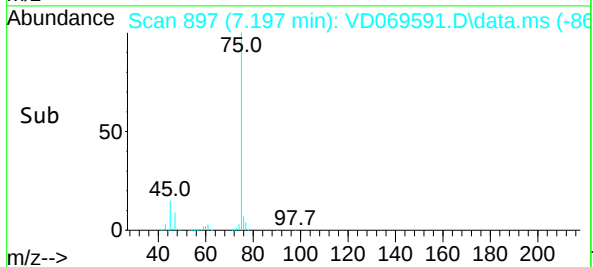
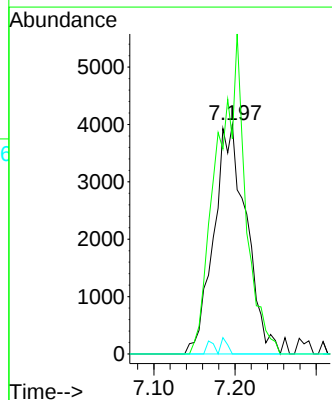
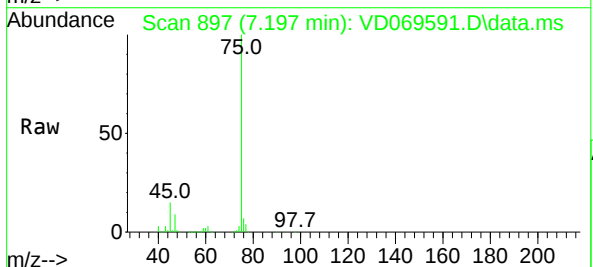
Instrument :
MSVOA_D
ClientSampleId :
VOC

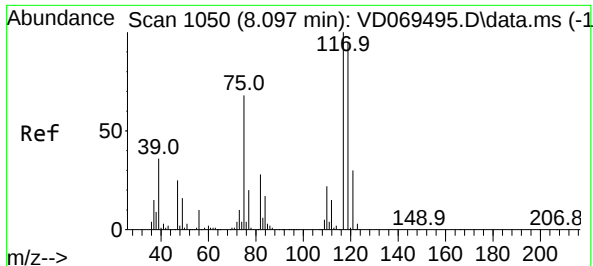
Tgt Ion: 75 Resp: 40284
Ion Ratio Lower Upper
75 100
110 7.6 16.8 50.4#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.304 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.094 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

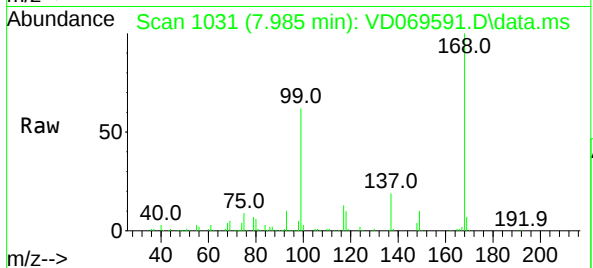
Tgt Ion: 43 Resp: 11154
Ion Ratio Lower Upper
43 100
61 121.7 11.4 17.0#
70 1.4 9.5 14.3#



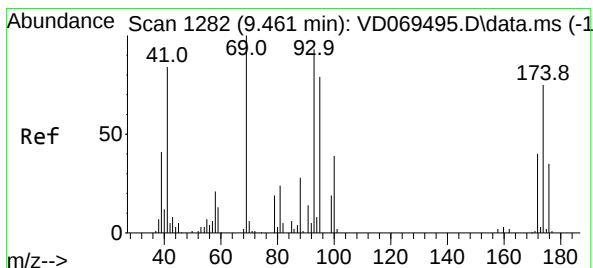
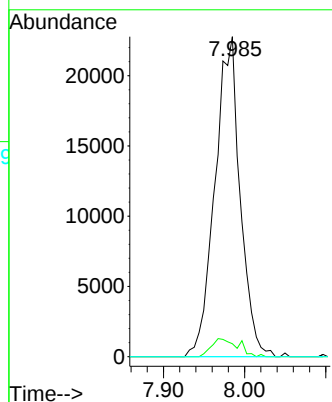
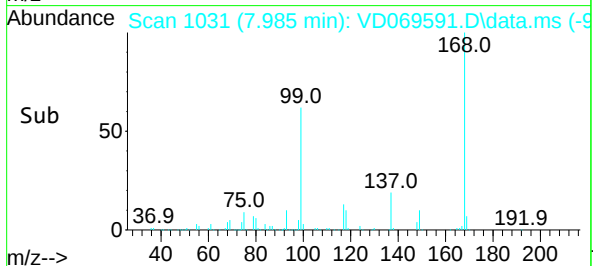


#38
Carbon Tetrachloride
Concen: 5.462 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

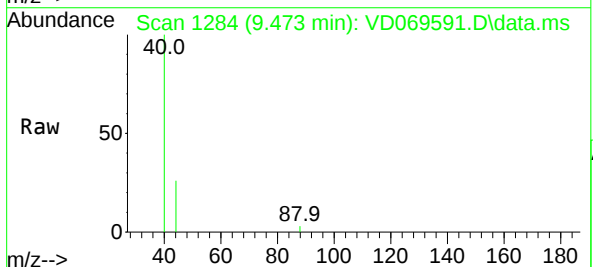
Instrument :
MSVOA_D
ClientSampled :
VOC



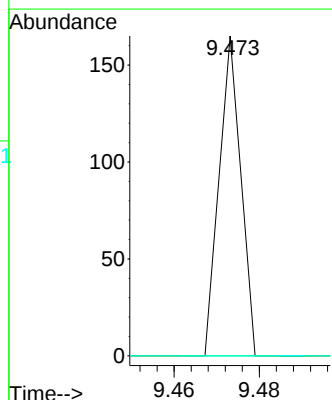
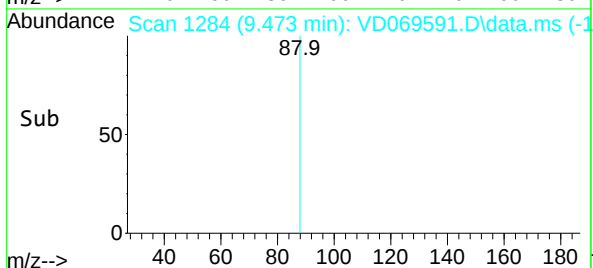
Tgt Ion:117 Resp: 49177
Ion Ratio Lower Upper
117 100
119 4.0 75.6 113.4#
121 0.0 23.8 35.8#

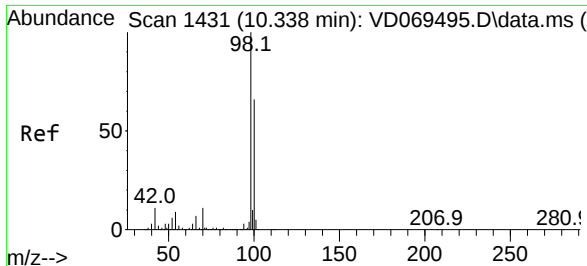


#49
1,4-Dioxane
Concen: 1.670 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.012 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34



Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

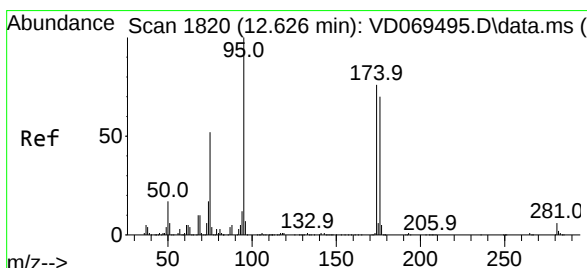
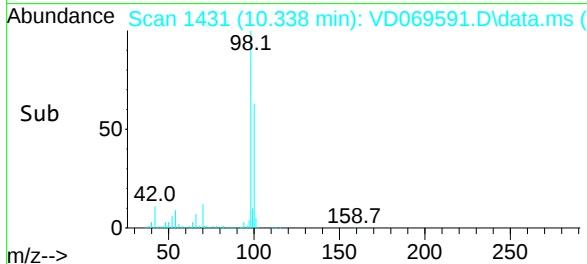
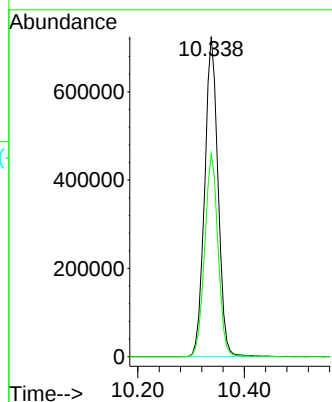
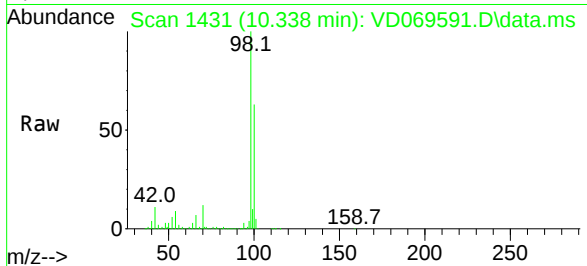




#50
Toluene-d8
Concen: 53.597 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

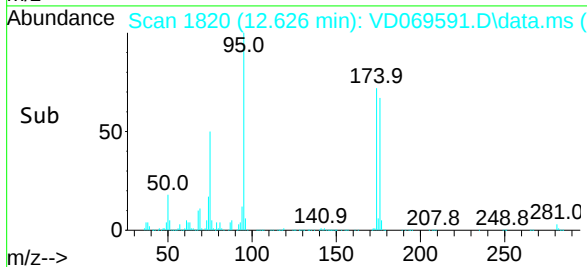
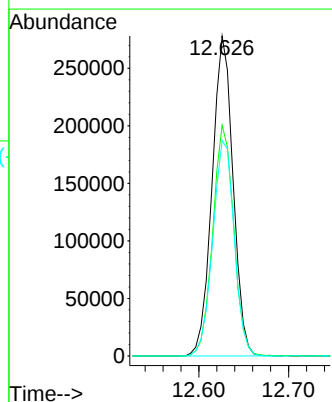
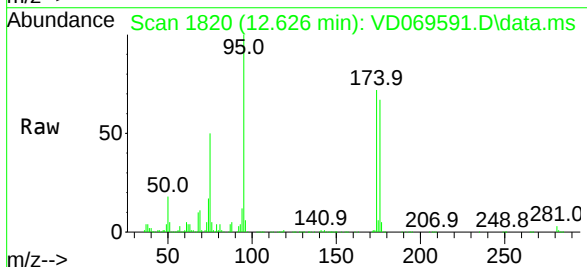
Instrument :
MSVOA_D
ClientSampleId :
VOC

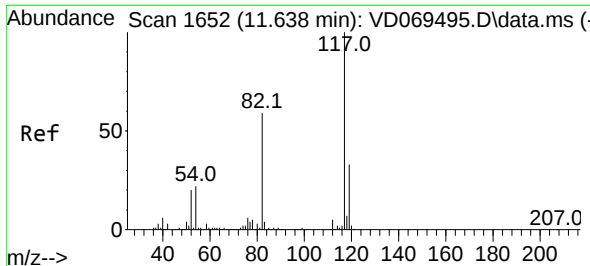
Tgt Ion: 98 Resp: 1259758
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 58.248 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion: 95 Resp: 450093
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.0
176 69.1 0.0 139.8

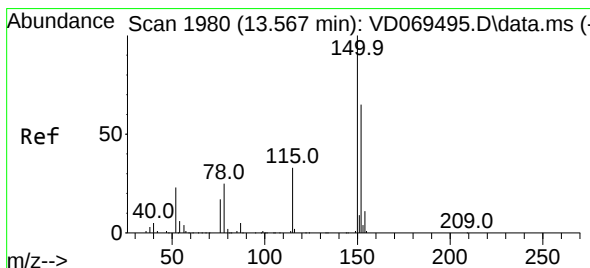
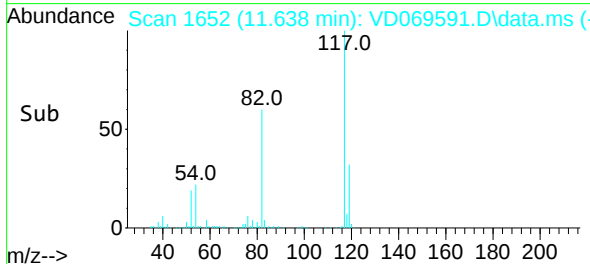
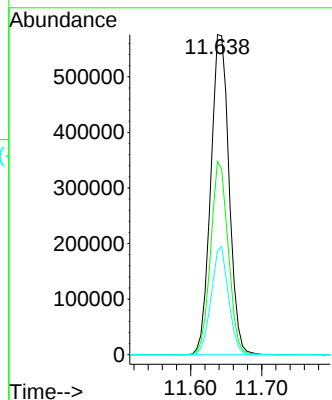
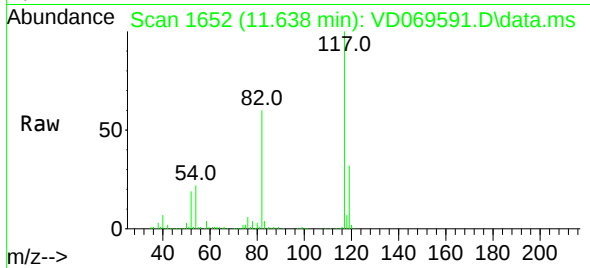




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

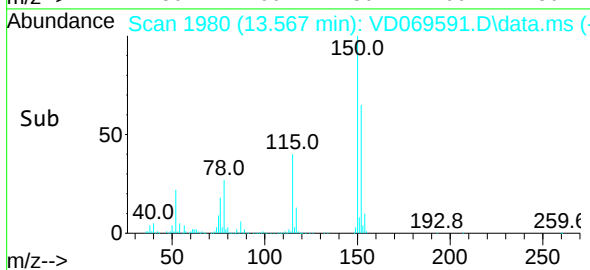
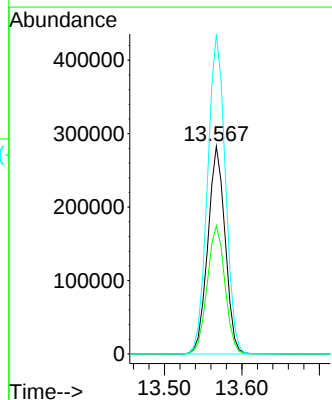
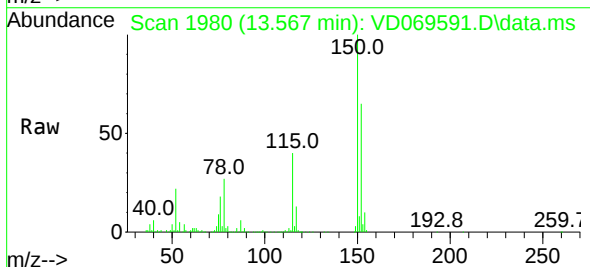
Instrument :
MSVOA_D
ClientSampled :
VOC

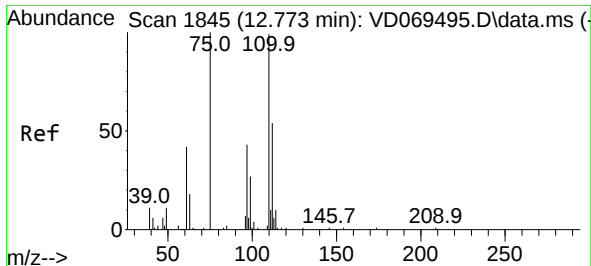
Tgt Ion:117 Resp: 1028829
Ion Ratio Lower Upper
117 100
82 60.4 46.8 70.2
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion:152 Resp: 438674
Ion Ratio Lower Upper
152 100
115 63.3 31.7 95.1
150 158.4 0.0 350.8

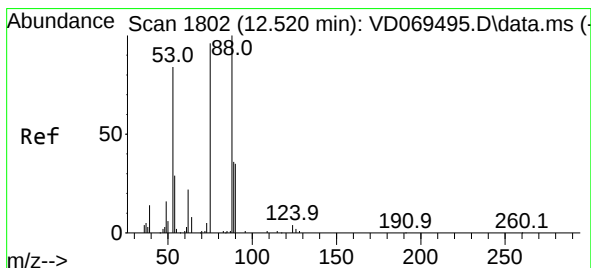
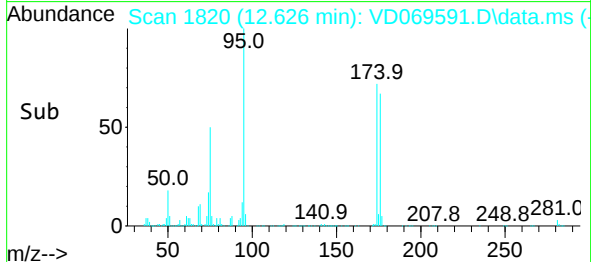
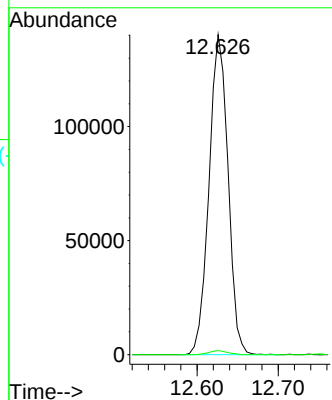
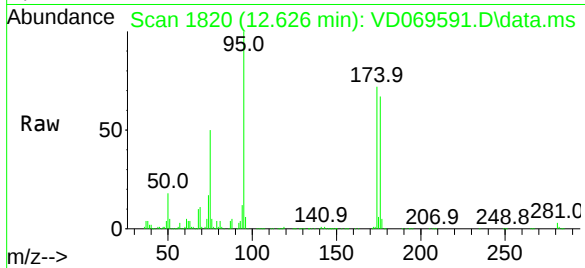




#76
1,2,3-Trichloropropane
Concen: 52.893 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

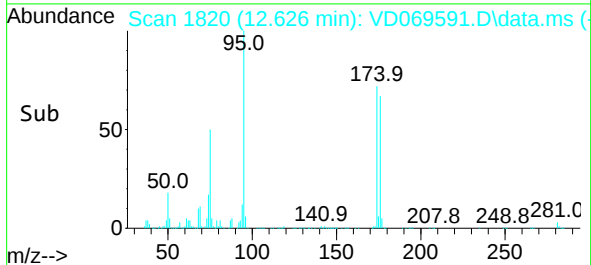
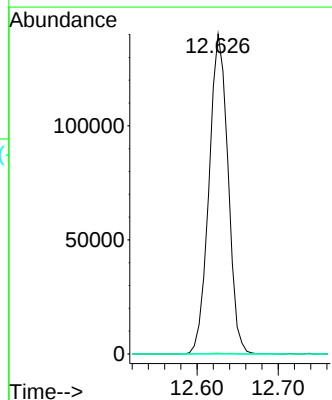
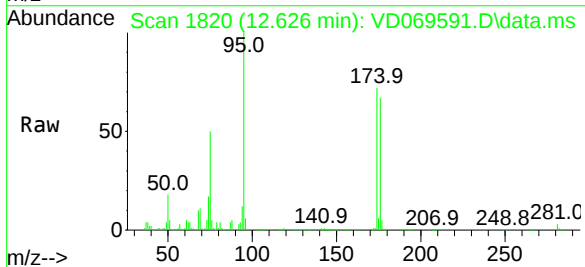
Instrument :
MSVOA_D
ClientSampleId :
VOC

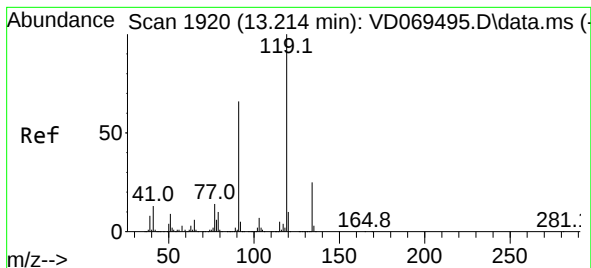
Tgt Ion: 75 Resp: 227765
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.067 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion: 75 Resp: 227765
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

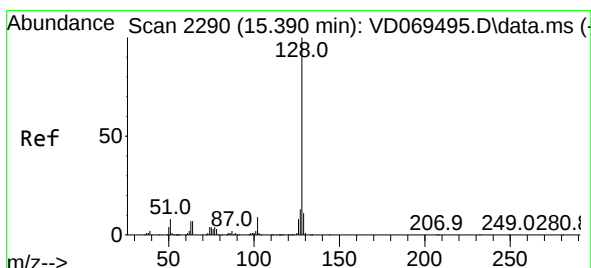
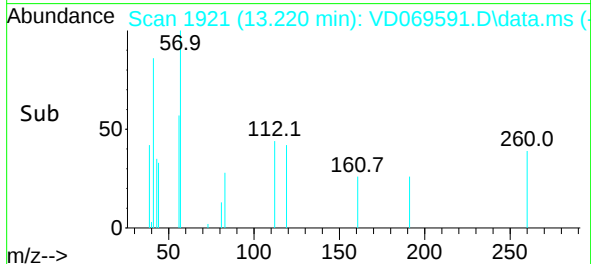
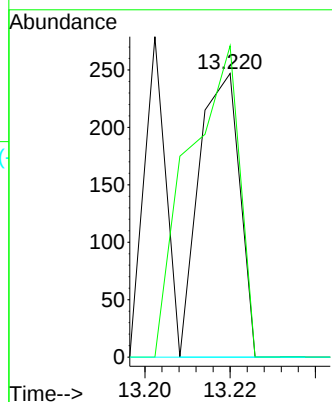
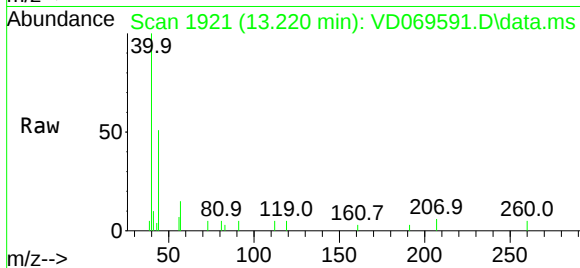




#83
tert-Butylbenzene
Concen: 1.999 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tgt Ion:119 Resp: 163
Ion Ratio Lower Upper
119 100
91 138.7 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.400 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069591.D
Acq: 06 Jul 2021 19:34

Tgt Ion:128 Resp: 663
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

