

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070496.D
 Acq On : 28 Sep 2021 12:13
 Operator : VA/SY
 Sample : M3944-01RE
 Misc : 3.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BOILER-PIT-3-5RE

Quant Time: Sep 28 23:41:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

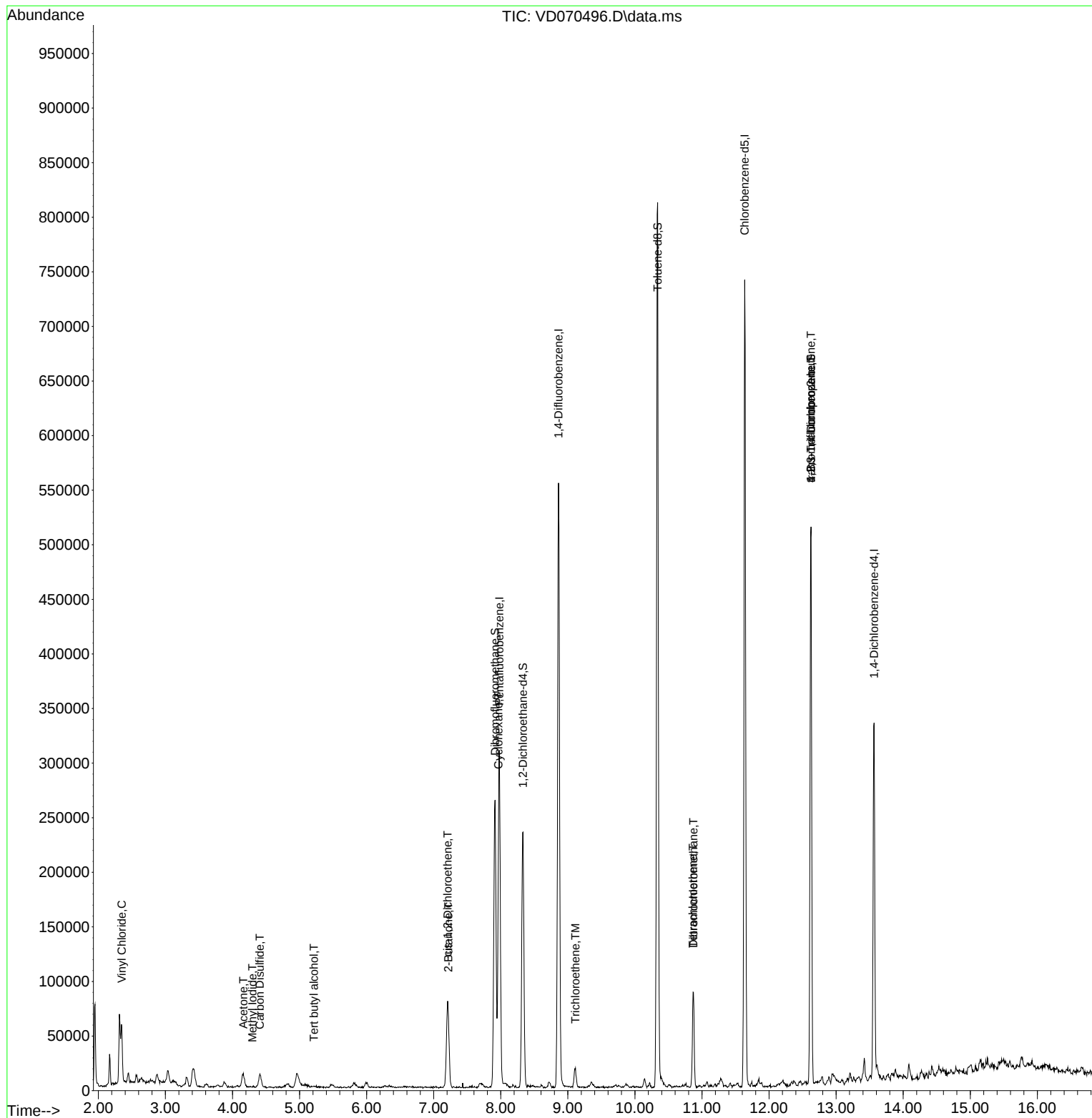
Internal Standards						
1) Pentafluorobenzene	7.979	168	218381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	483651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	440828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	91137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	190103	67.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.600%
35) Dibromofluoromethane	7.914	113	195360	56.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.500%
50) Toluene-d8	10.337	98	567631	45.412	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.820%
62) 4-Bromofluorobenzene	12.626	95	153668	35.177	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	774	Below Cal		94
3) Chloromethane	2.208	50	1458	Below Cal	#	83
4) Vinyl Chloride	2.350	62	19525	5.683	ug/l #	88
5) Bromomethane	2.779	94	1913	Below Cal	#	80
6) Chloroethane	2.926	64	418	Below Cal	#	43
10) Methyl Iodide	4.297	142	862	1.341	ug/l #	59
11) Tert butyl alcohol	5.214	59	1820	5.740	ug/l #	100
16) Acetone	4.161	43	20777	41.502	ug/l #	84
17) Carbon Disulfide	4.408	76	26557	2.831	ug/l #	89
18) Methyl Acetate	4.761	43	265	Below Cal	#	48
20) Methylene Chloride	4.955	84	9713	Below Cal		93
25) 2-Butanone	7.220	43	1336	2.005	ug/l #	78
27) cis-1,2-Dichloroethene	7.208	96	49749	15.302	ug/l	88
31) Cyclohexane	7.967	56	6252	1.294	ug/l #	27
44) Trichloroethene	9.114	130	6094	1.683	ug/l	67
60) Dibromochloromethane	10.873	129	20554	6.273	ug/l #	11
64) Tetrachloroethene	10.867	164	21277	7.927	ug/l	97
76) 1,2,3-Trichloropropane	12.626	75	72088	78.198	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	72088	195.933	ug/l #	18

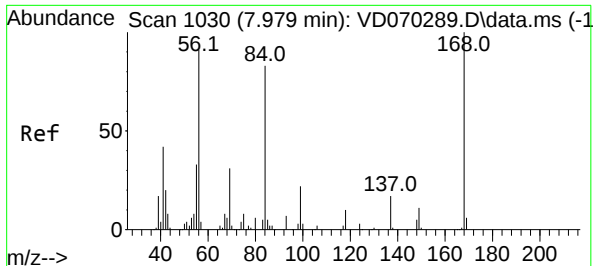
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

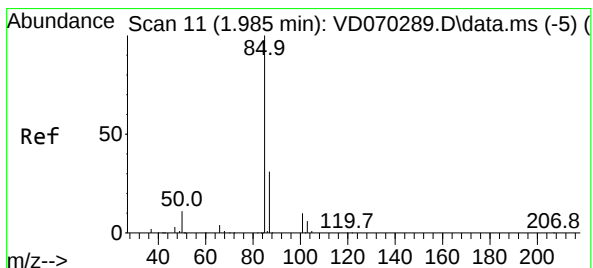
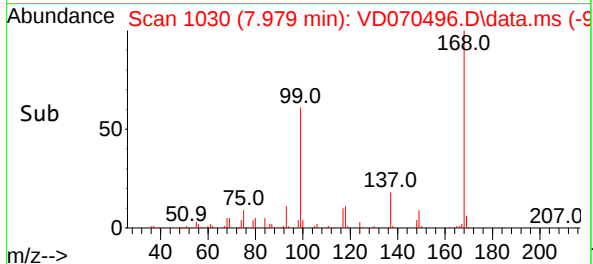
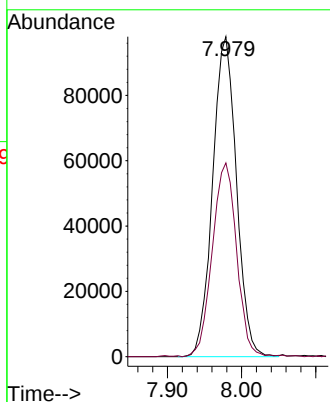
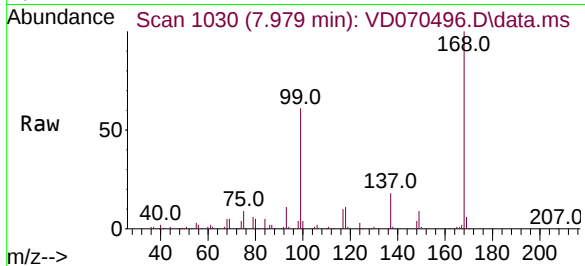




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

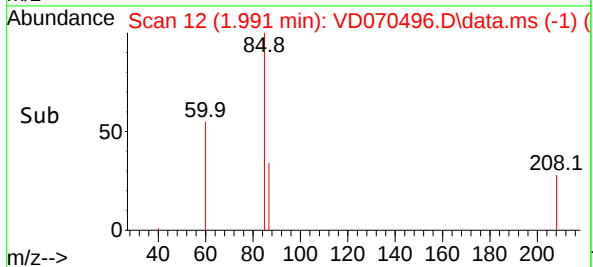
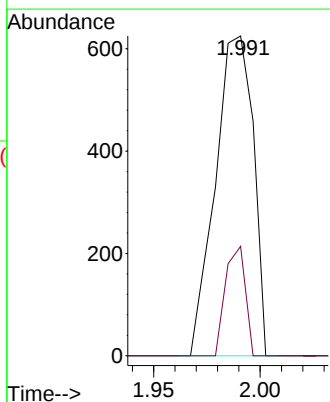
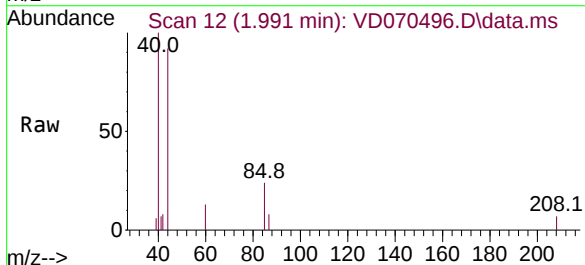
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

Tgt Ion:168 Resp: 218381
Ion Ratio Lower Upper
168 100
99 60.3 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 85 Resp: 774
Ion Ratio Lower Upper
85 100
87 34.2 15.6 46.8

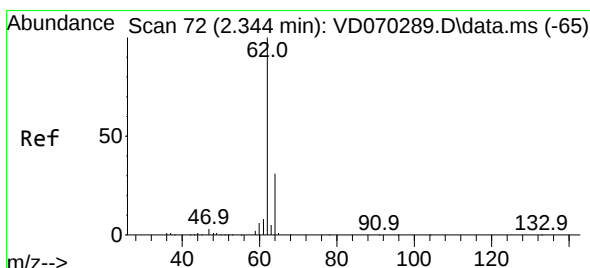
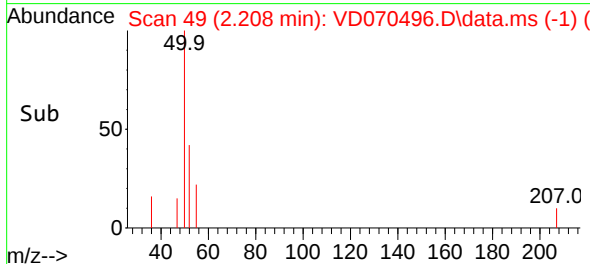
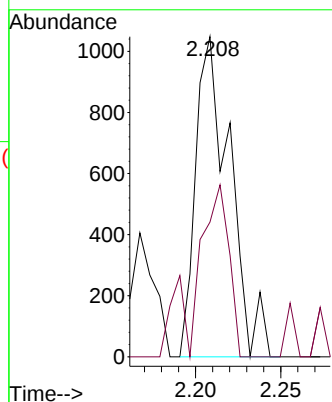
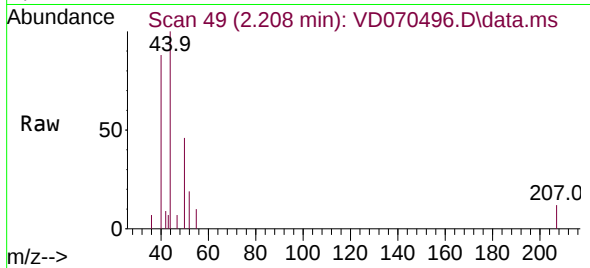




#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

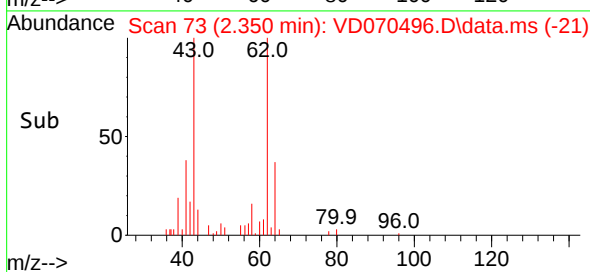
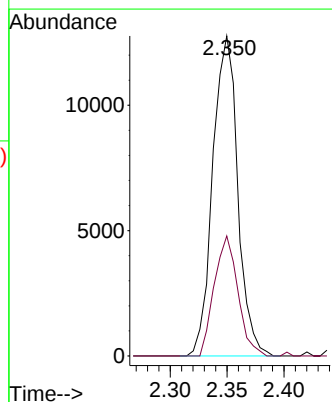
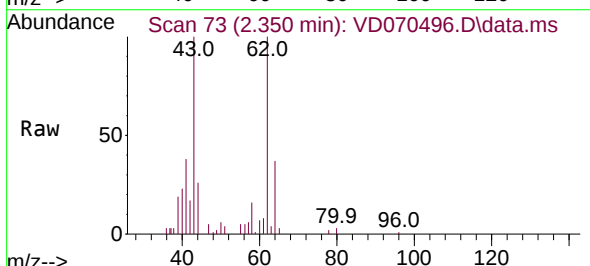
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

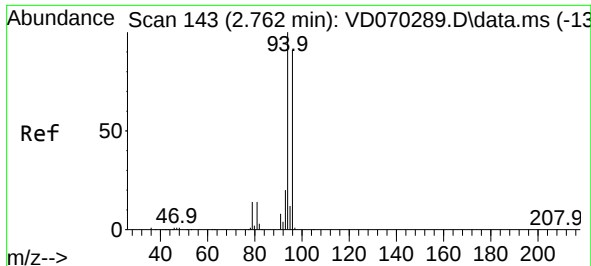
Tgt Ion: 50 Resp: 1458
Ion Ratio Lower Upper
50 100
52 42.1 26.2 39.2#



#4
Vinyl Chloride
Concen: 5.683 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 62 Resp: 19525
Ion Ratio Lower Upper
62 100
64 37.5 24.6 36.8#

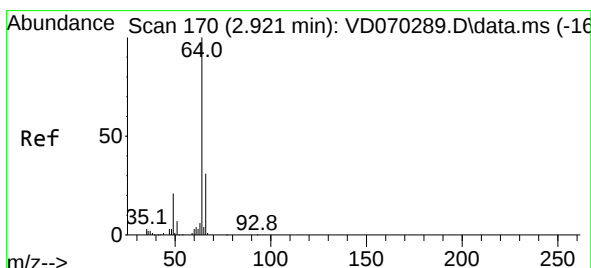
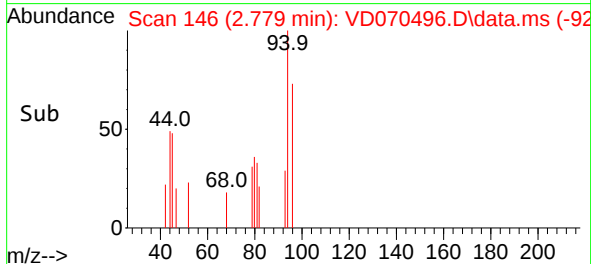
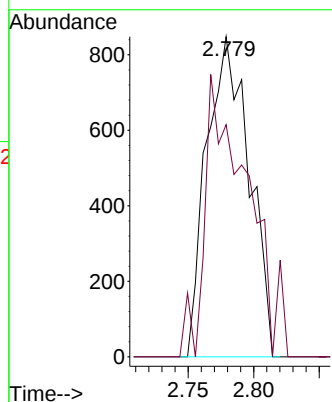
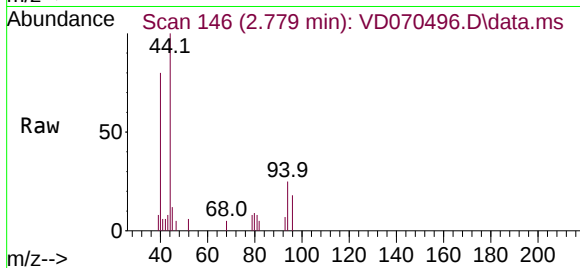




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

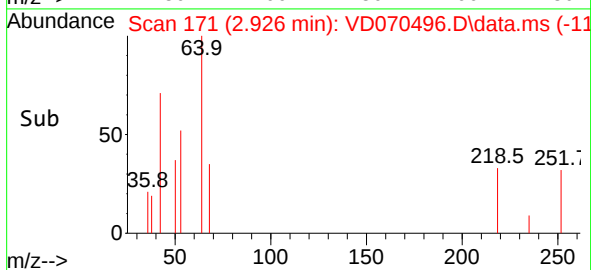
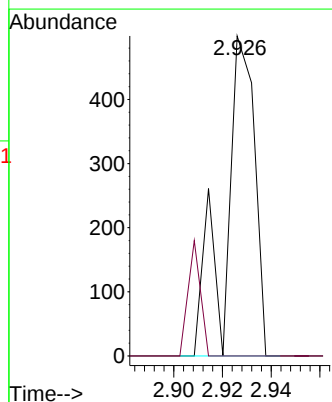
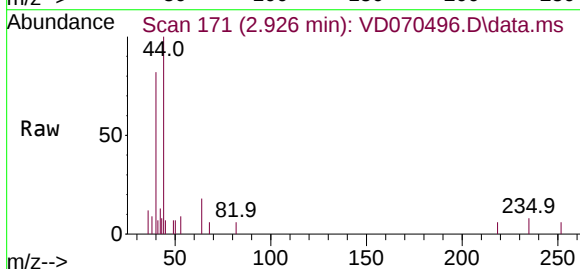
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

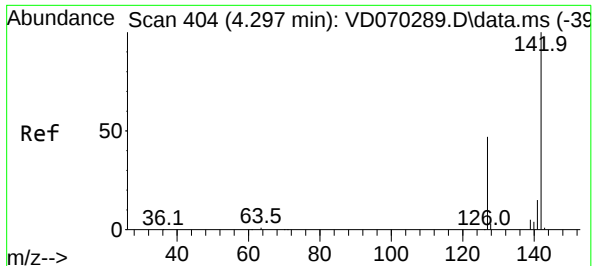
Tgt Ion: 94 Resp: 1913
Ion Ratio Lower Upper
94 100
96 72.5 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 64 Resp: 418
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

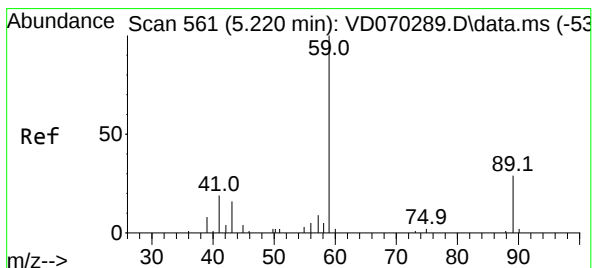
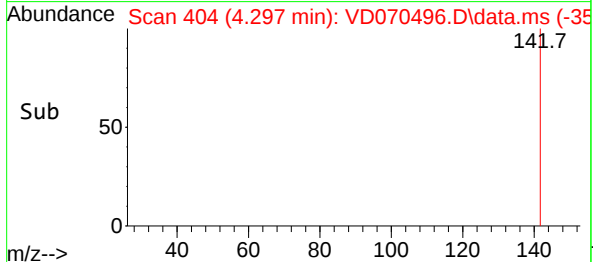
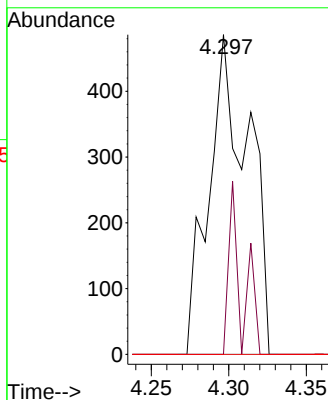
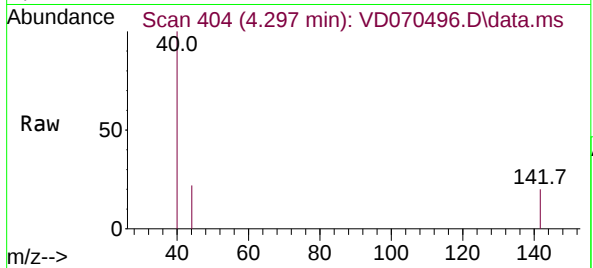




#10
Methyl Iodide
Concen: 1.341 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

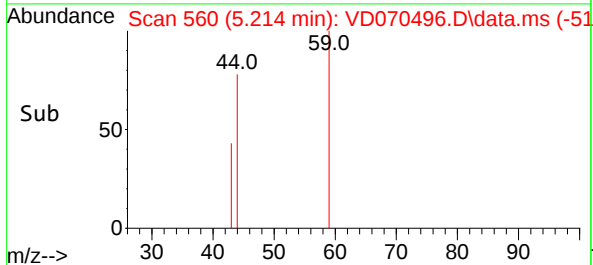
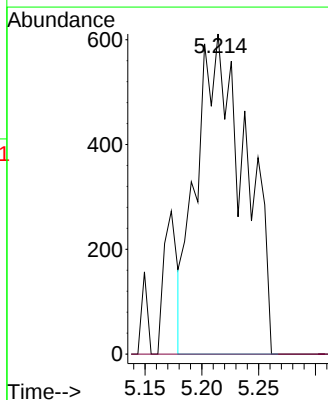
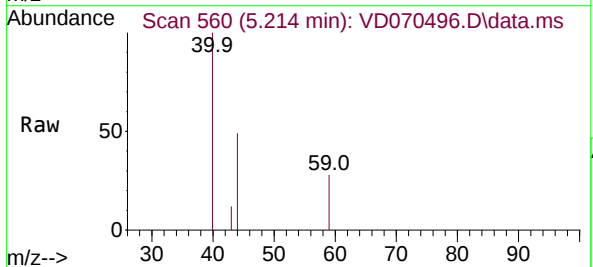
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

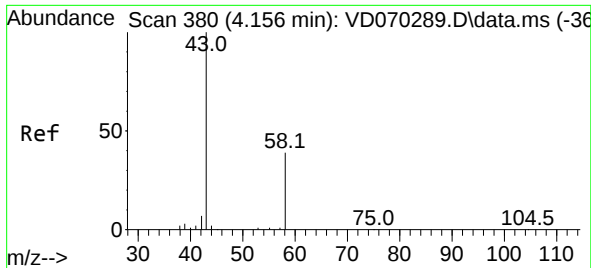
Tgt Ion:142 Resp: 862
Ion Ratio Lower Upper
142 100
127 17.6 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 5.740 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 59 Resp: 1820
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

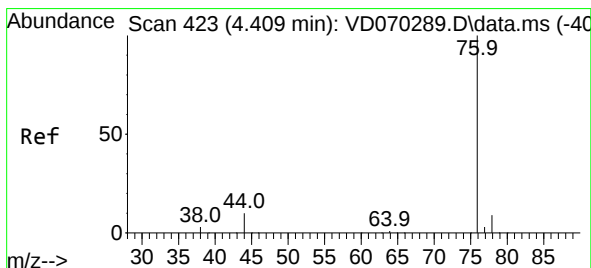
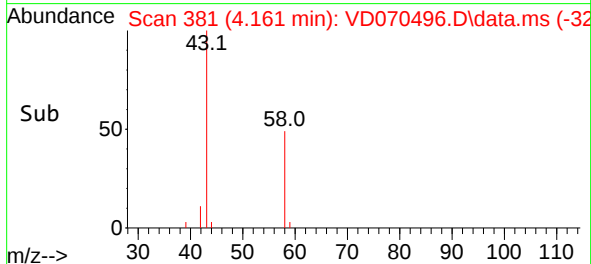
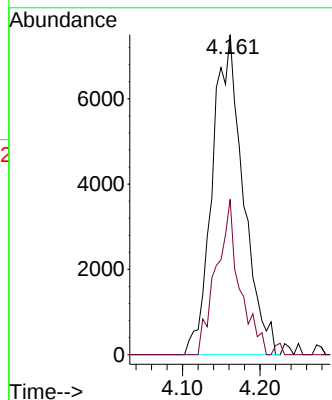
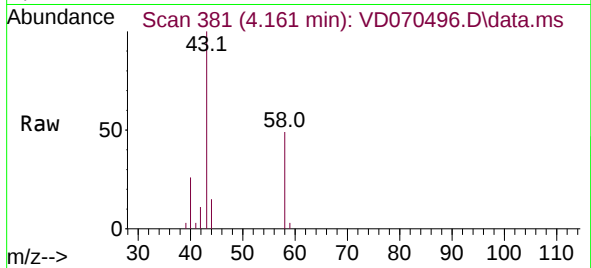




#16
Acetone
Concen: 41.502 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

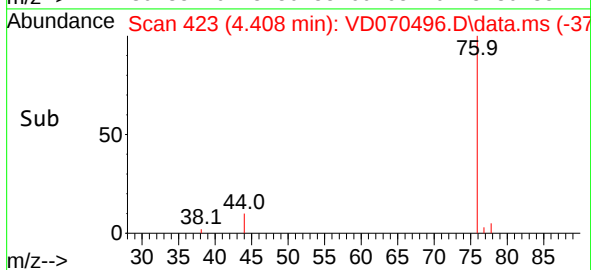
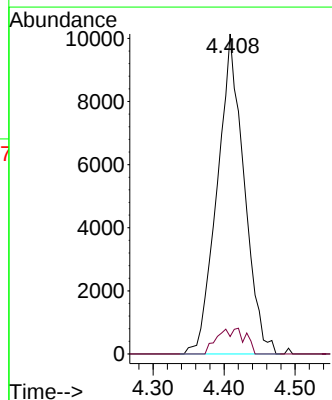
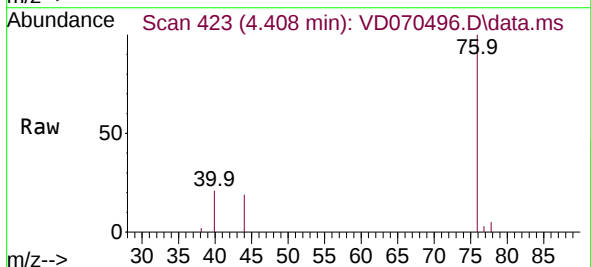
Instrument :
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ClientSampleId :
BOILER-PIT-3-5RE

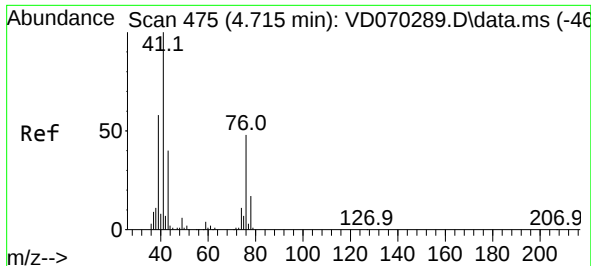
Tgt Ion: 43 Resp: 20777
Ion Ratio Lower Upper
43 100
58 48.5 30.9 46.3#



#17
Carbon Disulfide
Concen: 2.831 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 76 Resp: 26557
Ion Ratio Lower Upper
76 100
78 5.5 7.5 11.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.761 min Scan# 483

Delta R.T. 0.046 min

Lab File: VD070496.D

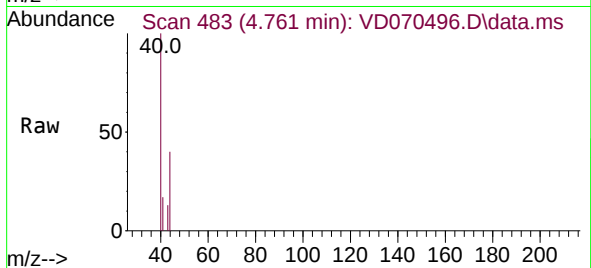
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Instrument :

MSVOA_D

ClientSampleId :

BOILER-PIT-3-5RE

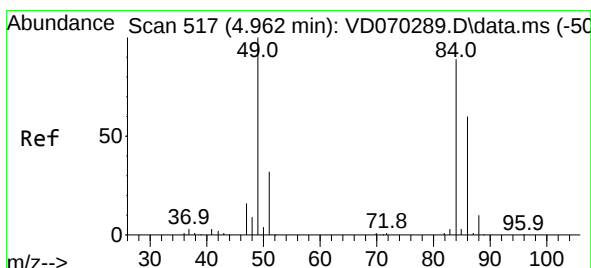
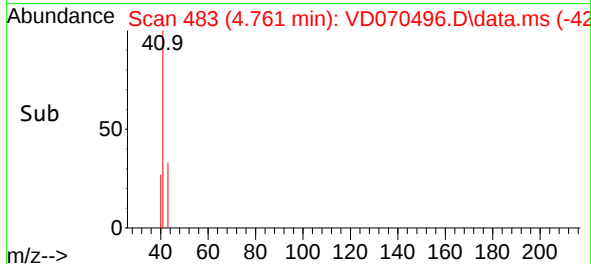
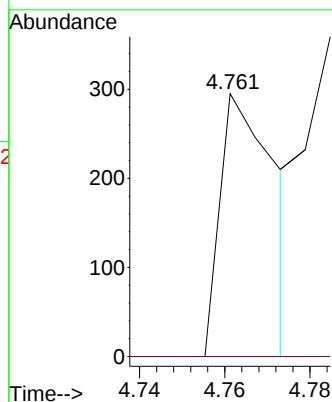


Tgt Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.955 min Scan# 516

Delta R.T. -0.007 min

Lab File: VD070496.D

Acq: 28 Sep 2021 12:13

Tgt Ion: 84 Resp: 9713

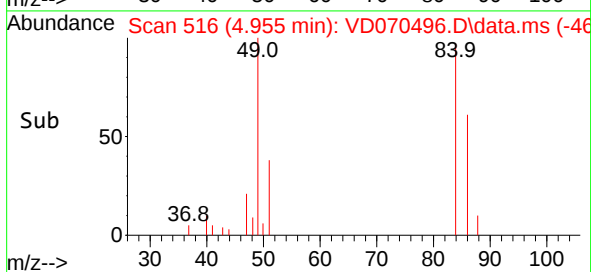
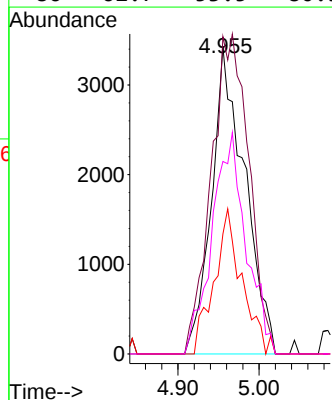
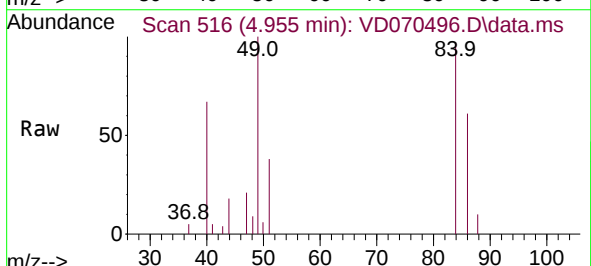
Ion Ratio Lower Upper

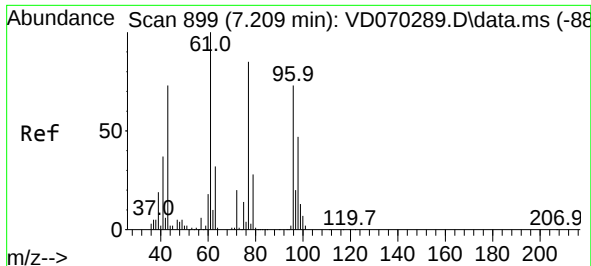
84 100

49 103.3 89.6 134.4

51 39.1 28.6 43.0

86 62.7 53.5 80.3

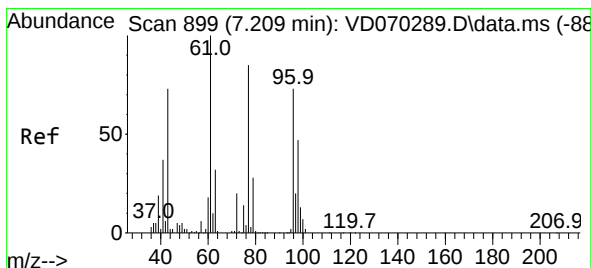
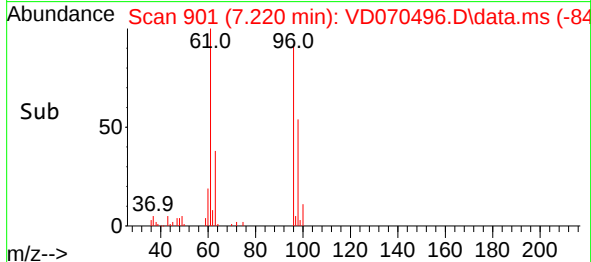
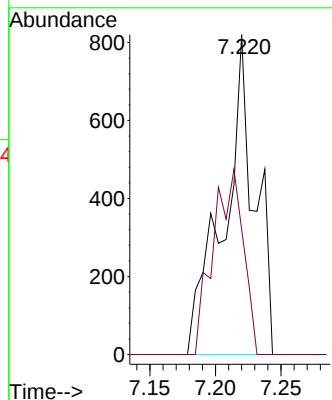
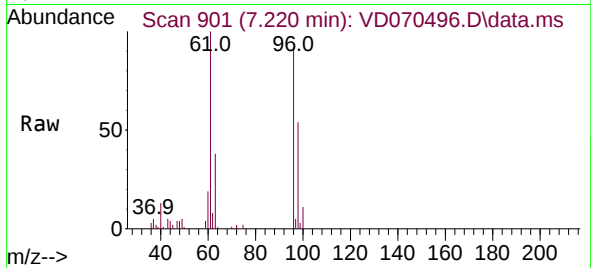




#25
2-Butanone
Concen: 2.005 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

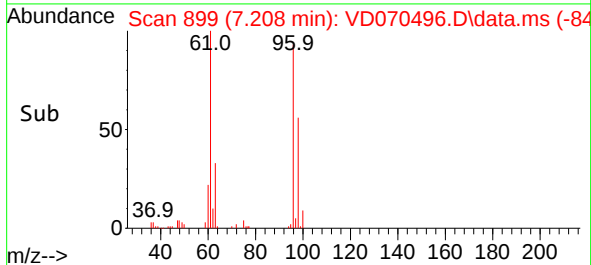
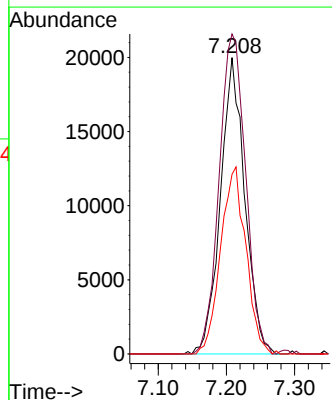
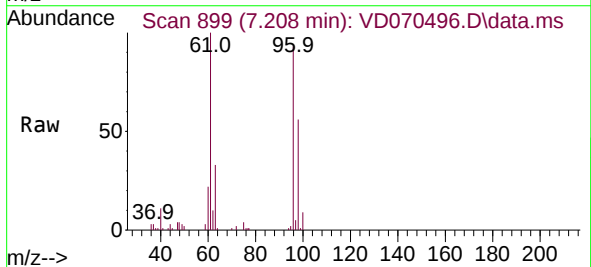
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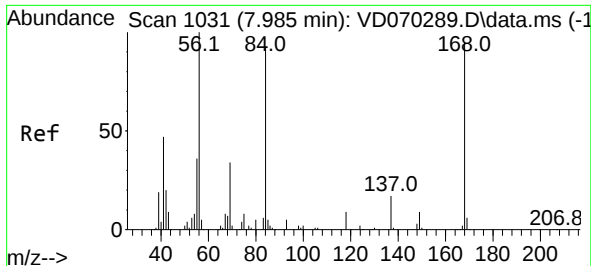
Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
72 39.1 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 15.302 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

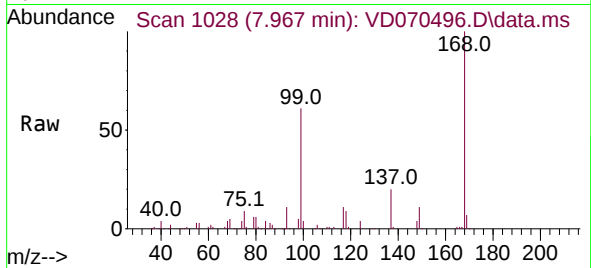
Tgt Ion: 96 Resp: 49749
Ion Ratio Lower Upper
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61 117.1 0.0 277.4
98 65.6 0.0 130.0



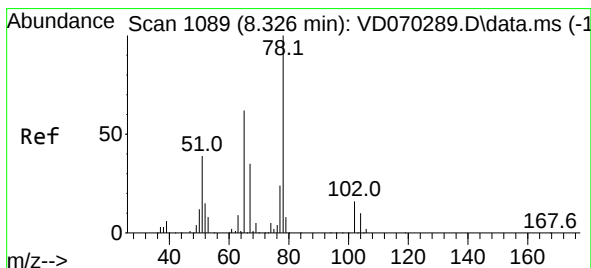
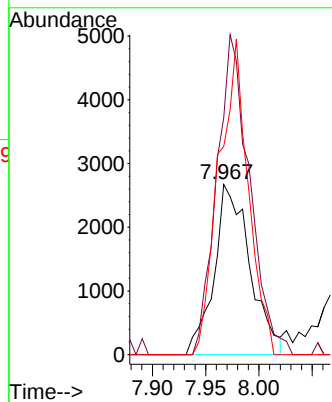
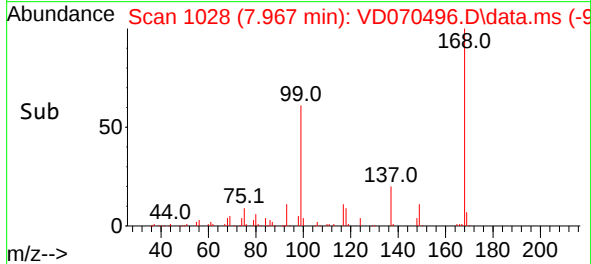


#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

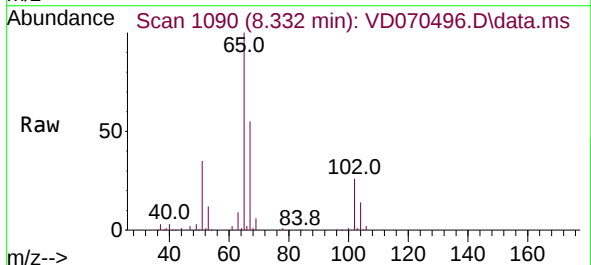
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE



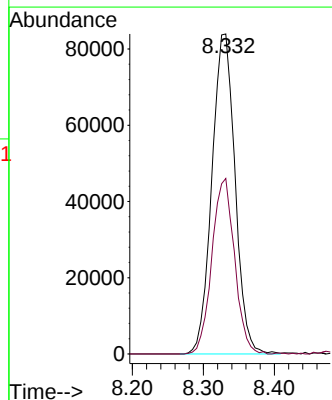
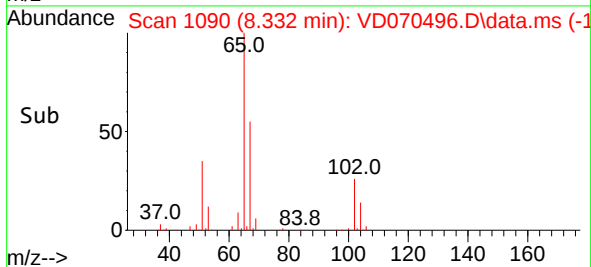
Tgt Ion: 56 Resp: 6252
Ion Ratio Lower Upper
56 100
69 139.0 26.9 40.3#
84 122.2 73.6 110.4#

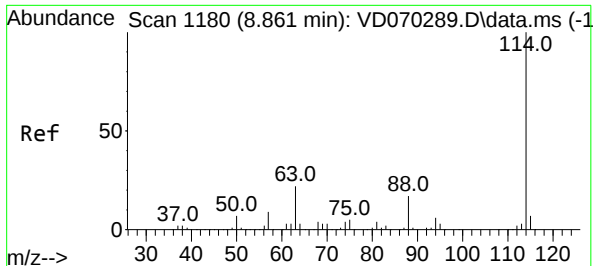


#33
1,2-Dichloroethane-d4
Concen: 67.796 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.005 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13



Tgt Ion: 65 Resp: 190103
Ion Ratio Lower Upper
65 100
67 53.6 0.0 111.4

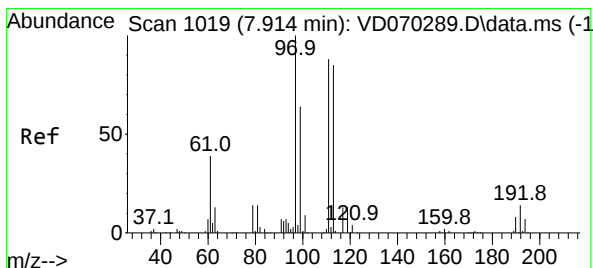
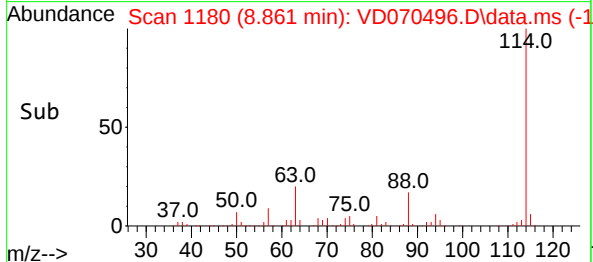
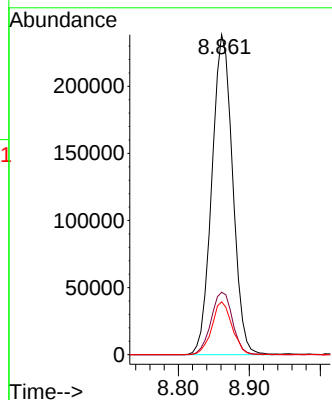
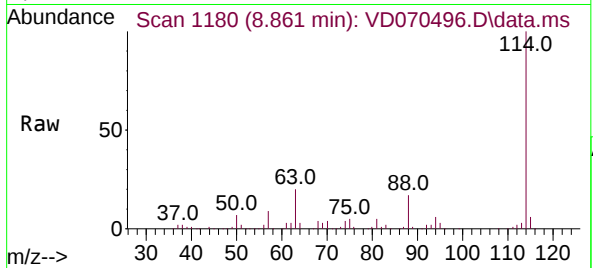




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

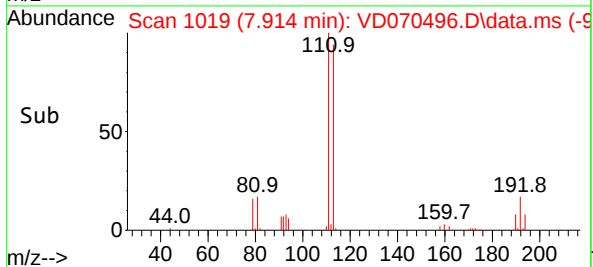
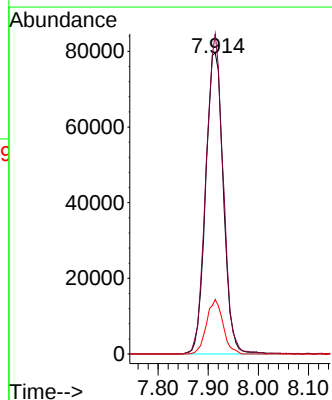
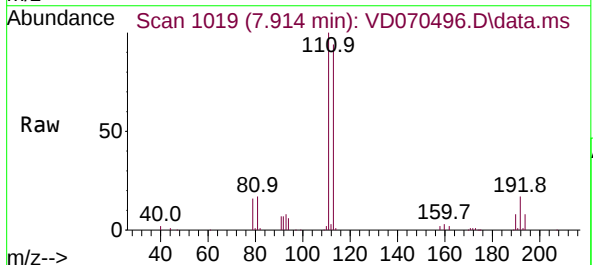
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

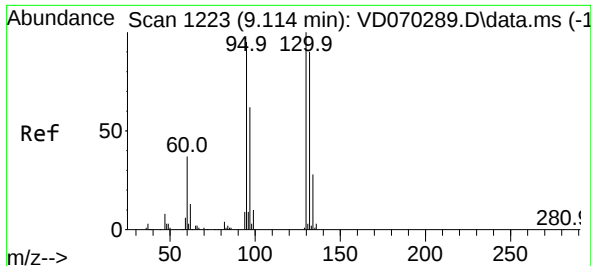
Tgt Ion:114 Resp: 483651
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.4
88 16.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 56.746 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion:113 Resp: 195360
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 16.9 13.0 19.6

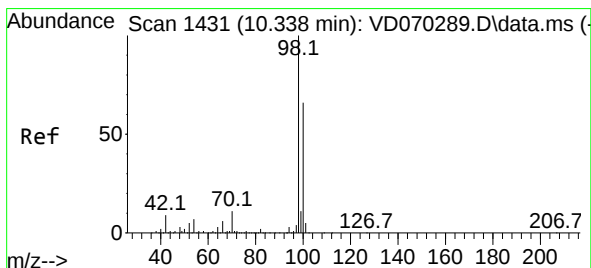
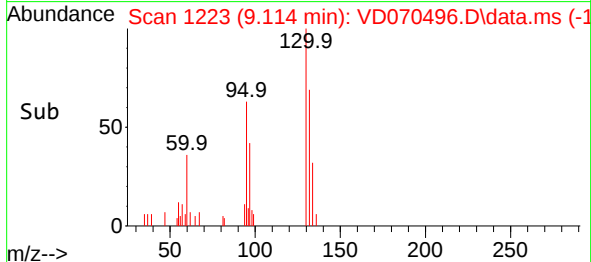
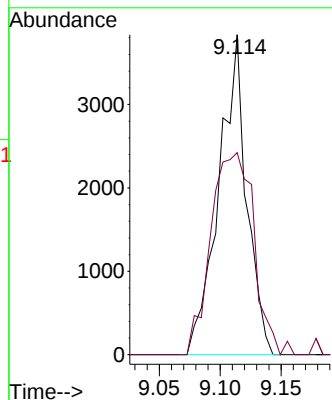
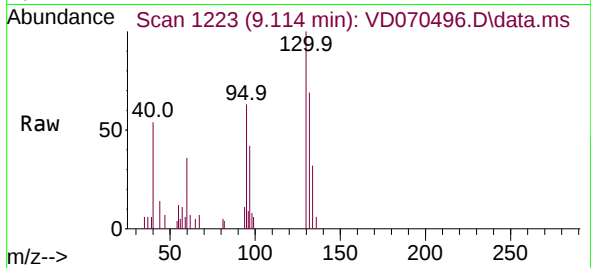




#44
Trichloroethene
Concen: 1.683 ug/l
RT: 9.114 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

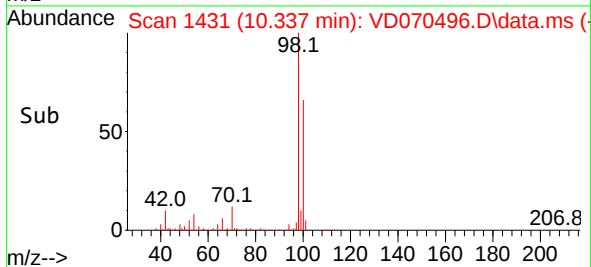
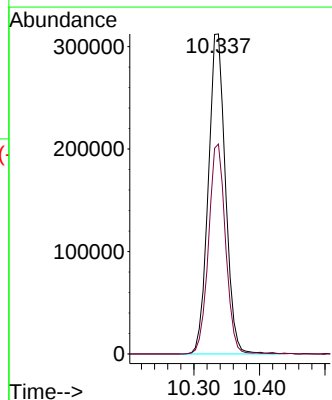
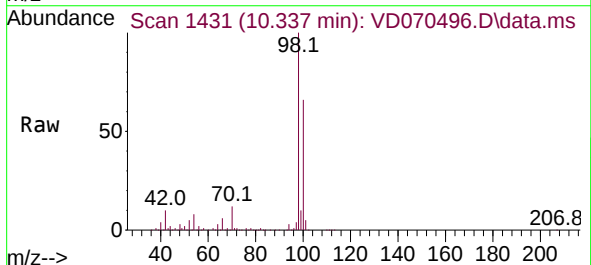
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

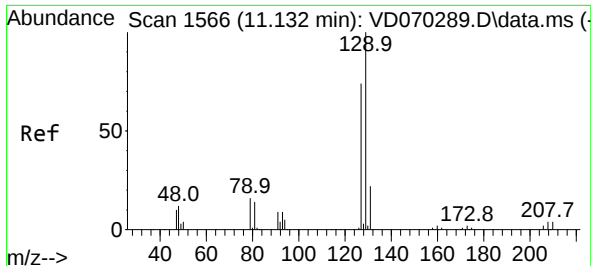
Tgt Ion:130 Resp: 6094
Ion Ratio Lower Upper
130 100
95 63.2 0.0 190.0



#50
Toluene-d8
Concen: 45.412 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 98 Resp: 567631
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

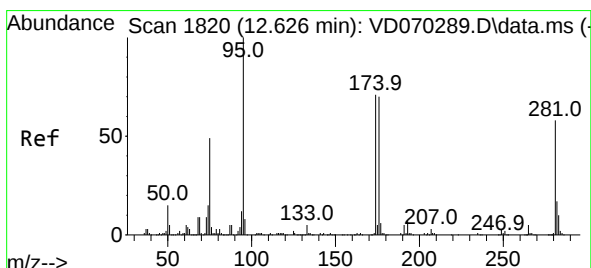
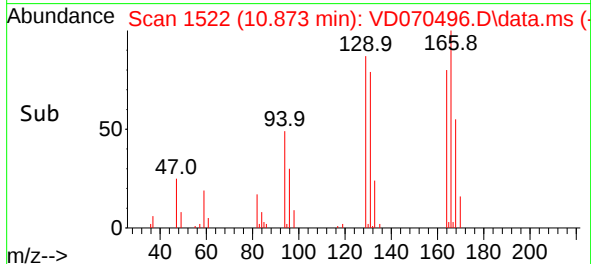
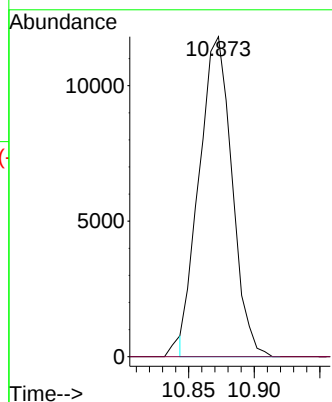
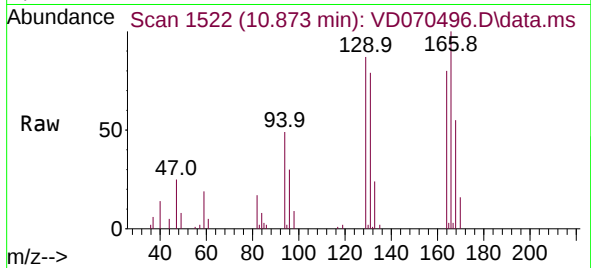




#60
Dibromochloromethane
Concen: 6.273 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

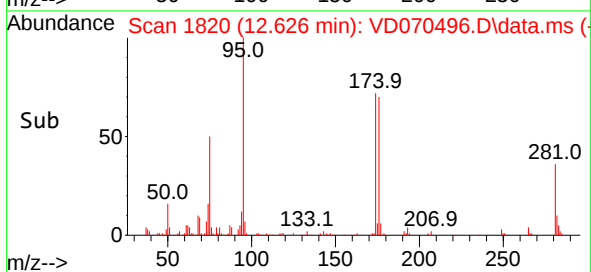
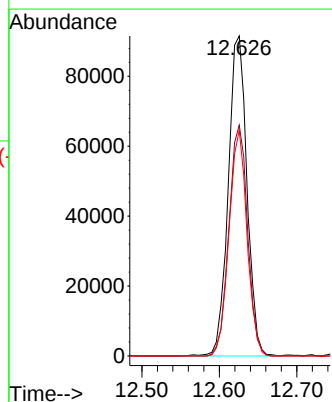
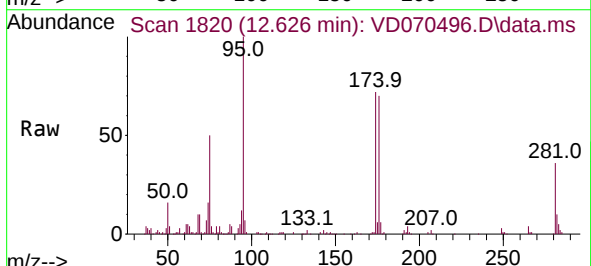
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

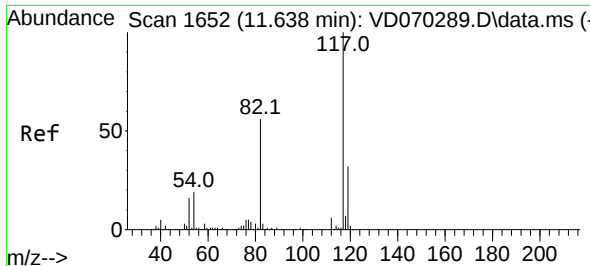
Tgt Ion:129 Resp: 20554
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#



#62
4-Bromofluorobenzene
Concen: 35.177 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion: 95 Resp: 153668
Ion Ratio Lower Upper
95 100
174 72.0 0.0 140.6
176 67.7 0.0 137.4

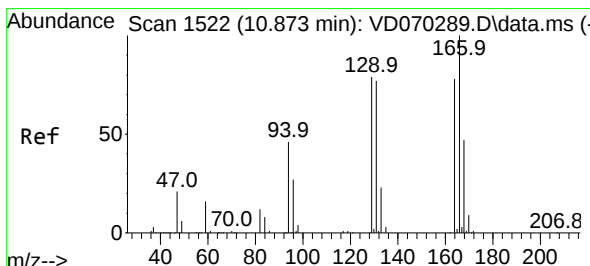
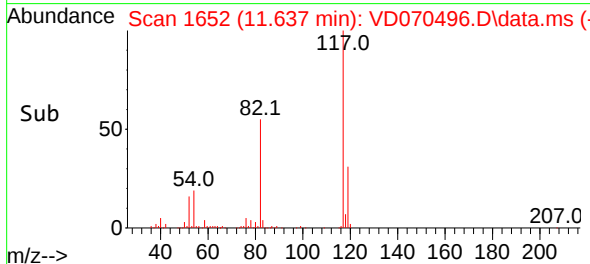
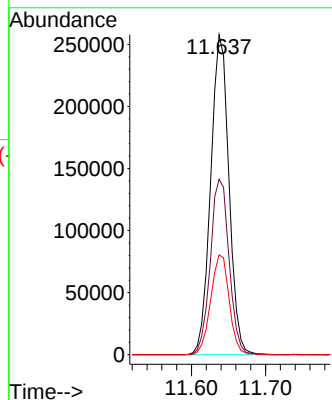
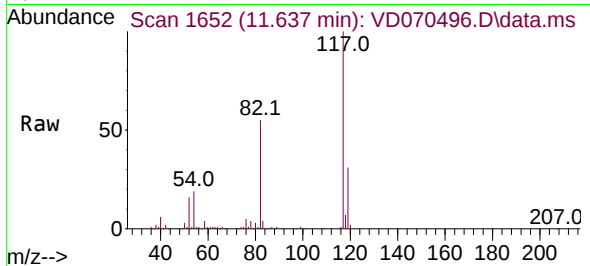




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

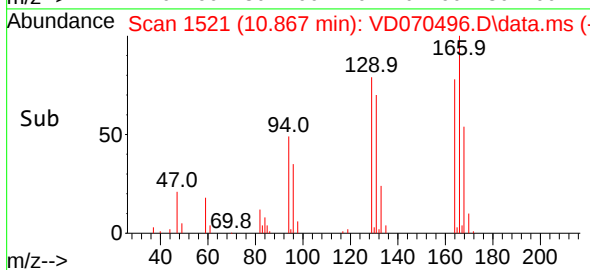
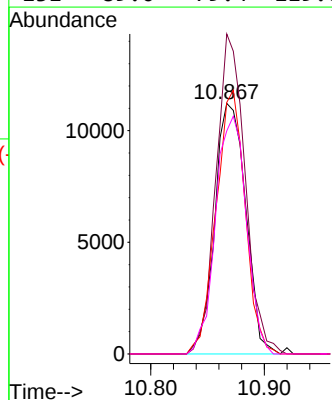
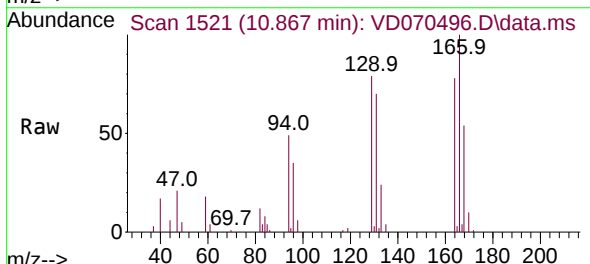
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

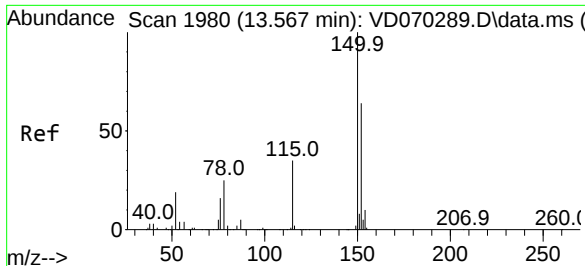
Tgt Ion:	117	Resp:	440828
Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.0	67.4
119	31.2	25.2	37.8



#64
Tetrachloroethene
Concen: 7.927 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

Tgt Ion:	164	Resp:	21277
Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.4	153.6
129	100.4	80.9	121.3
131	89.0	79.4	119.0

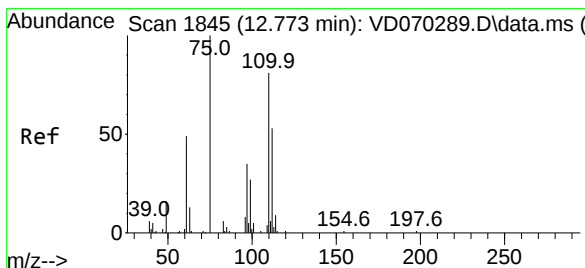
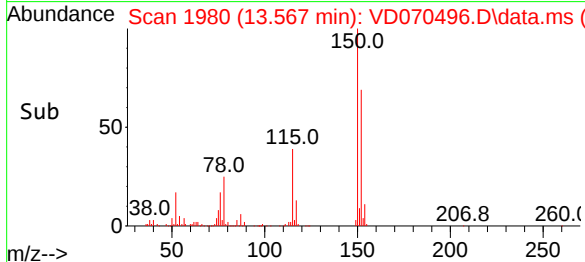
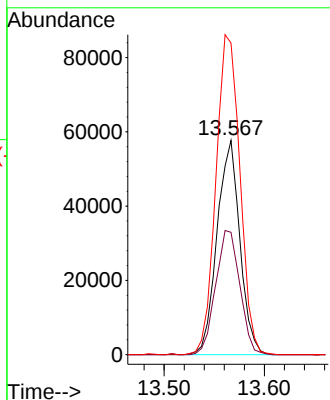
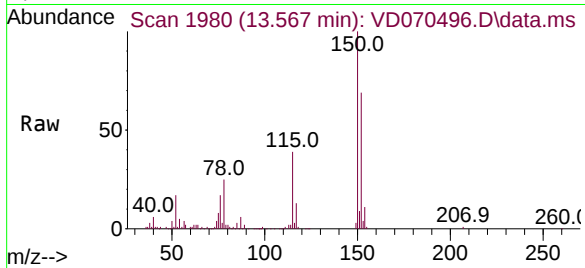




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

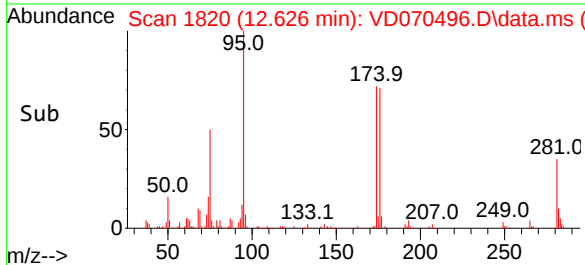
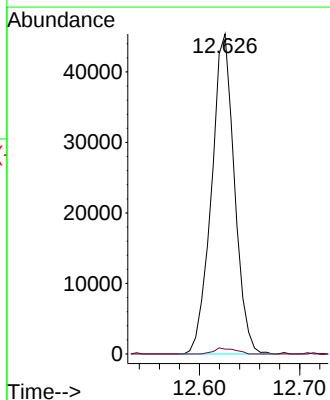
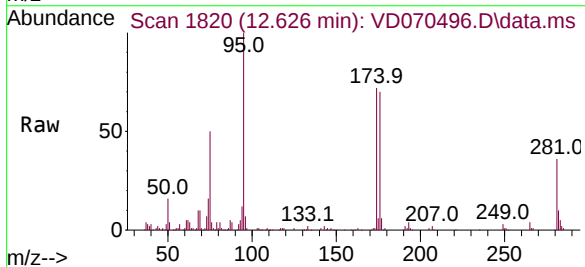
Instrument :
MSVOA_D
ClientSampleId :
BOILER-PIT-3-5RE

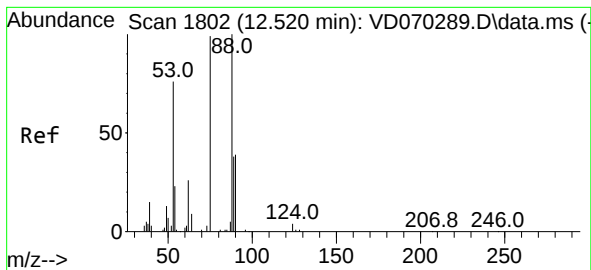
Tgt Ion:152 Resp: 91137
Ion Ratio Lower Upper
152 100
115 61.3 32.1 96.3
150 157.1 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 78.198 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070496.D
Acq: 28 Sep 2021 12:13

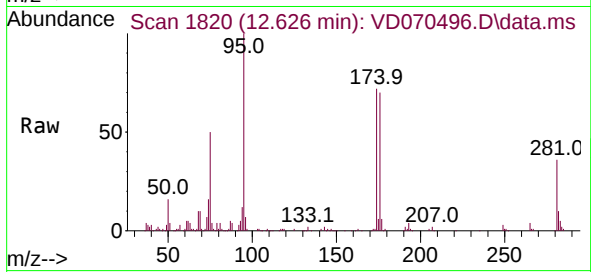
Tgt Ion: 75 Resp: 72088
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 195.933 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.105 min
 Lab File: VD070496.D
 Acq: 28 Sep 2021 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 BOILER-PIT-3-5RE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.2	96.2#
89	0.3	35.6	53.4#

