

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069505.D
 Acq On : 21 Jun 2021 17:25
 Operator : VA/SY
 Sample : M2778-08
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CF-VOC

Quant Time: Jun 22 05:09:01 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)

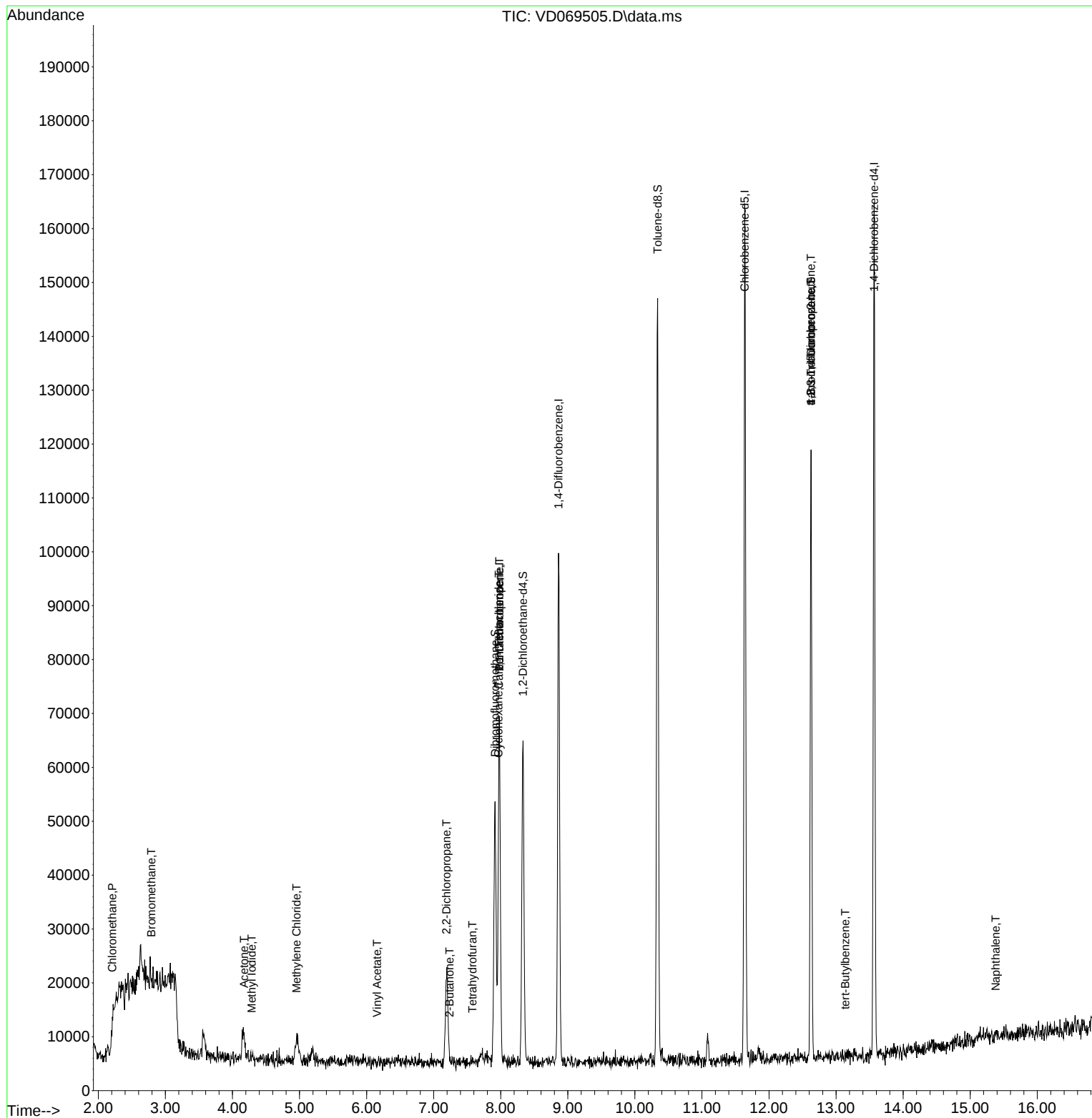
Internal Standards						
1) Pentafluorobenzene	7.979	168	43031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	74671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	88224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	38579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	46781	87.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.440%#			
35) Dibromofluoromethane	7.914	113	34500	68.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.700%			
50) Toluene-d8	10.338	98	98833	52.201	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.626	95	36339	58.381	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.760%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	756	1.252	ug/l #	1
5) Bromomethane	2.791	94	1565	1.967	ug/l #	76
10) Methyl Iodide	4.285	142	238	4.427	ug/l #	79
11) Tert butyl alcohol	5.220	59	83	Below Cal	#	83
16) Acetone	4.173	43	9717	107.632	ug/l #	73
18) Methyl Acetate	4.750	43	218	Below Cal	#	49
20) Methylene Chloride	4.956	84	4304	1.272	ug/l #	67
23) Vinyl Acetate	6.156	43	67	19.092	ug/l #	70
25) 2-Butanone	7.238	43	143	1.246	ug/l #	44
26) 2,2-Dichloropropane	7.191	77	829	1.067	ug/l #	53
29) Tetrahydrofuran	7.579	42	184	2.925	ug/l #	31
31) Cyclohexane	7.967	56	1672	2.315	ug/l #	52
36) 1,1-Dichloropropene	7.979	75	4149	5.661	ug/l #	45
38) Carbon Tetrachloride	7.973	117	4828	6.657	ug/l #	19
76) 1,2,3-Trichloropropane	12.626	75	19695	52.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	19695	129.853	ug/l #	12
83) tert-Butylbenzene	13.138	119	56	2.019	ug/l #	27
95) Naphthalene	15.379	128	264	3.559	ug/l #	69

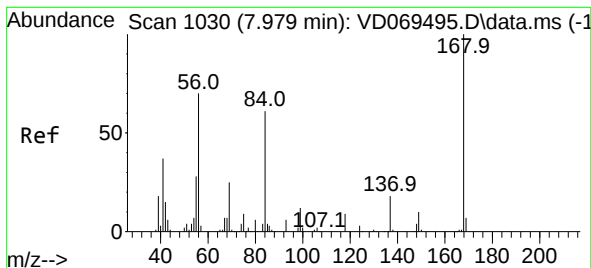
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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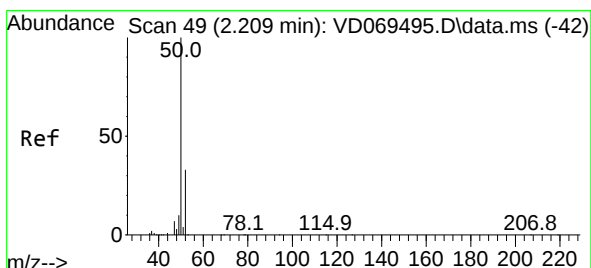
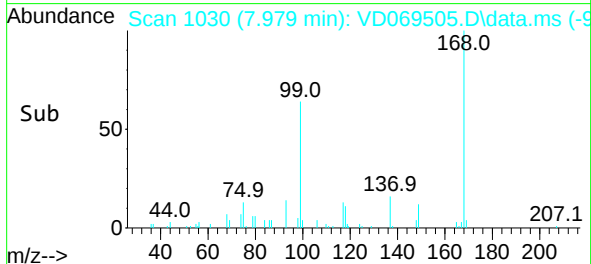
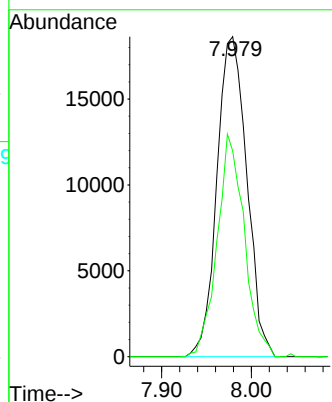
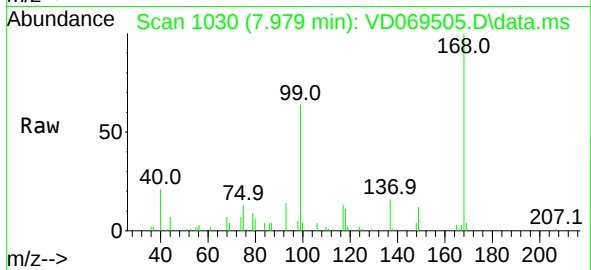




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

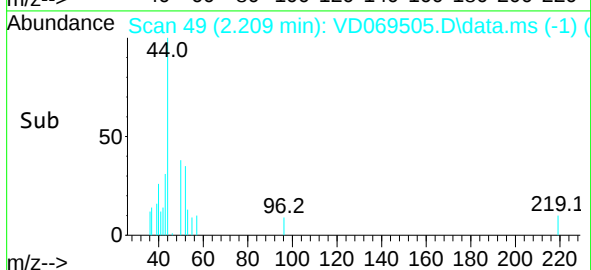
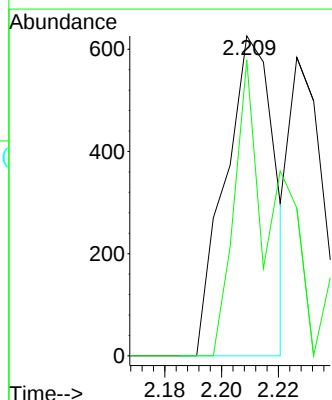
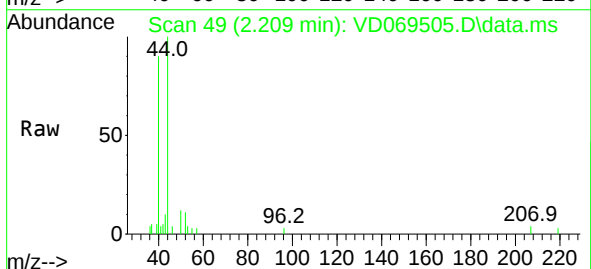
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

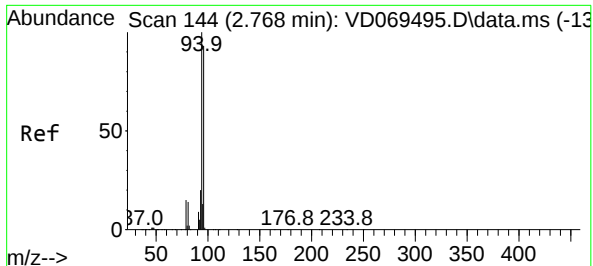
Tgt Ion:168 Resp: 43031
Ion Ratio Lower Upper
168 100
99 64.3 49.3 73.9



#3
Chloromethane
Concen: 1.252 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 50 Resp: 756
Ion Ratio Lower Upper
50 100
52 92.5 26.3 39.5#

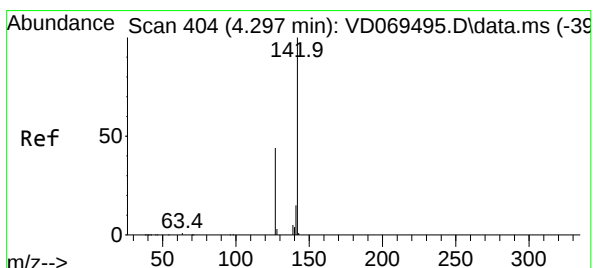
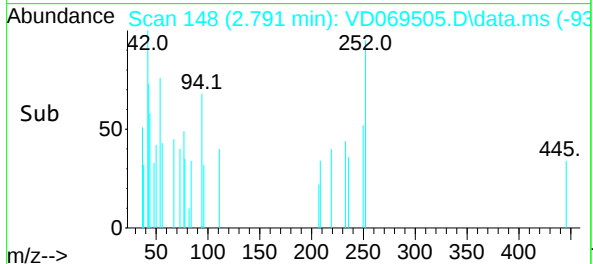
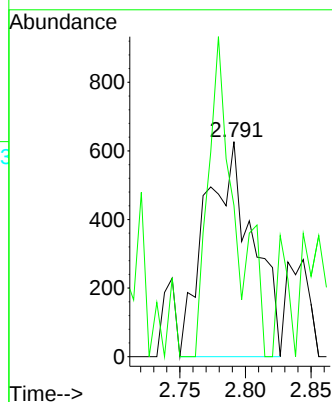
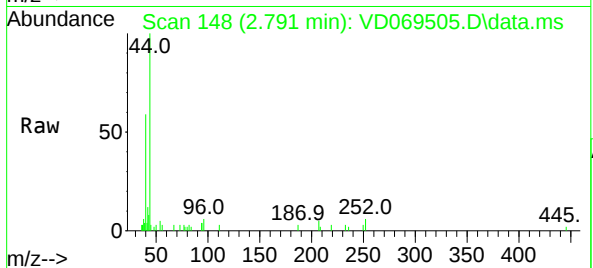




#5
Bromomethane
Concen: 1.967 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

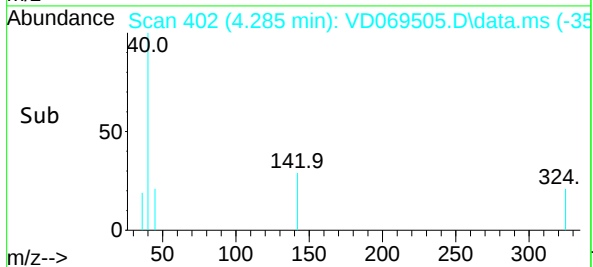
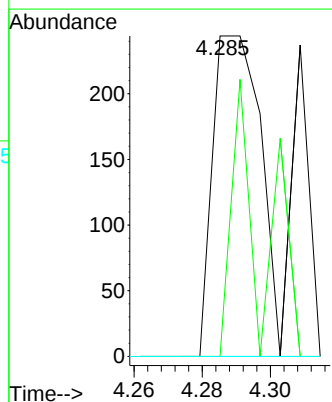
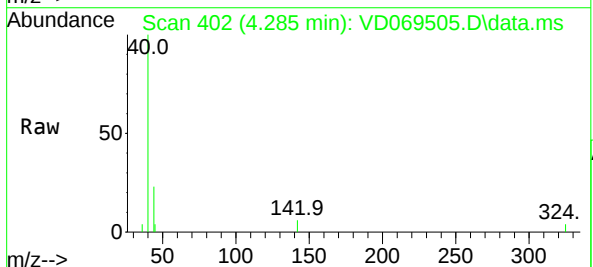
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

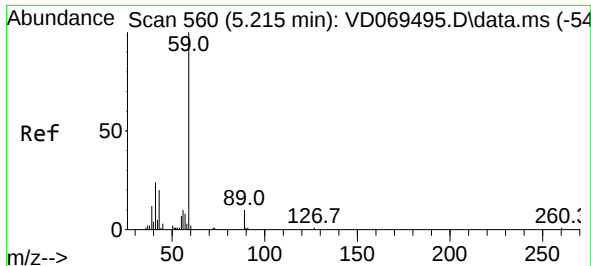
Tgt Ion: 94 Resp: 1565
Ion Ratio Lower Upper
94 100
96 70.3 74.6 111.8#



#10
Methyl Iodide
Concen: 4.427 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 142 Resp: 238
Ion Ratio Lower Upper
142 100
127 55.9 36.5 54.7#
141 0.0 12.0 18.0#

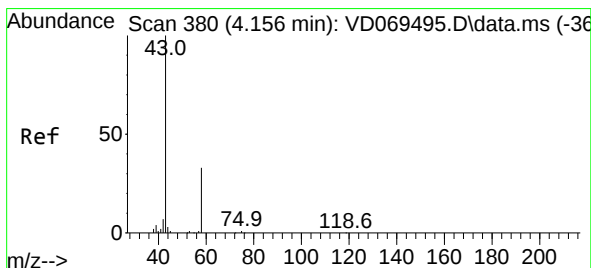
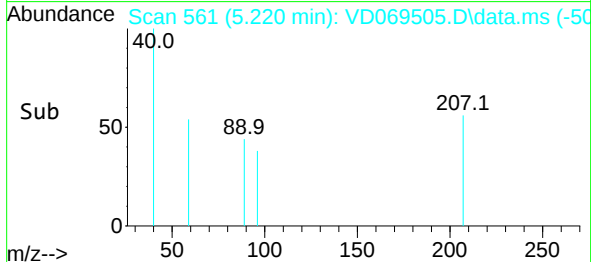
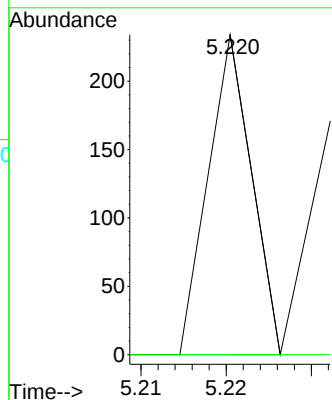
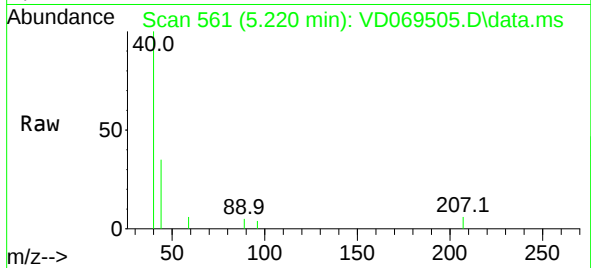




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

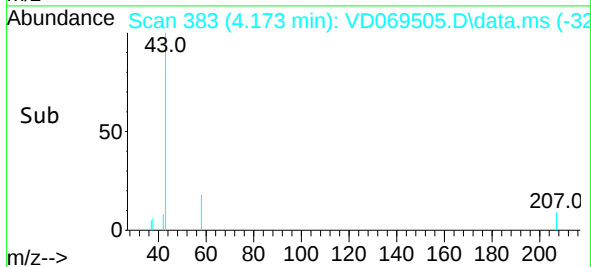
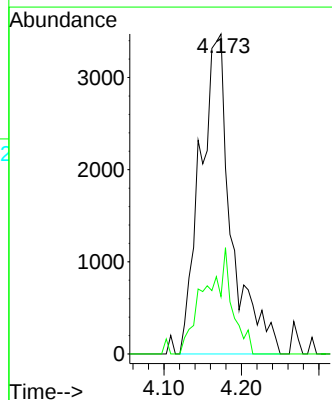
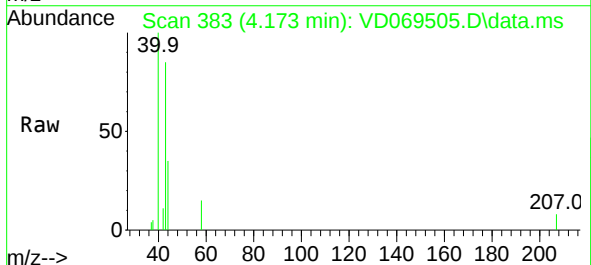
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

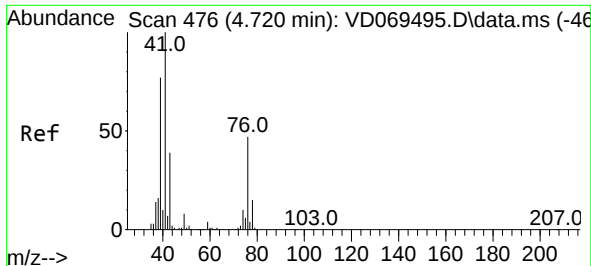
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#16
Acetone
Concen: 107.632 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

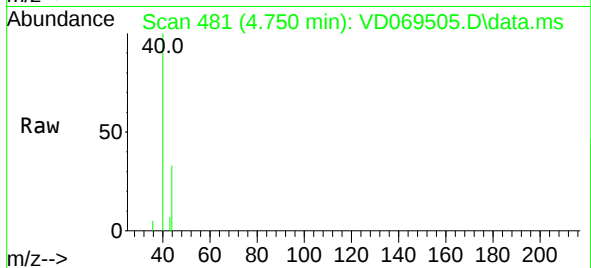
Tgt Ion: 43 Resp: 9717
Ion Ratio Lower Upper
43 100
58 18.0 26.8 40.2#



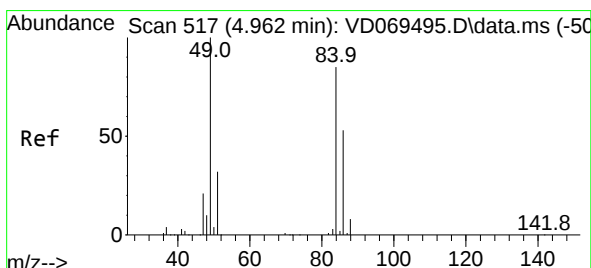
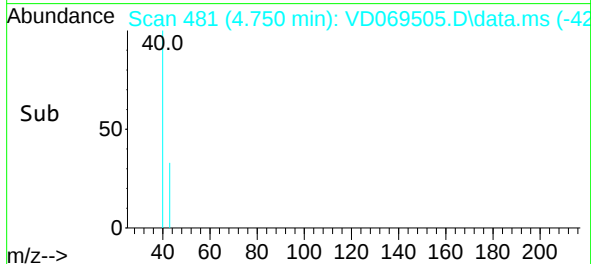
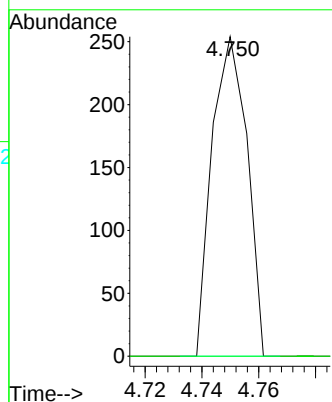


#18
Methyl Acetate
Concen: Below Cal
RT: 4.750 min Scan# 481
Delta R.T. 0.030 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

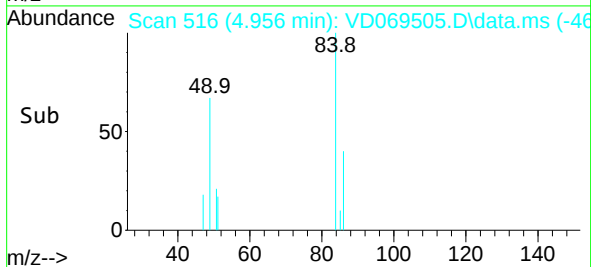
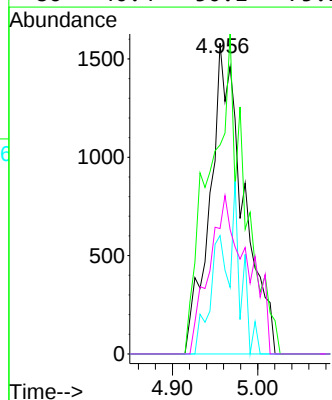
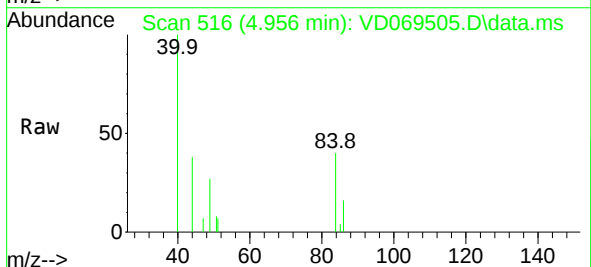


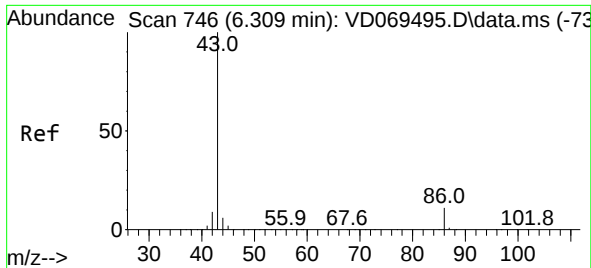
Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 1.272 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 84 Resp: 4304
Ion Ratio Lower Upper
84 100
49 67.2 94.0 141.0#
51 38.1 29.7 44.5
86 40.4 50.1 75.1#

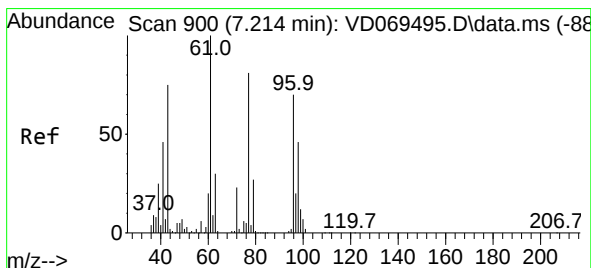
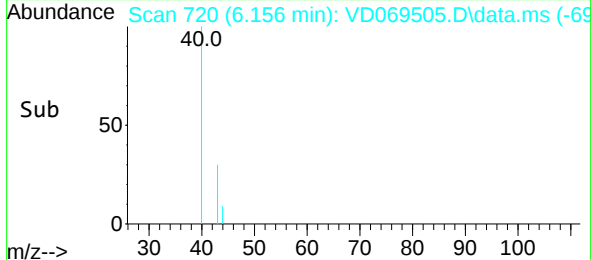
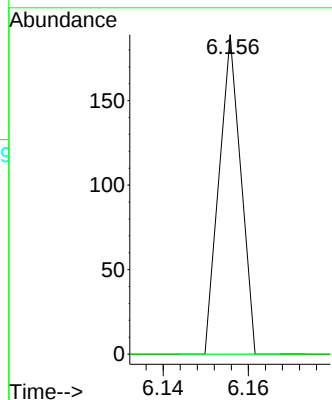
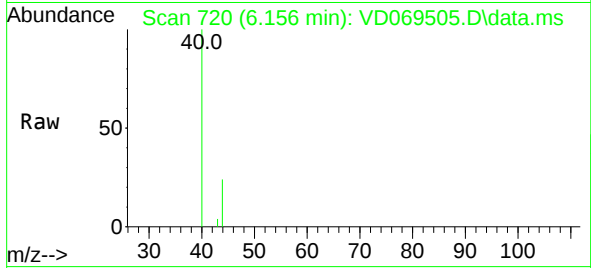




#23
 Vinyl Acetate
 Concen: 19.092 ug/l
 RT: 6.156 min Scan# 720
 Delta R.T. -0.153 min
 Lab File: VD069505.D
 Acq: 21 Jun 2021 17:25

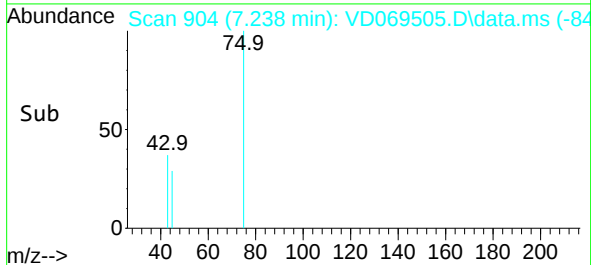
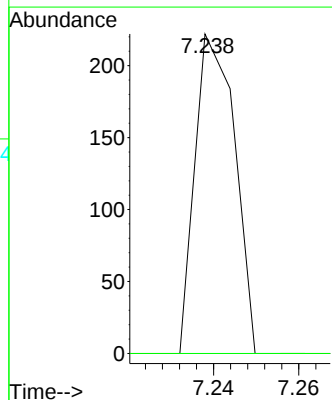
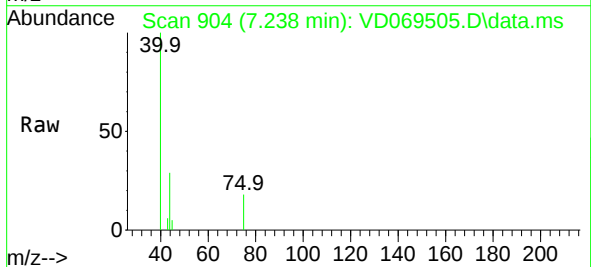
Instrument :
 MSVOA_D
 ClientSampleID :
 CF-VOC

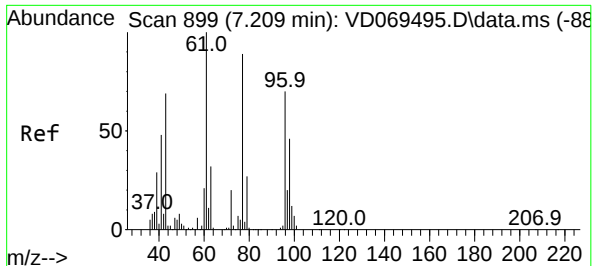
Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 1.246 ug/l
 RT: 7.238 min Scan# 904
 Delta R.T. 0.024 min
 Lab File: VD069505.D
 Acq: 21 Jun 2021 17:25

Tgt Ion: 43 Resp: 143
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

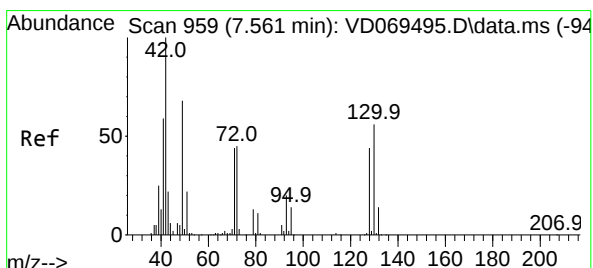
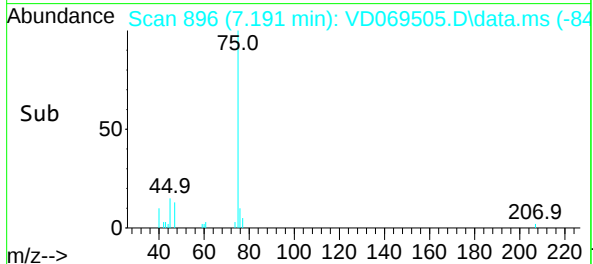
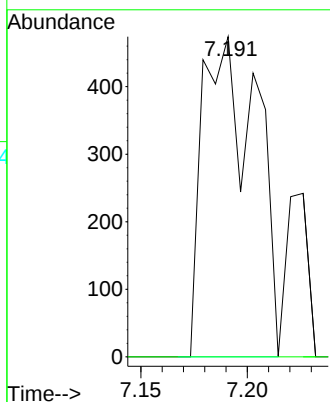
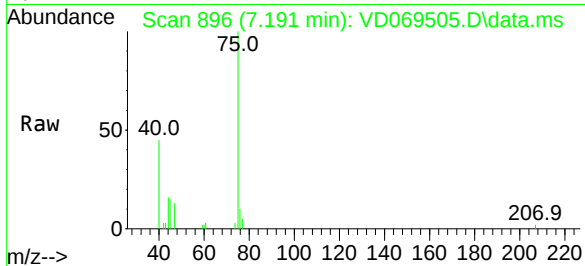




#26
2,2-Dichloropropane
Concen: 1.067 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

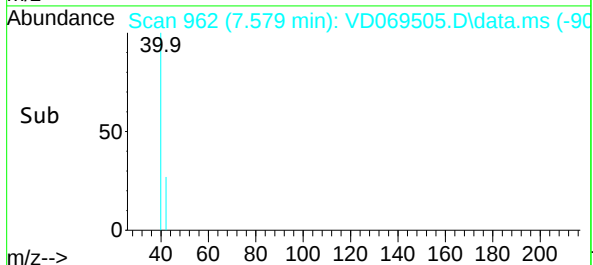
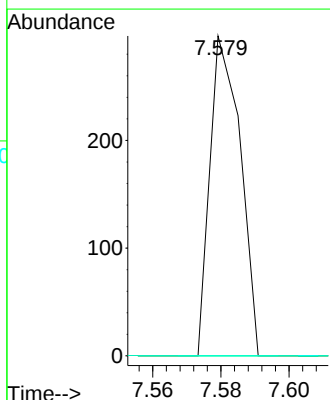
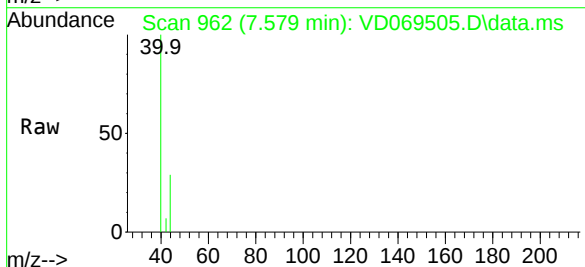
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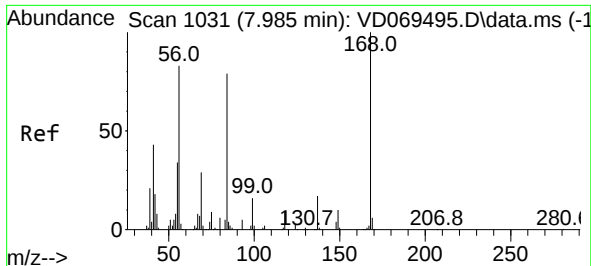
Tgt Ion: 77 Resp: 829
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#



#29
Tetrahydrofuran
Concen: 2.925 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.018 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 42 Resp: 184
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 35.1 52.7#





#31

Cyclohexane

Concen: 2.315 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD069505.D

Acq: 21 Jun 2021 17:25

Tgt Ion: 56 Resp: 1672

Ion Ratio Lower Upper

56 100

69 86.5 28.0 42.0#

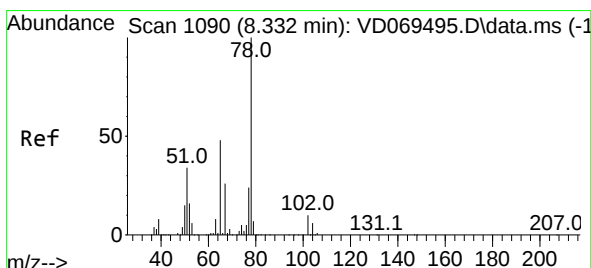
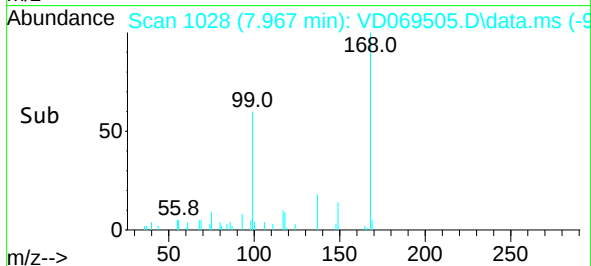
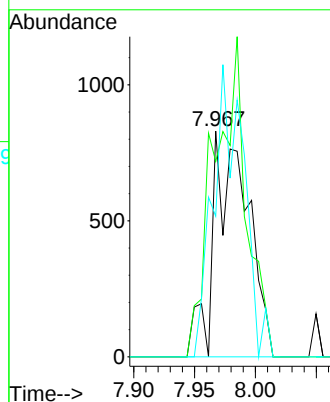
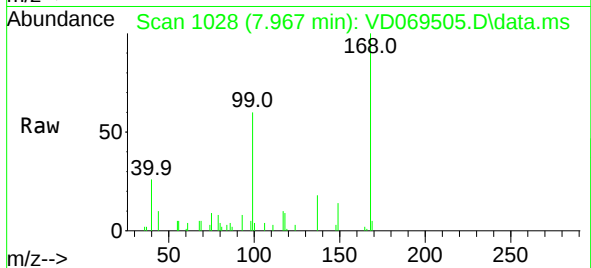
84 62.3 75.7 113.5#

Instrument :

MSVOA_D

ClientSampleId :

CF-VOC



#33

1,2-Dichloroethane-d4

Concen: 87.217 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD069505.D

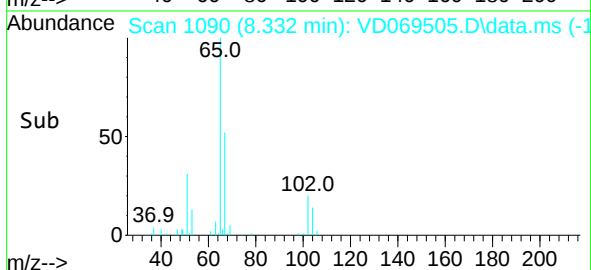
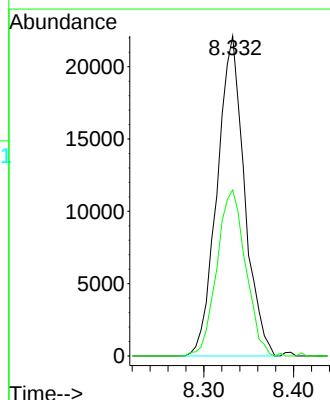
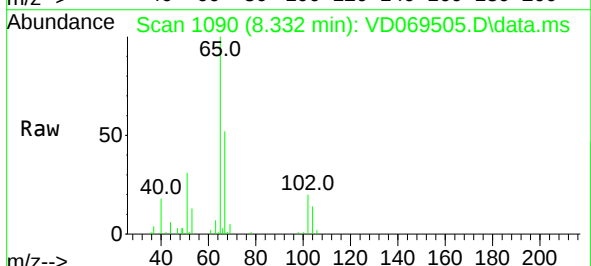
Acq: 21 Jun 2021 17:25

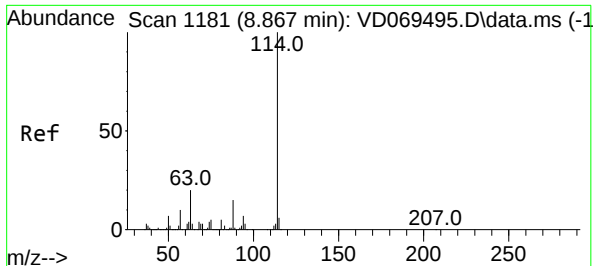
Tgt Ion: 65 Resp: 46781

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD069505.D

Acq: 21 Jun 2021 17:25

Tgt Ion:114 Resp: 74671

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

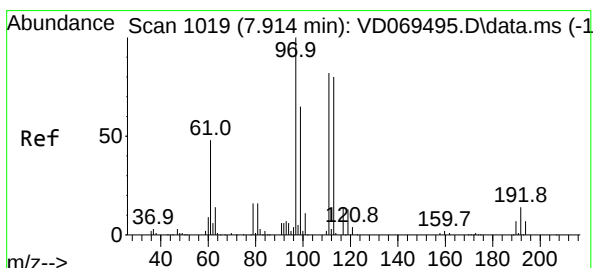
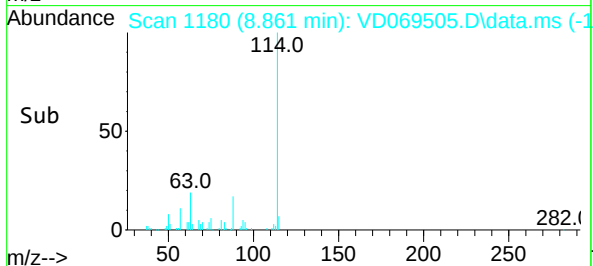
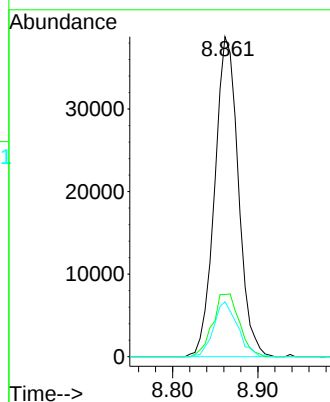
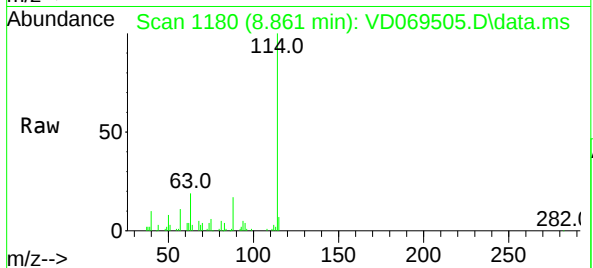
88 17.1 0.0 29.8

Instrument :

MSVOA_D

ClientSampleId :

CF-VOC



#35

Dibromofluoromethane

Concen: 68.349 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069505.D

Acq: 21 Jun 2021 17:25

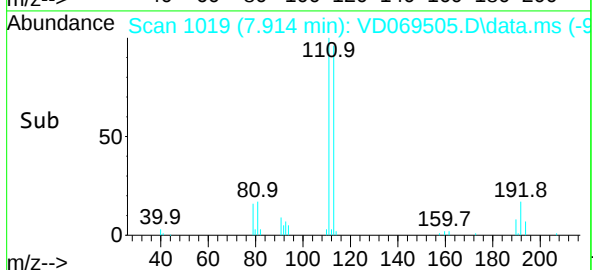
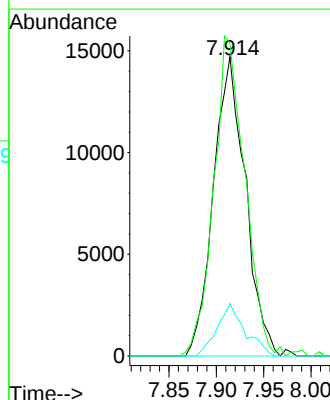
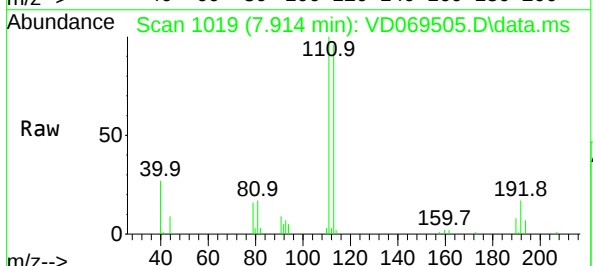
Tgt Ion:113 Resp: 34500

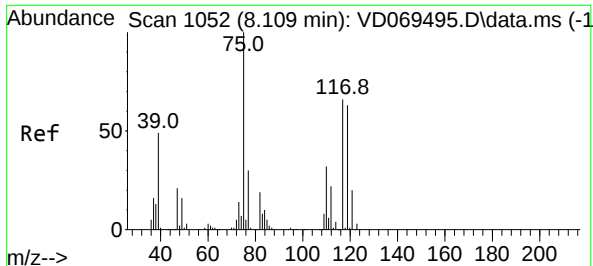
Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.8

192 15.3 13.8 20.6

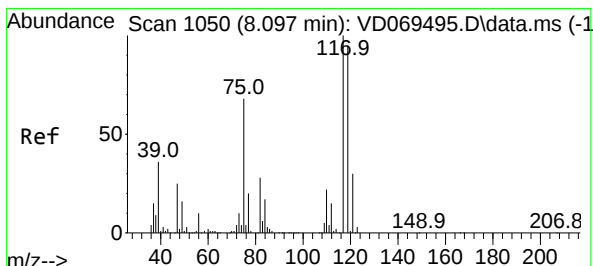
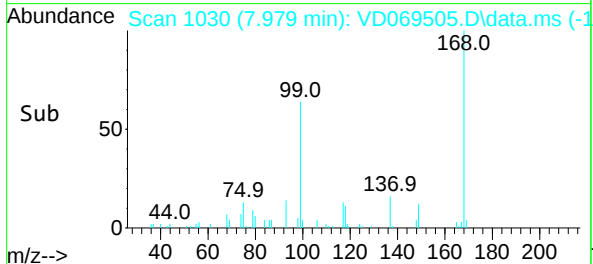
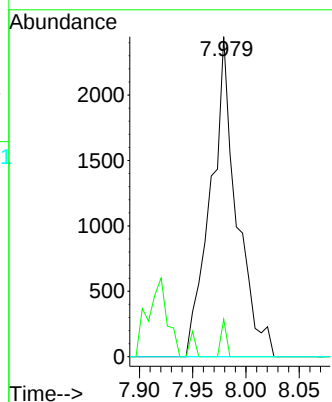
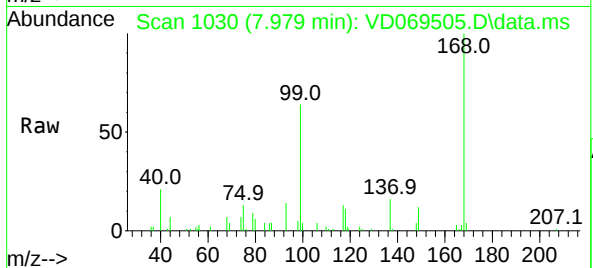




#36
1,1-Dichloropropene
Concen: 5.661 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

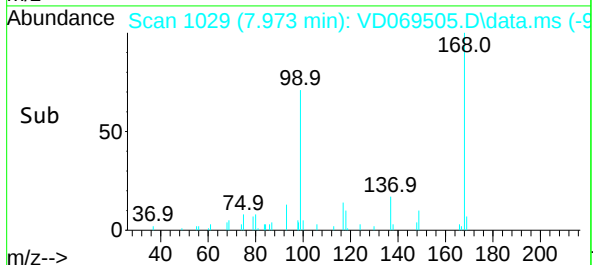
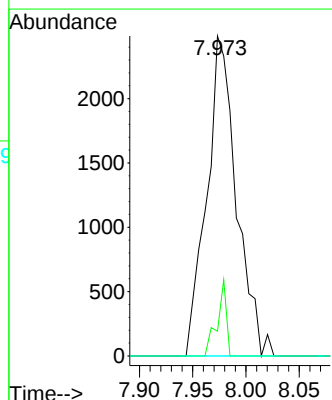
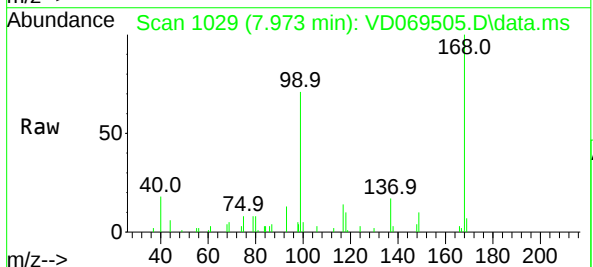
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

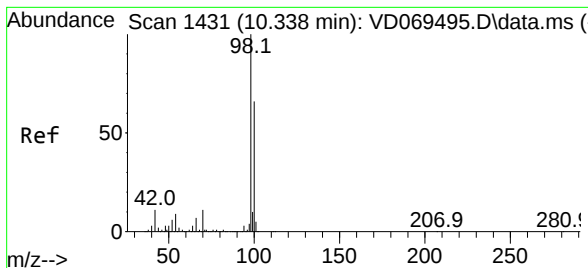
Tgt Ion: 75 Resp: 4149
Ion Ratio Lower Upper
75 100
110 2.4 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.657 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 117 Resp: 4828
Ion Ratio Lower Upper
117 100
119 7.7 75.6 113.4#
121 0.0 23.8 35.8#

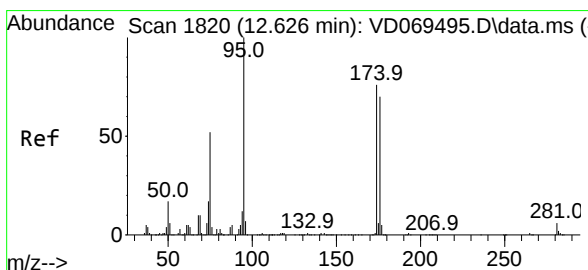
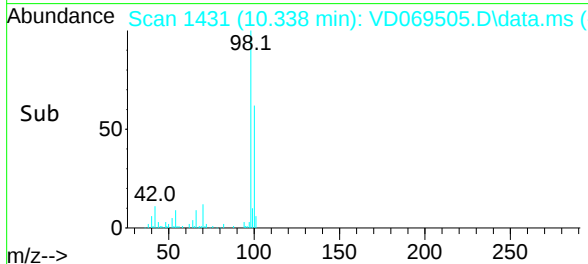
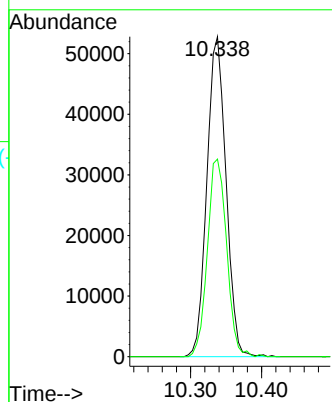
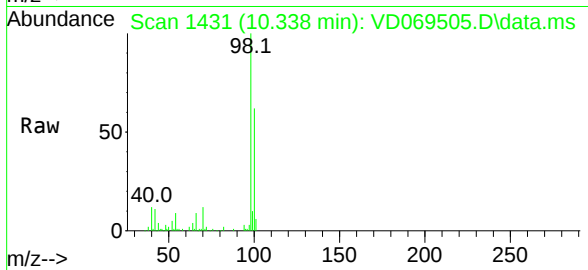




#50
Toluene-d8
Concen: 52.201 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

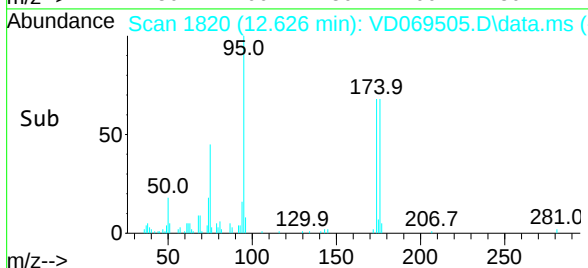
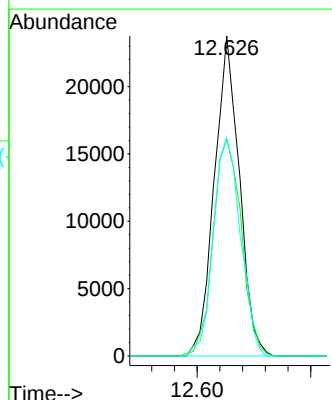
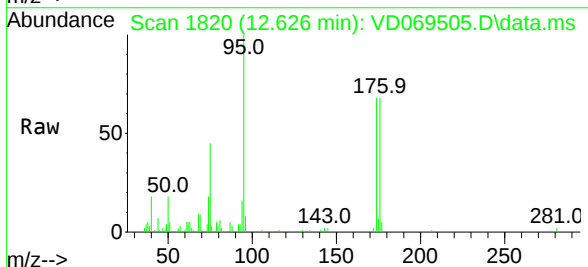
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

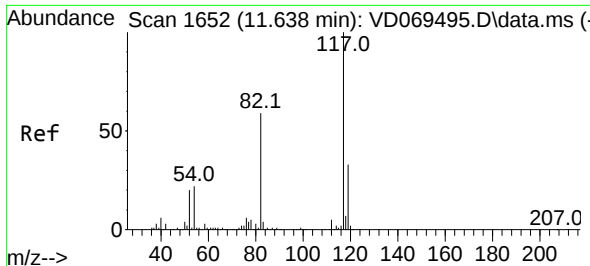
Tgt Ion: 98 Resp: 98833
Ion Ratio Lower Upper
98 100
100 62.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 58.381 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 95 Resp: 36339
Ion Ratio Lower Upper
95 100
174 76.3 0.0 148.0
176 74.3 0.0 139.8

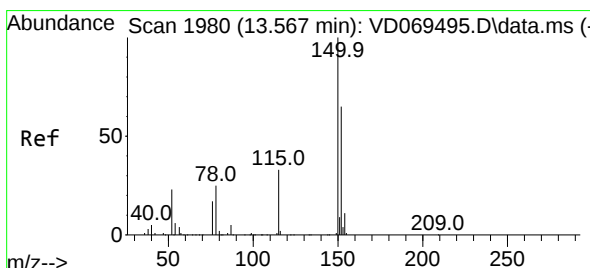
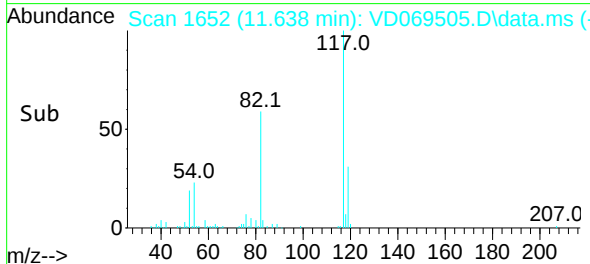
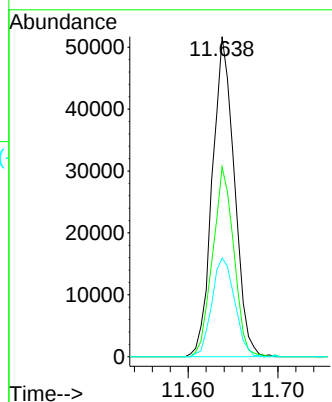
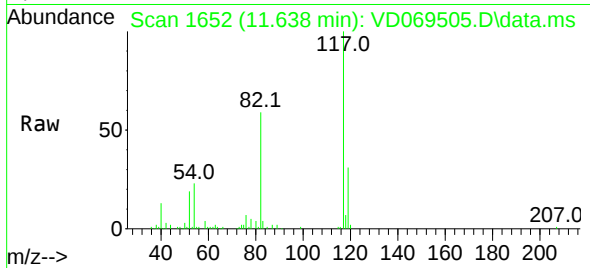




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

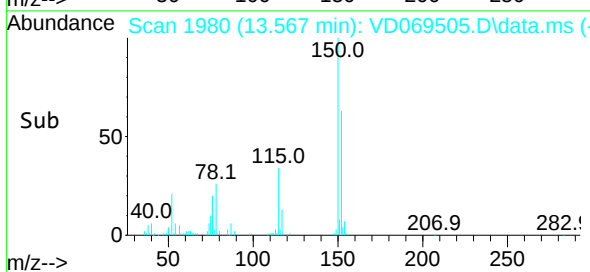
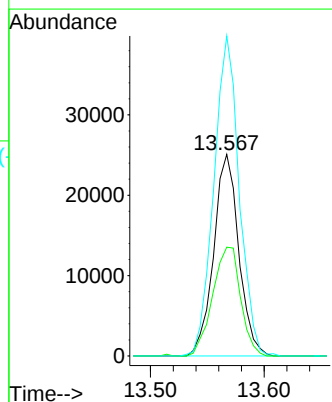
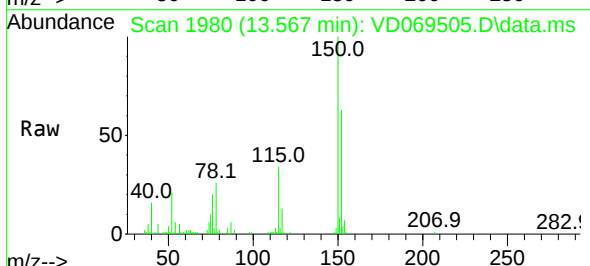
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

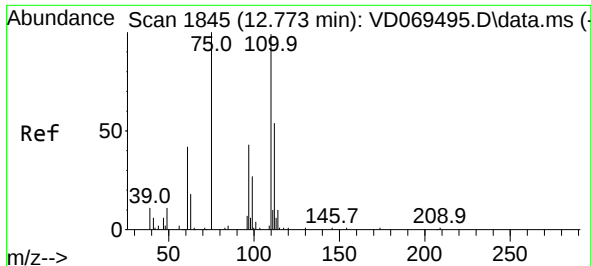
Tgt Ion:117 Resp: 88224
Ion Ratio Lower Upper
117 100
82 59.2 46.8 70.2
119 30.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion:152 Resp: 38579
Ion Ratio Lower Upper
152 100
115 59.9 31.7 95.1
150 160.1 0.0 350.8

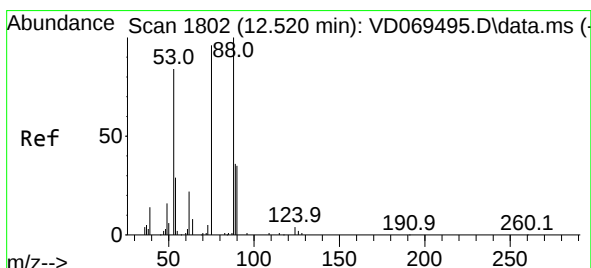
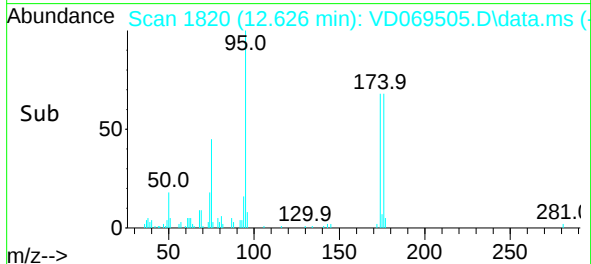
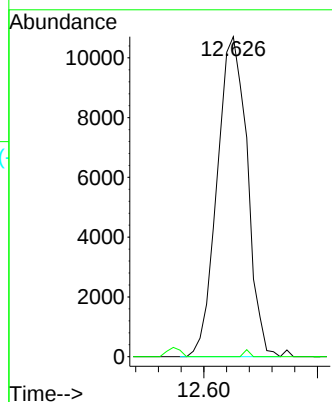
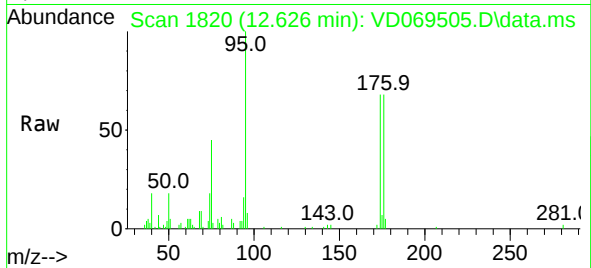




#76
1,2,3-Trichloropropane
Concen: 52.007 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

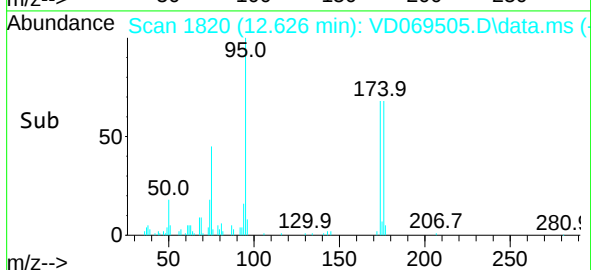
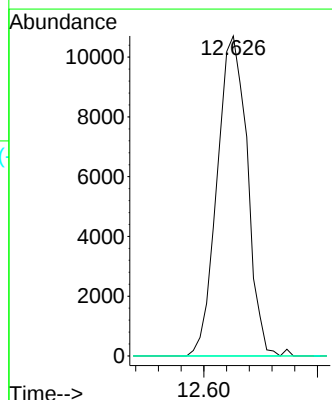
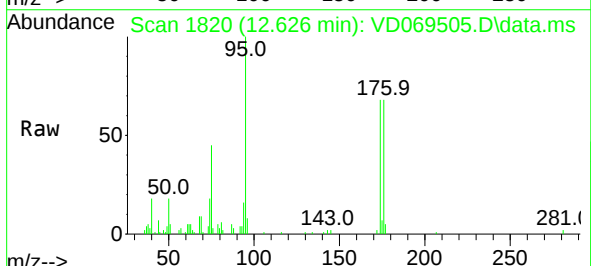
Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

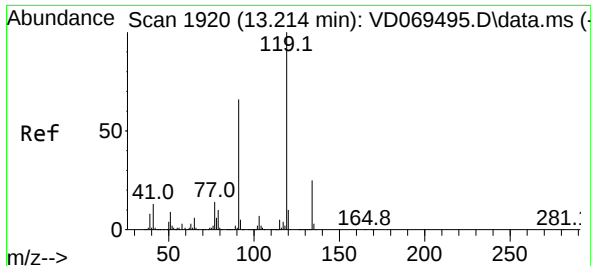
Tgt Ion: 75 Resp: 19695
Ion Ratio Lower Upper
75 100
77 0.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.853 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion: 75 Resp: 19695
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

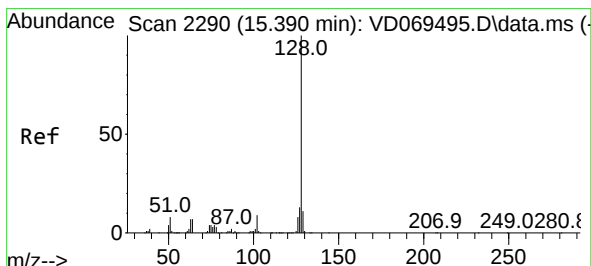
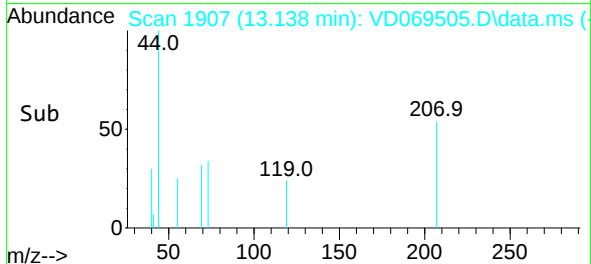
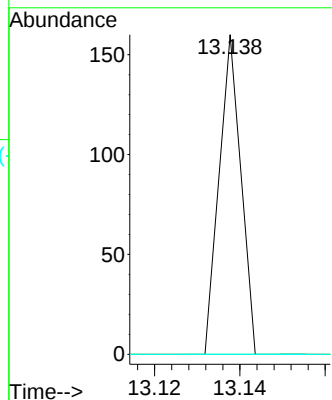
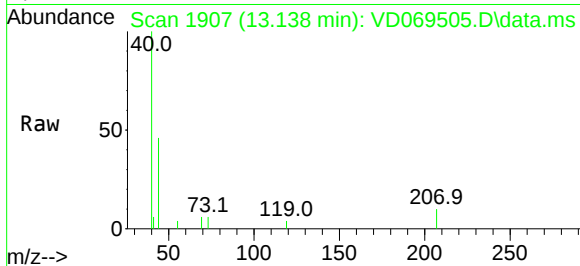




#83
tert-Butylbenzene
Concen: 2.019 ug/l
RT: 13.138 min Scan# 1907
Delta R.T. -0.076 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Instrument :
MSVOA_D
ClientSampleId :
CF-VOC

Tgt Ion:119 Resp: 56
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.559 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069505.D
Acq: 21 Jun 2021 17:25

Tgt Ion:128 Resp: 264
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 21.6 8.7 13.1#

