

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076408.D
 Acq On : 13 Jun 2023 16:48
 Operator : KP/SY
 Sample : 03155-03RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC

Quant Time: Jun 14 05:48:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

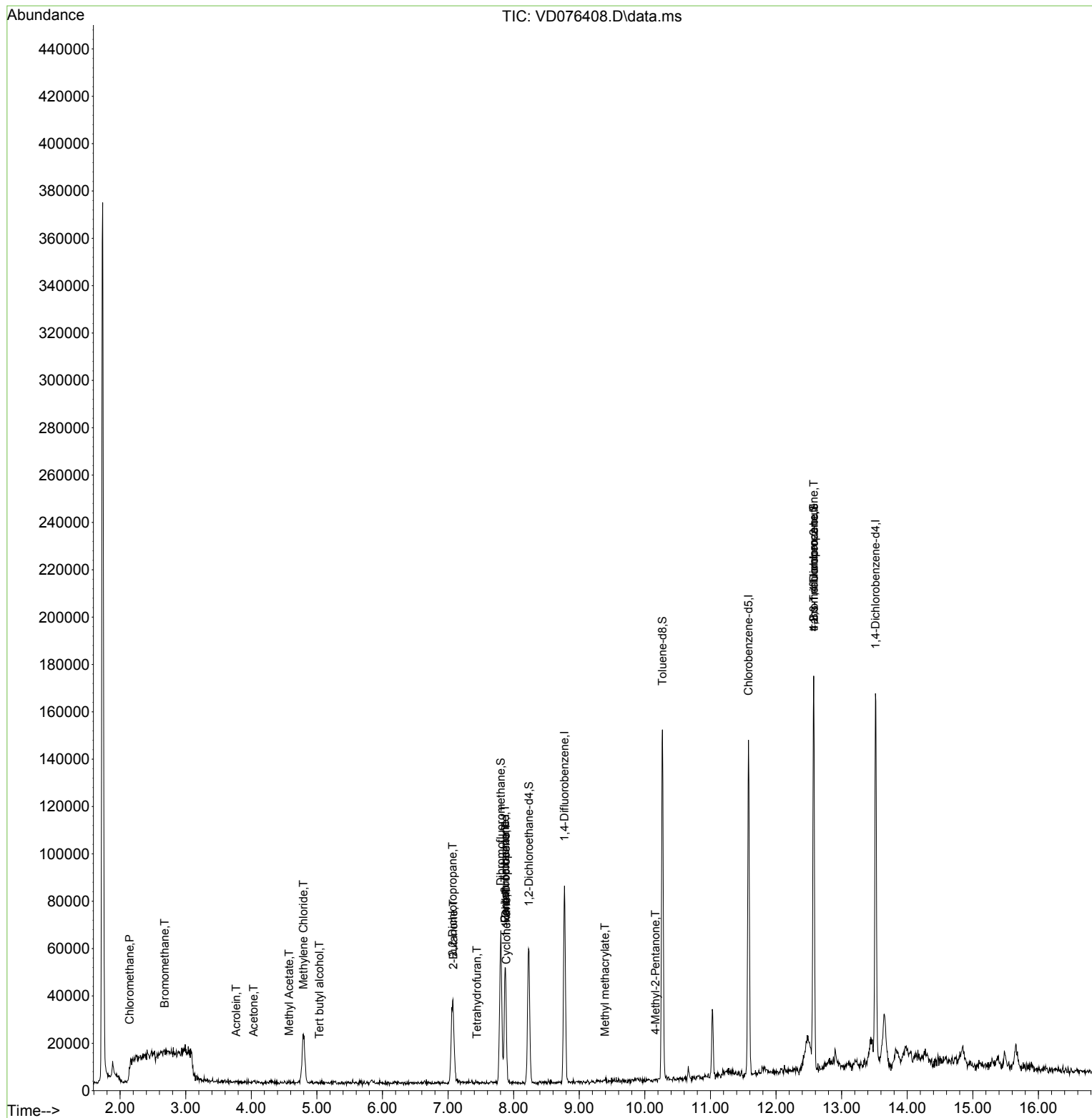
Internal Standards						
1) Pentafluorobenzene	7.869	168	38388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	69996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	79652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45229	102.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 204.020%#			
35) Dibromofluoromethane	7.804	113	44301	97.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 195.860%#			
50) Toluene-d8	10.269	98	99876	58.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.520%			
62) 4-Bromofluorobenzene	12.575	95	50919	86.577	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 173.160%#			
Target Compounds					Qvalue	
3) Chloromethane	2.146	50	739	1.138	ug/l #	41
5) Bromomethane	2.681	94	688	2.114	ug/l #	27
11) Tert butyl alcohol	5.040	59	140	3.777	ug/l #	73
13) Acrolein	3.769	56	60	1.411	ug/l #	1
16) Acetone	4.034	43	1343	13.778	ug/l #	32
18) Methyl Acetate	4.575	43	1228	2.763	ug/l #	50
20) Methylene Chloride	4.793	84	14905	26.064	ug/l #	81
25) 2-Butanone	7.081	43	3397	22.283	ug/l #	37
26) 2,2-Dichloropropane	7.069	77	2871	3.759	ug/l #	54
28) Bromochloromethane	7.446	49	63	Below Cal	#	1
29) Tetrahydrofuran	7.440	42	209	2.149	ug/l #	43
31) Cyclohexane	7.887	56	952	1.342	ug/l #	31
36) 1,1-Dichloropropene	7.881	75	3275	4.960	ug/l #	41
38) Carbon Tetrachloride	7.869	117	3734	6.091	ug/l #	11
48) Methyl methacrylate	9.393	41	731	2.094	ug/l #	25
51) 4-Methyl-2-Pentanone	10.163	43	952	2.632	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	25577	67.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	25577	121.259	ug/l #	18

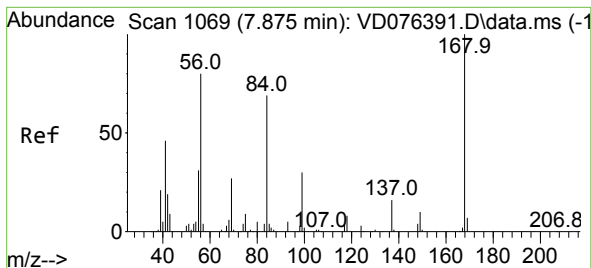
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 14 05:48:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076408.D

Acq: 13 Jun 2023 16:48

Instrument :

MSVOA_D

ClientSampleId :

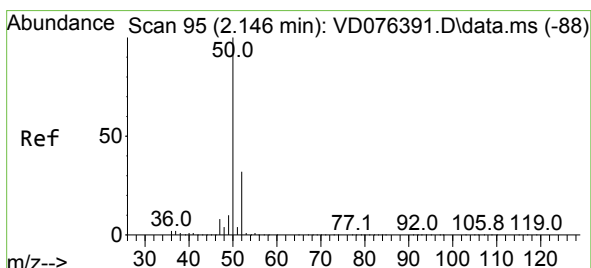
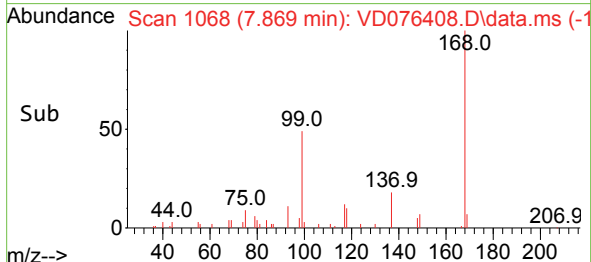
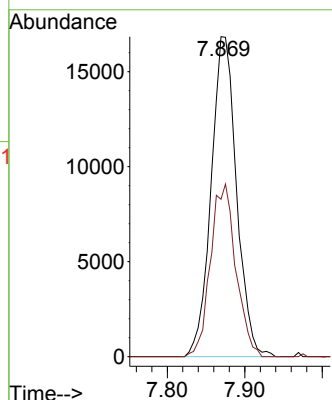
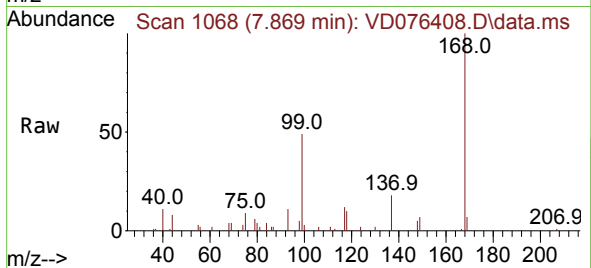
WC-1-VOC

Tgt Ion:168 Resp: 38388

Ion Ratio Lower Upper

168 100

99 49.2 36.7 55.1



#3

Chloromethane

Concen: 1.138 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD076408.D

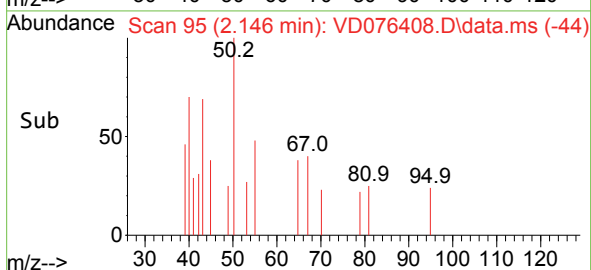
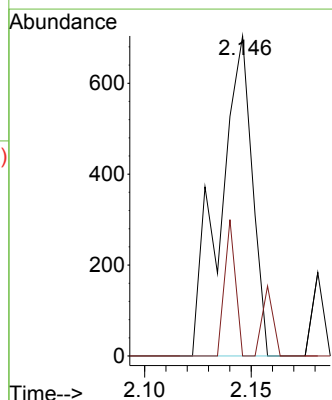
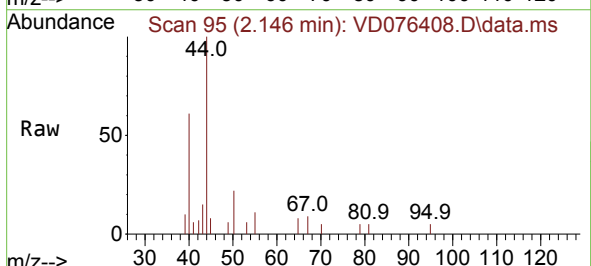
Acq: 13 Jun 2023 16:48

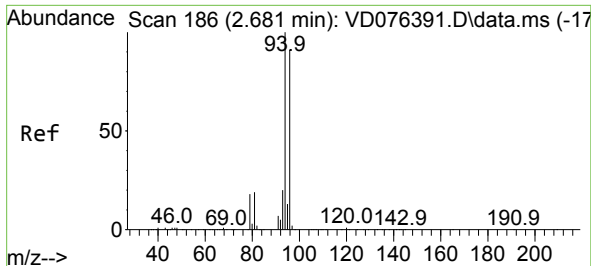
Tgt Ion: 50 Resp: 739

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#

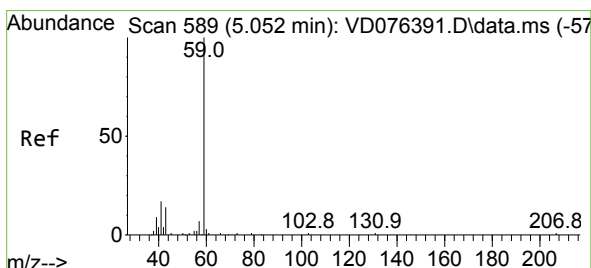
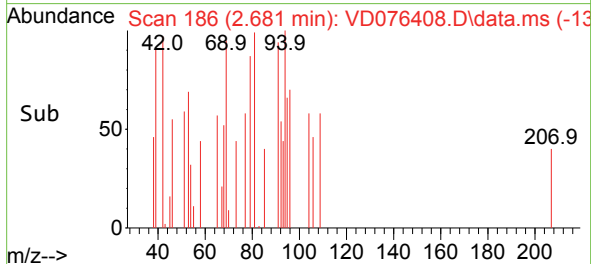
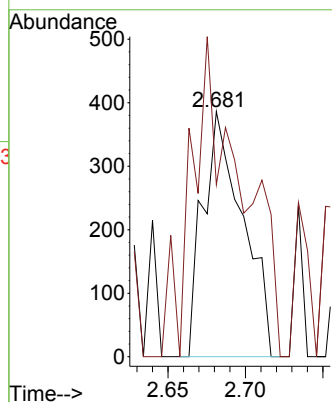
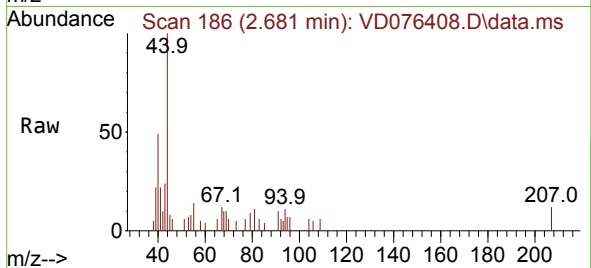




#5
Bromomethane
Concen: 2.114 ug/l
RT: 2.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

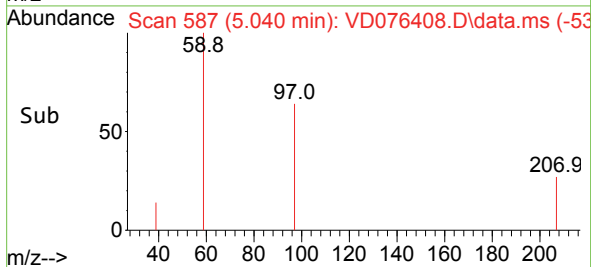
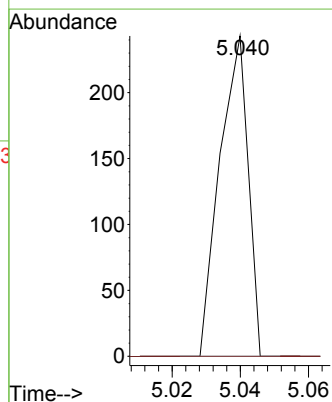
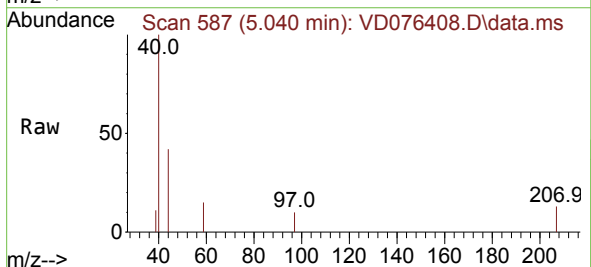
Instrument :
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WC-1-VOC

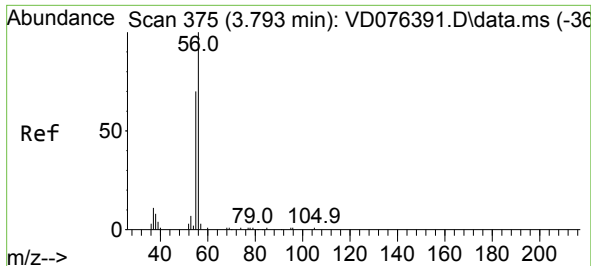
Tgt Ion: 94 Resp: 688
Ion Ratio Lower Upper
94 100
96 165.3 75.8 113.8#



#11
Tert butyl alcohol
Concen: 3.777 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.012 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

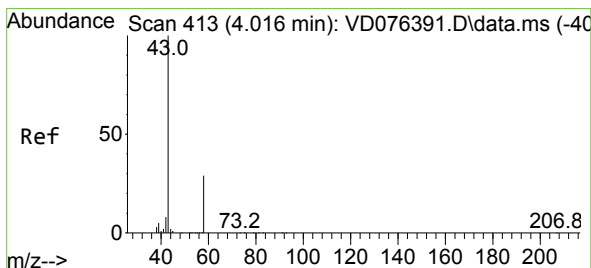
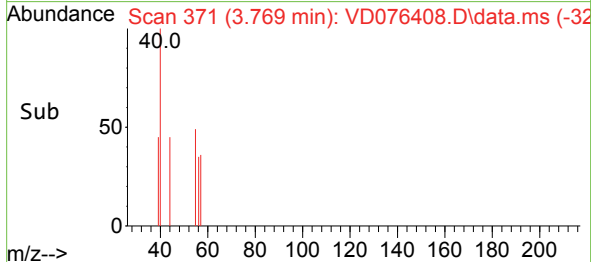
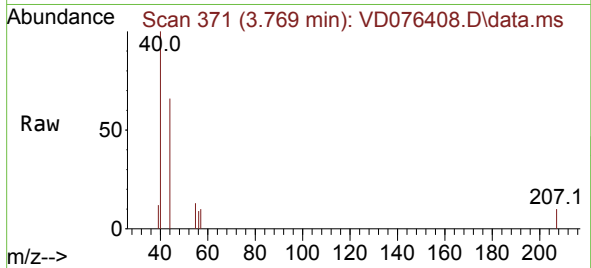




#13
Acrolein
Concen: 1.411 ug/l
RT: 3.769 min Scan# 31
Delta R.T. -0.023 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

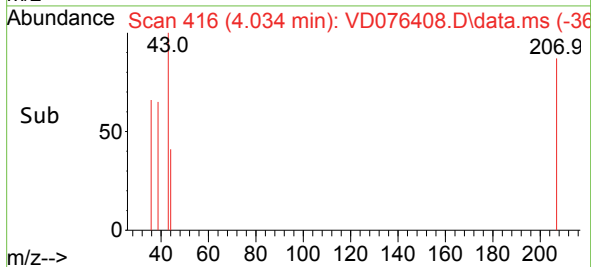
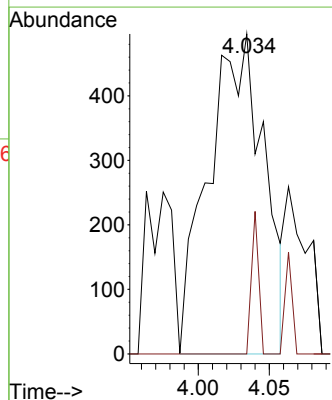
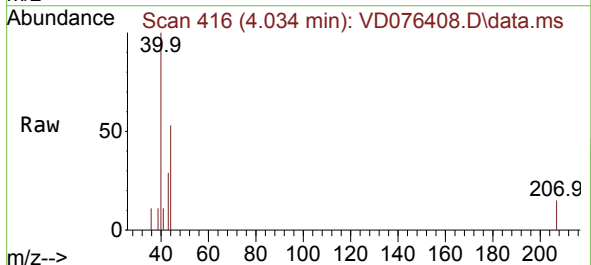
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WC-1-VOC

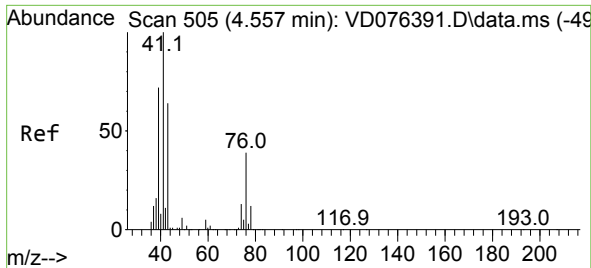
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 508.3 55.1 82.7#



#16
Acetone
Concen: 13.778 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.018 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 43 Resp: 1343
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

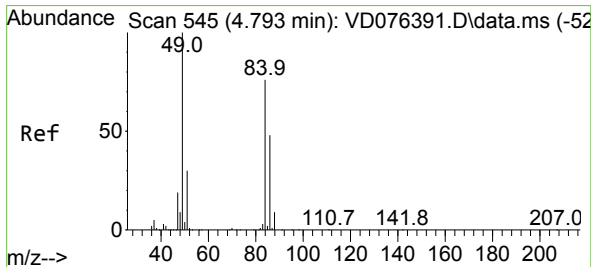
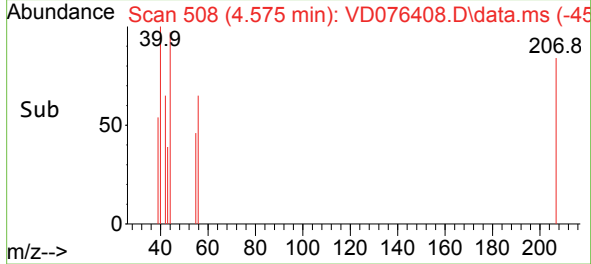
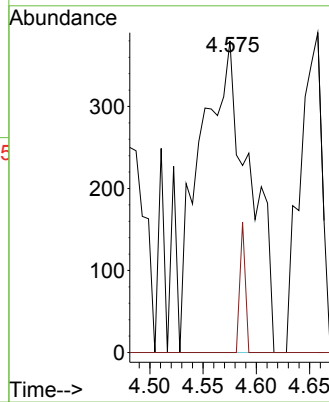
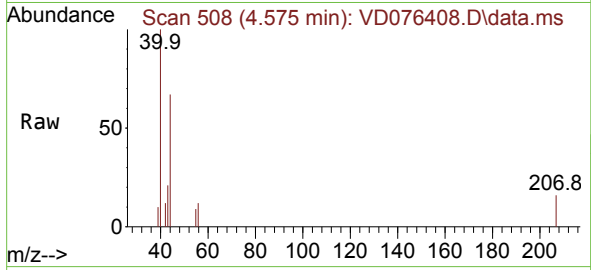




#18
Methyl Acetate
Concen: 2.763 ug/l
RT: 4.575 min Scan# 505
Delta R.T. 0.018 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

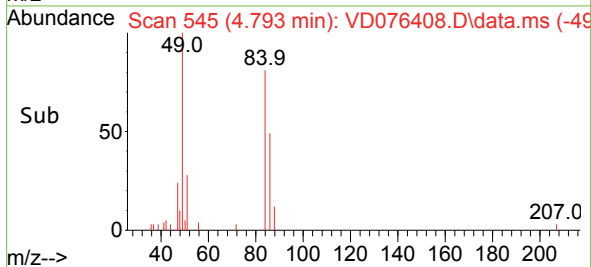
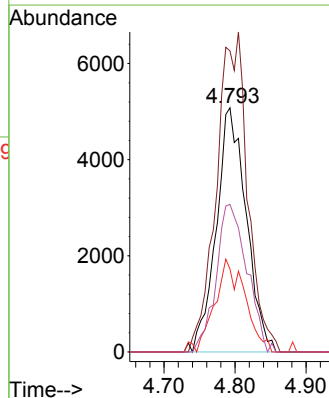
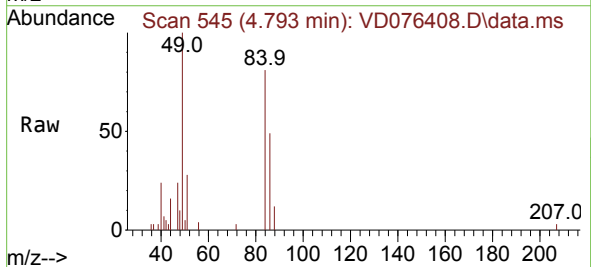
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

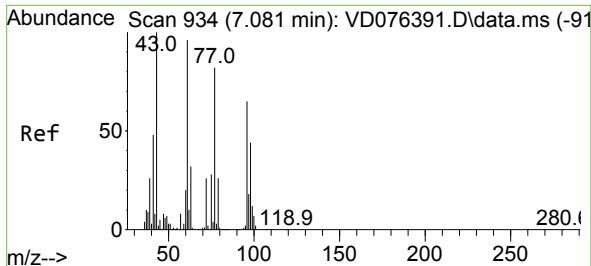
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
74 4.6 26.4 39.6#



#20
Methylene Chloride
Concen: 26.064 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 84 Resp: 14905
Ion Ratio Lower Upper
84 100
49 123.4 71.4 107.2#
51 34.0 24.5 36.7
86 60.4 48.7 73.1

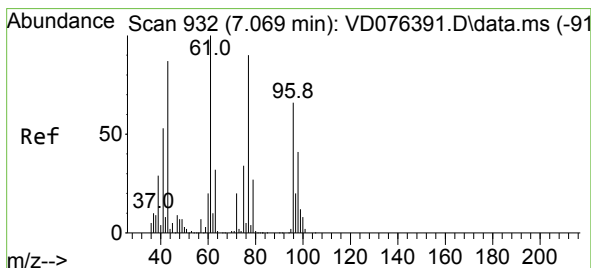
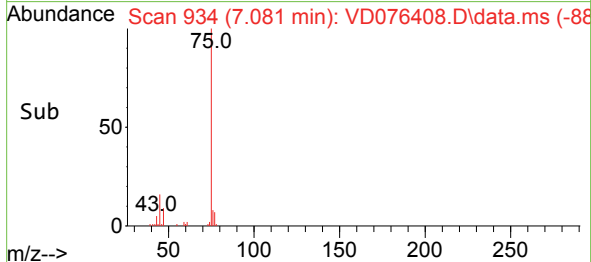
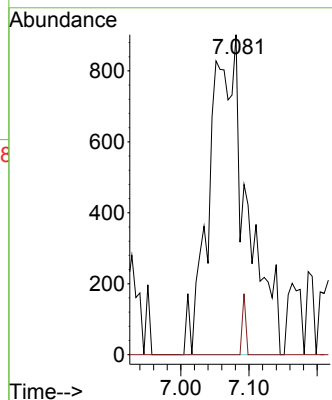
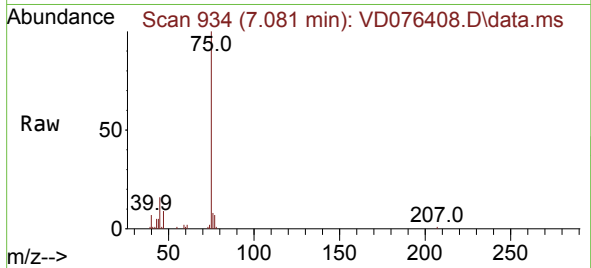




#25
2-Butanone
Concen: 22.283 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

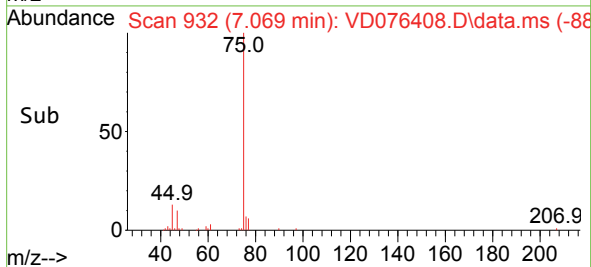
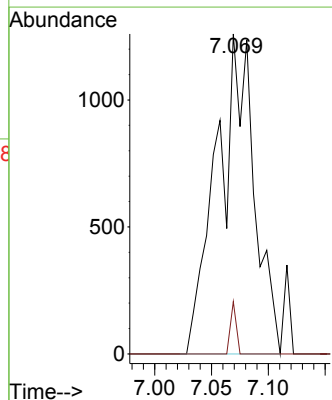
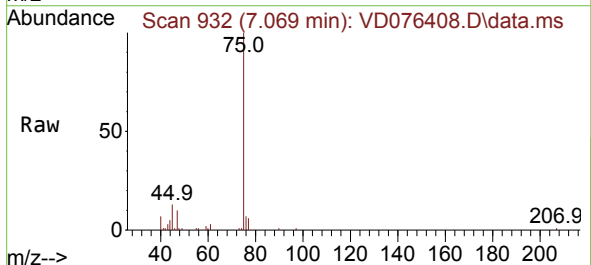
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

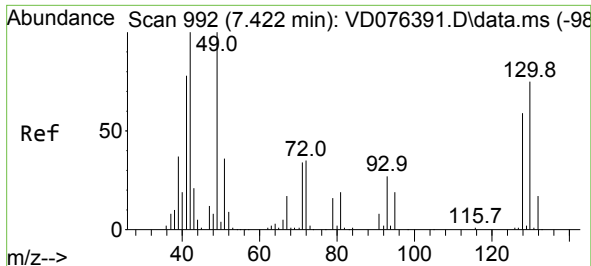
Tgt Ion: 43 Resp: 3397
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 3.759 ug/l
RT: 7.069 min Scan# 932
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 77 Resp: 2871
Ion Ratio Lower Upper
77 100
97 2.5 13.2 39.6#

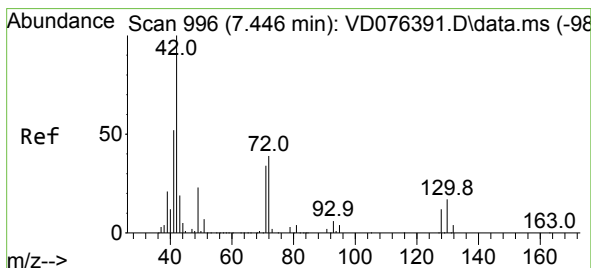
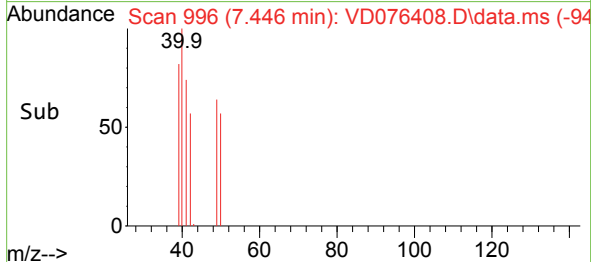
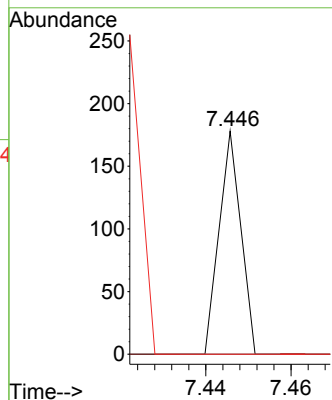
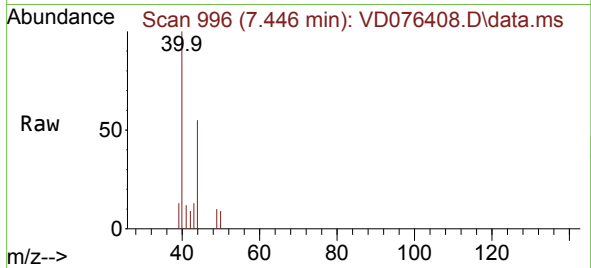




#28
Bromochloromethane
Concen: Below Cal
RT: 7.446 min Scan# 996
Delta R.T. 0.024 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

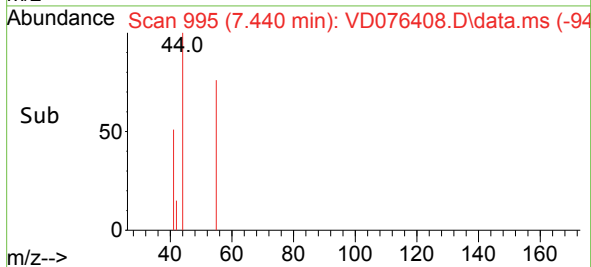
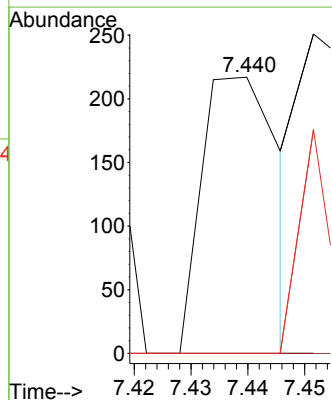
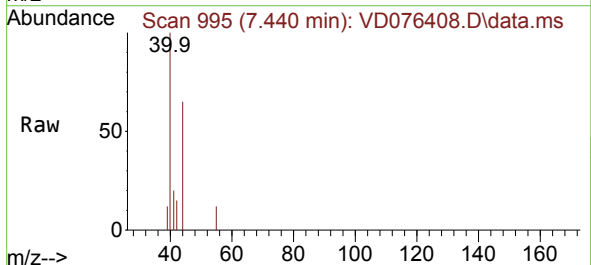
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WC-1-VOC

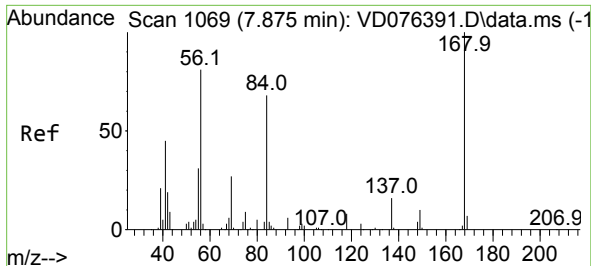
Tgt Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 2.149 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.006 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 42 Resp: 209
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 29.7 44.5 66.7#

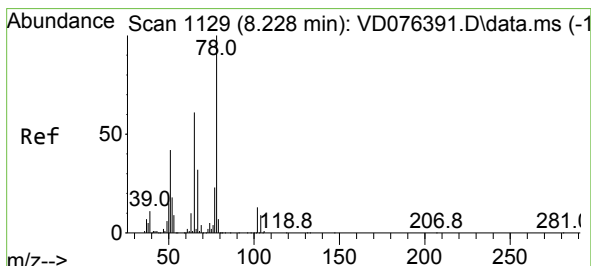
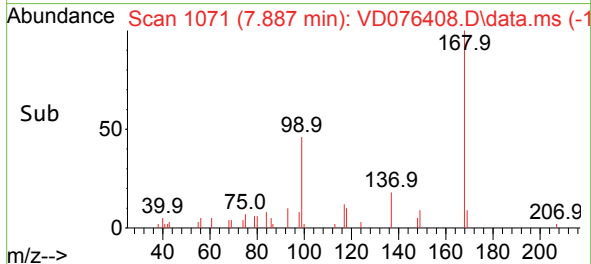
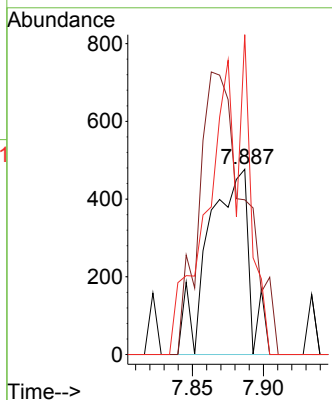
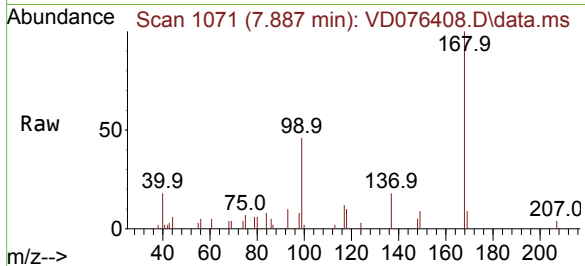




#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.887 min Scan# 1069
Delta R.T. 0.012 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

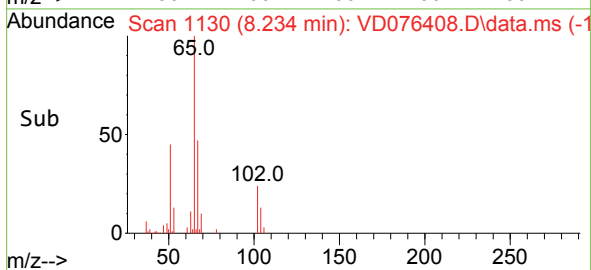
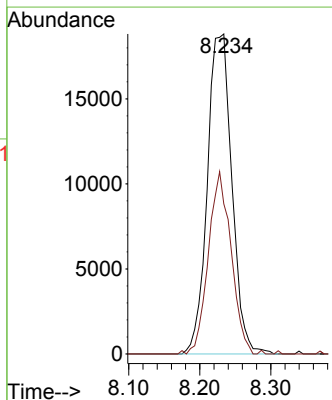
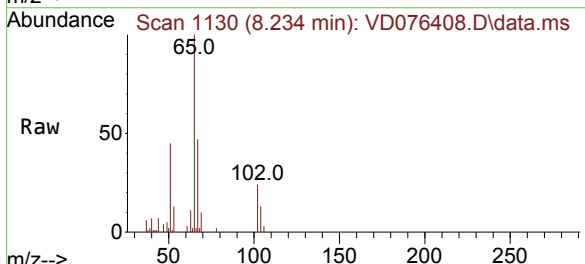
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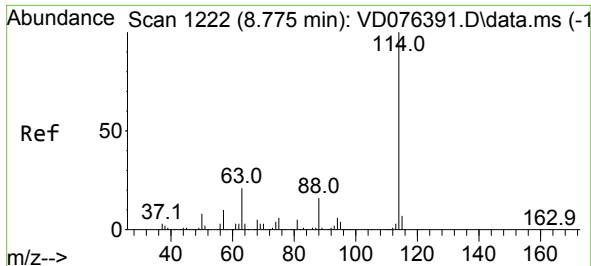
Tgt Ion: 56 Resp: 952
Ion Ratio Lower Upper
56 100
69 83.4 28.6 43.0#
84 172.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 102.006 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 65 Resp: 45229
Ion Ratio Lower Upper
65 100
67 52.7 0.0 115.0

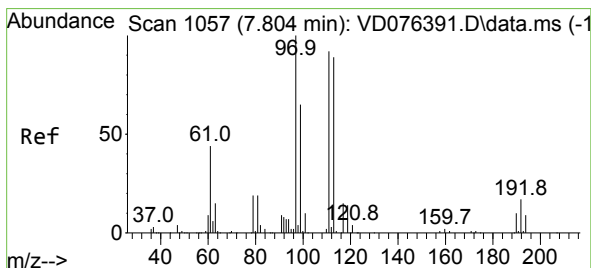
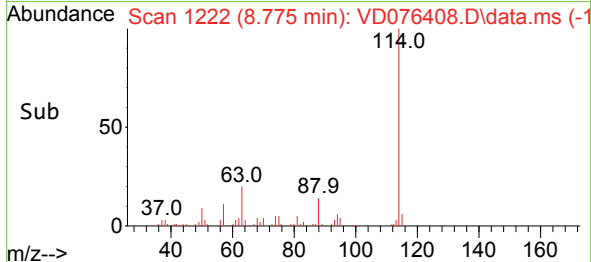
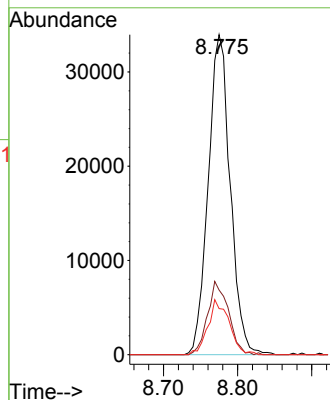
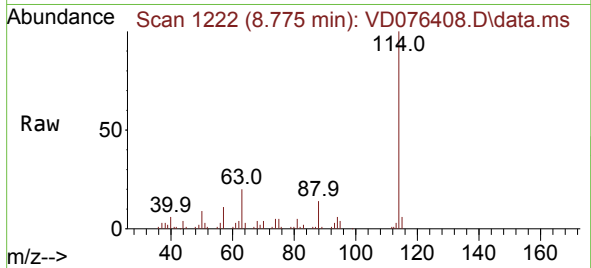




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 114
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

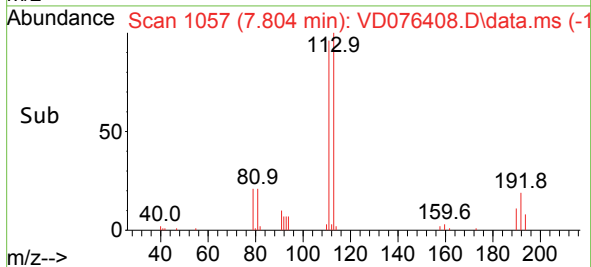
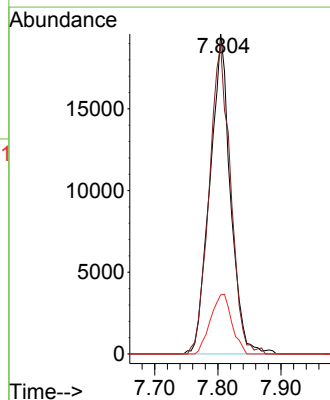
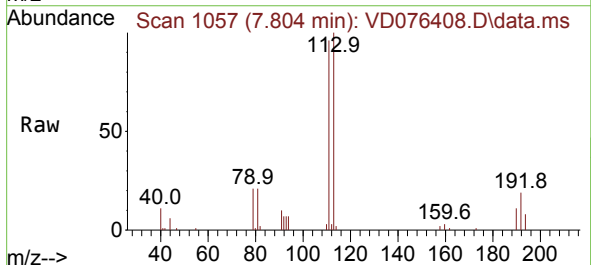
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

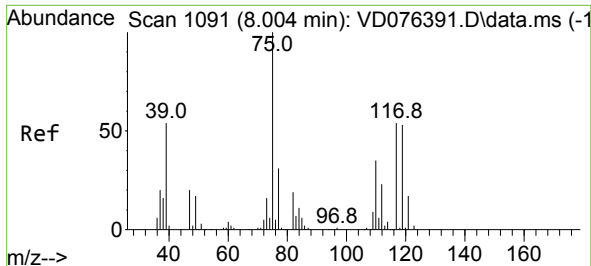
Tgt Ion:114 Resp: 69996
Ion Ratio Lower Upper
114 100
63 20.2 0.0 33.4
88 14.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 97.926 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion:113 Resp: 44301
Ion Ratio Lower Upper
113 100
111 100.6 84.7 127.1
192 19.3 16.8 25.2

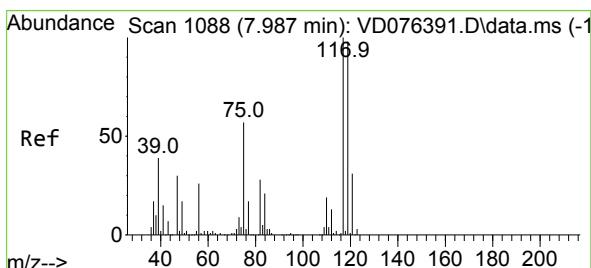
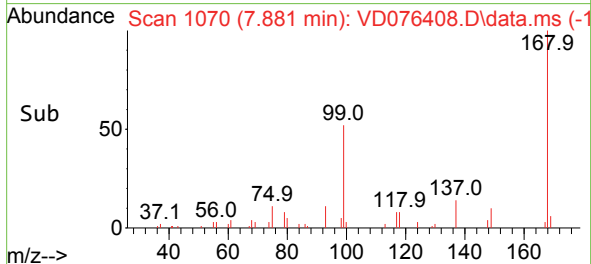
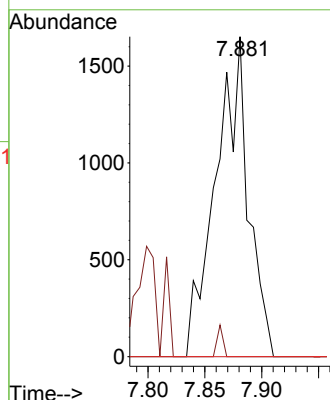
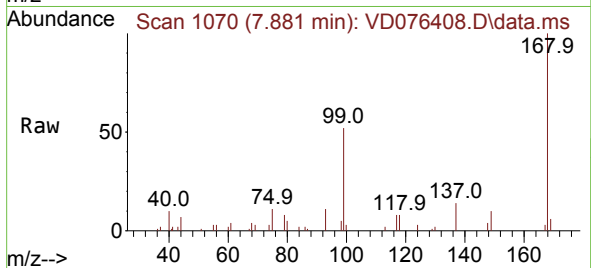




#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.881 min Scan# 1068
 Delta R.T. -0.123 min
 Lab File: VD076408.D
 Acq: 13 Jun 2023 16:48

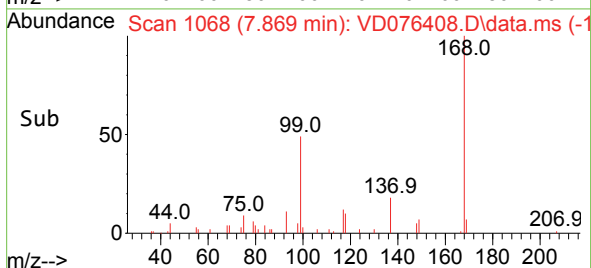
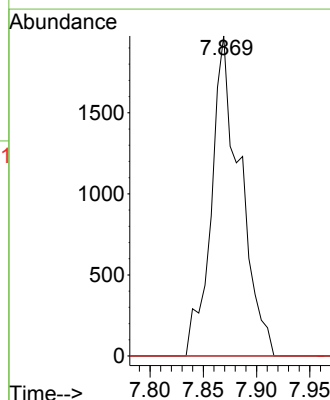
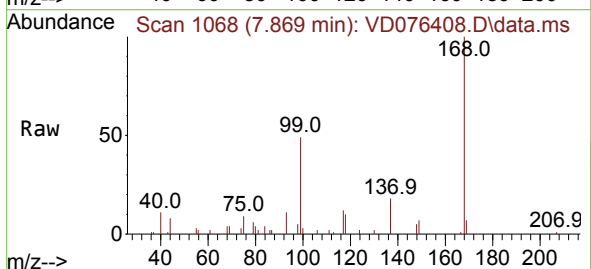
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC

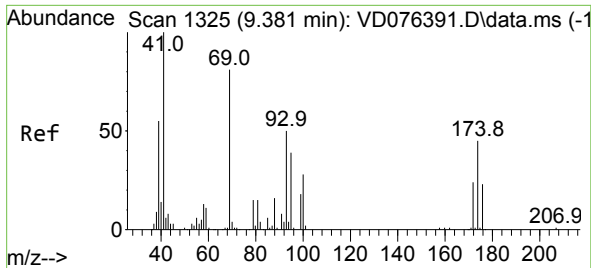
Tgt Ion: 75 Resp: 3275
 Ion Ratio Lower Upper
 75 100
 110 1.8 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.091 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.118 min
 Lab File: VD076408.D
 Acq: 13 Jun 2023 16:48

Tgt Ion: 117 Resp: 3734
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.0 117.0#
 121 0.0 24.2 36.2#

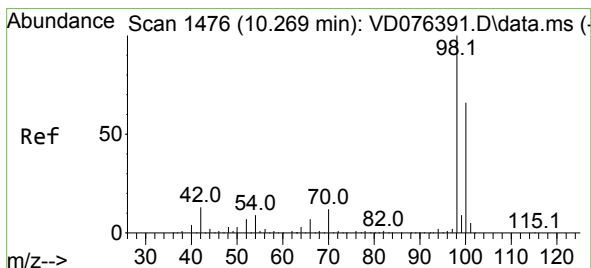
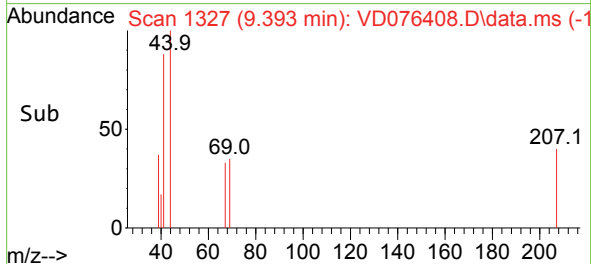
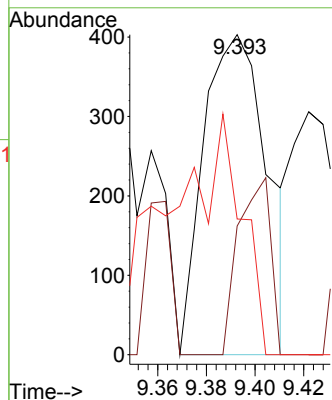
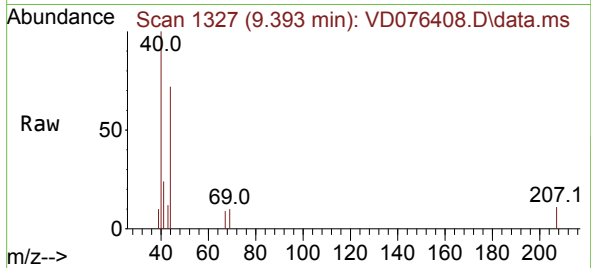




#48
Methyl methacrylate
Concen: 2.094 ug/l
RT: 9.393 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

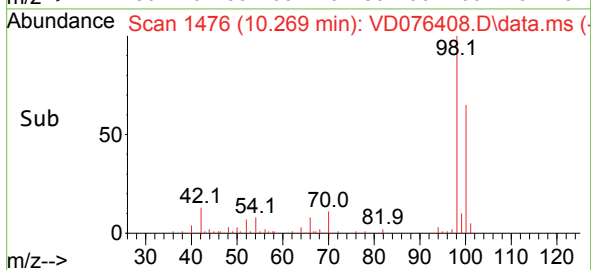
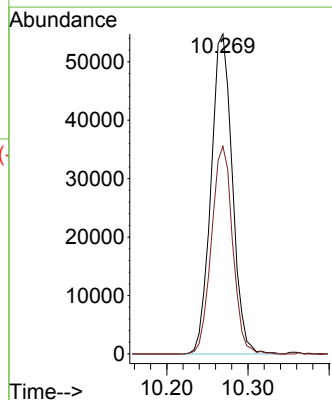
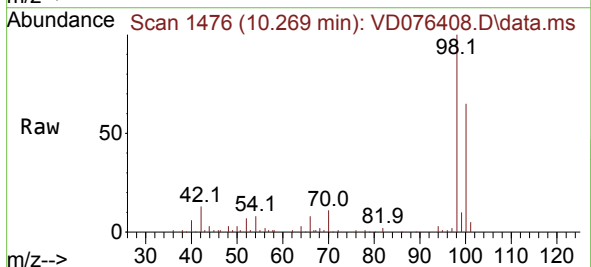
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

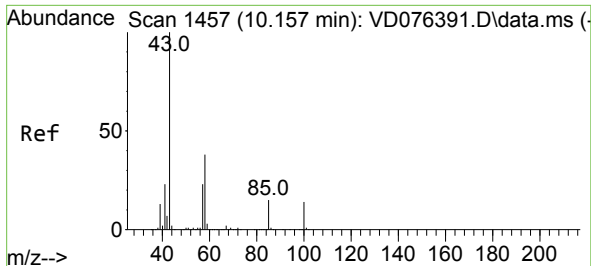
Tgt Ion: 41 Resp: 731
Ion Ratio Lower Upper
41 100
69 28.0 102.2 153.2#
39 85.4 41.4 62.2#



#50
Toluene-d8
Concen: 58.258 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 98 Resp: 99876
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

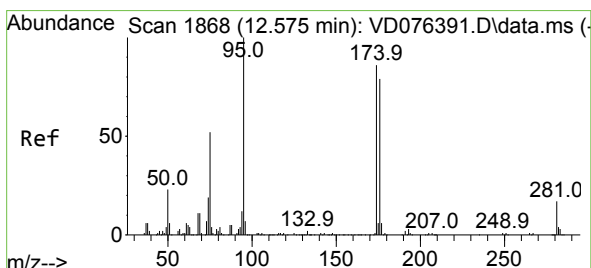
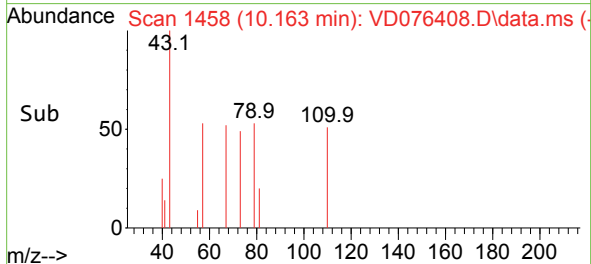
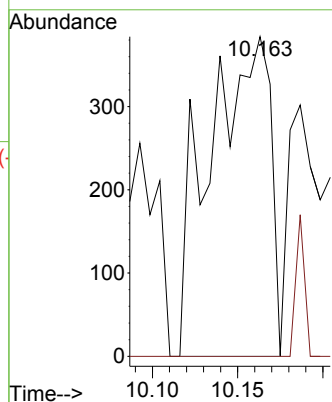
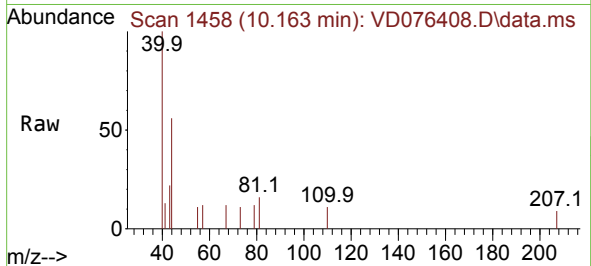




#51
4-Methyl-2-Pentanone
Concen: 2.632 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

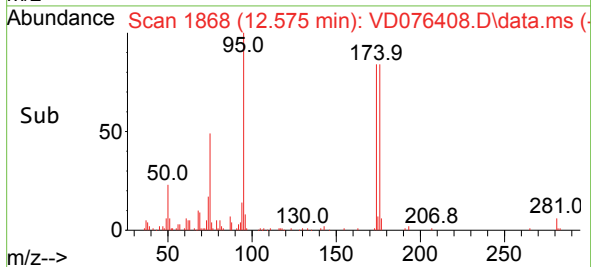
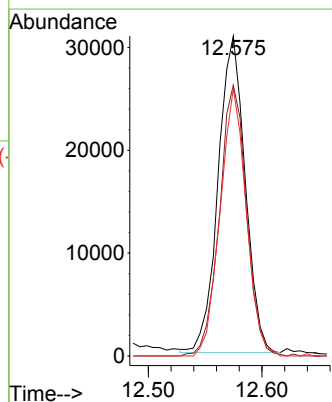
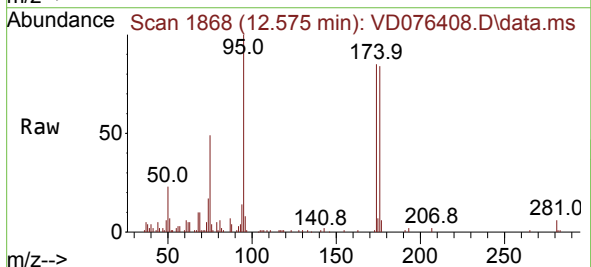
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

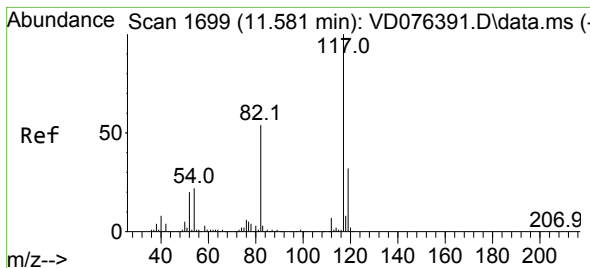
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 86.577 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 95 Resp: 50919
Ion Ratio Lower Upper
95 100
174 85.2 0.0 201.8
176 81.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076408.D

Acq: 13 Jun 2023 16:48

Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC

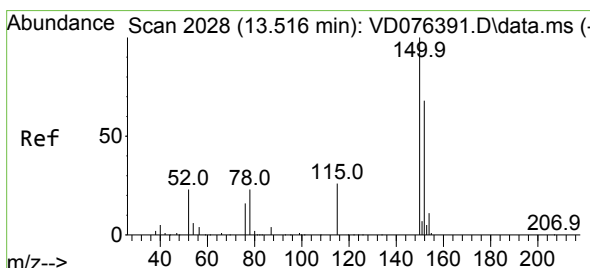
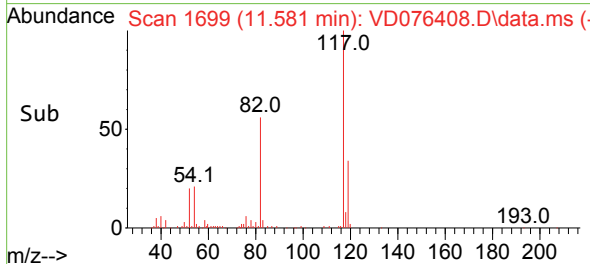
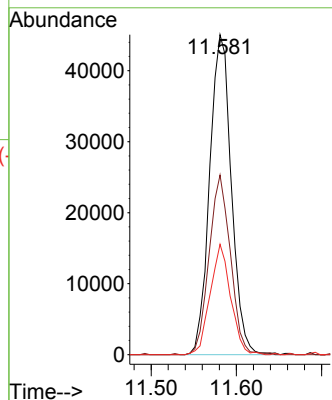
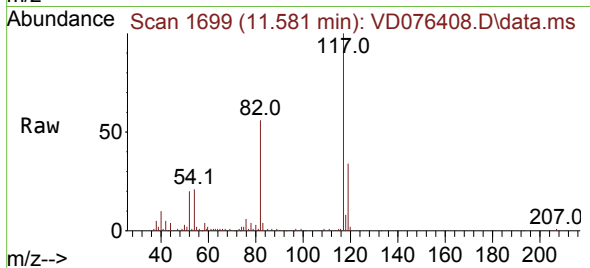
Tgt Ion:117 Resp: 79652

Ion Ratio Lower Upper

117 100

82 56.1 38.3 57.5

119 34.5 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD076408.D

Acq: 13 Jun 2023 16:48

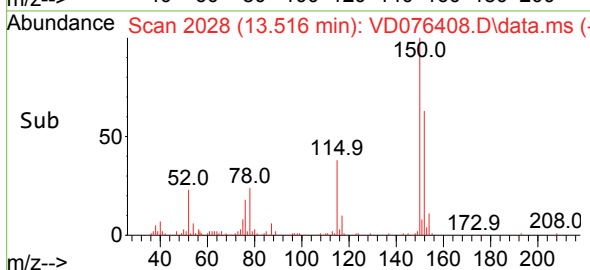
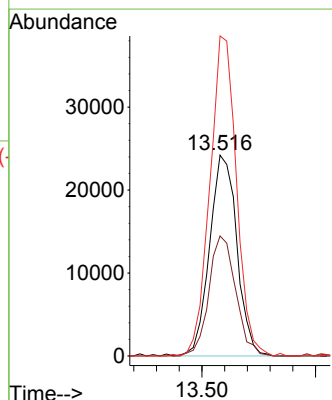
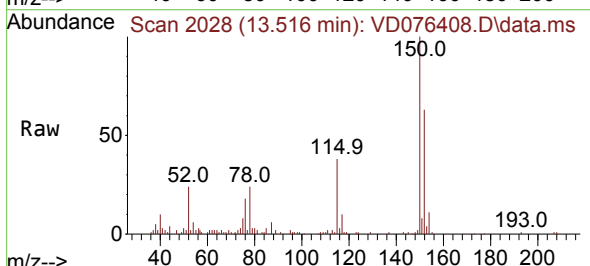
Tgt Ion:152 Resp: 40396

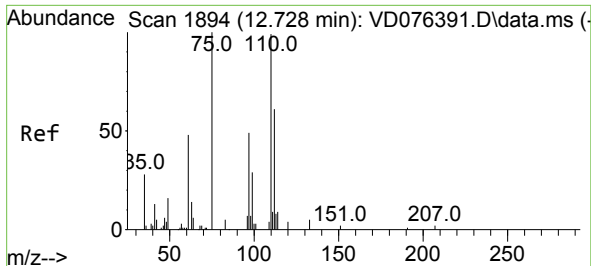
Ion Ratio Lower Upper

152 100

115 59.0 27.1 81.3

150 155.4 0.0 353.6

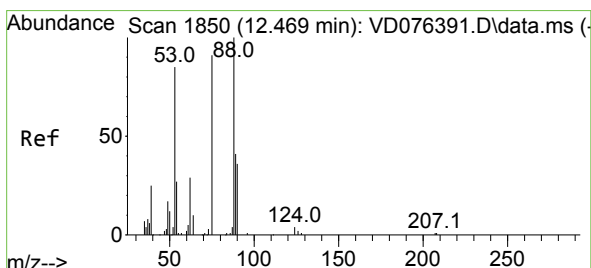
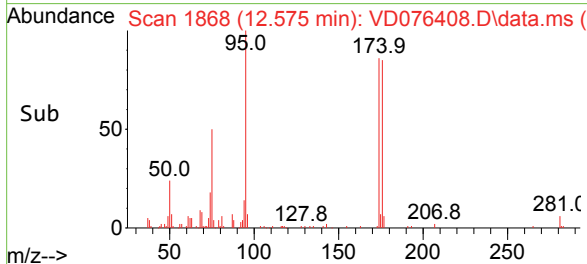
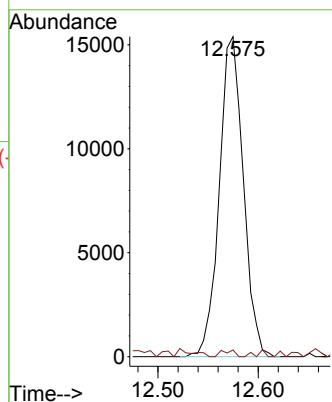
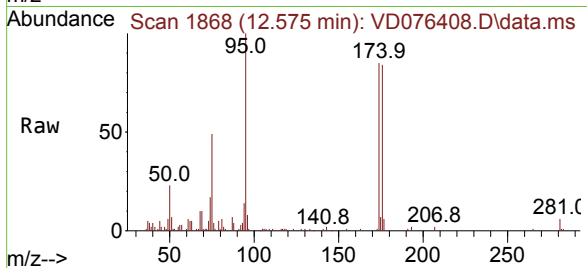




#76
1,2,3-Trichloropropane
Concen: 67.726 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

Tgt Ion: 75 Resp: 25577
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.259 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076408.D
Acq: 13 Jun 2023 16:48

Tgt Ion: 75 Resp: 25577
Ion Ratio Lower Upper
75 100
53 0.7 63.0 94.4#
89 0.0 37.9 56.9#

