

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070495.D
 Acq On : 28 Sep 2021 11:45
 Operator : VA/SY
 Sample : M3943-04
 Misc : 6.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-TV-1

Quant Time: Sep 28 23:40:56 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)

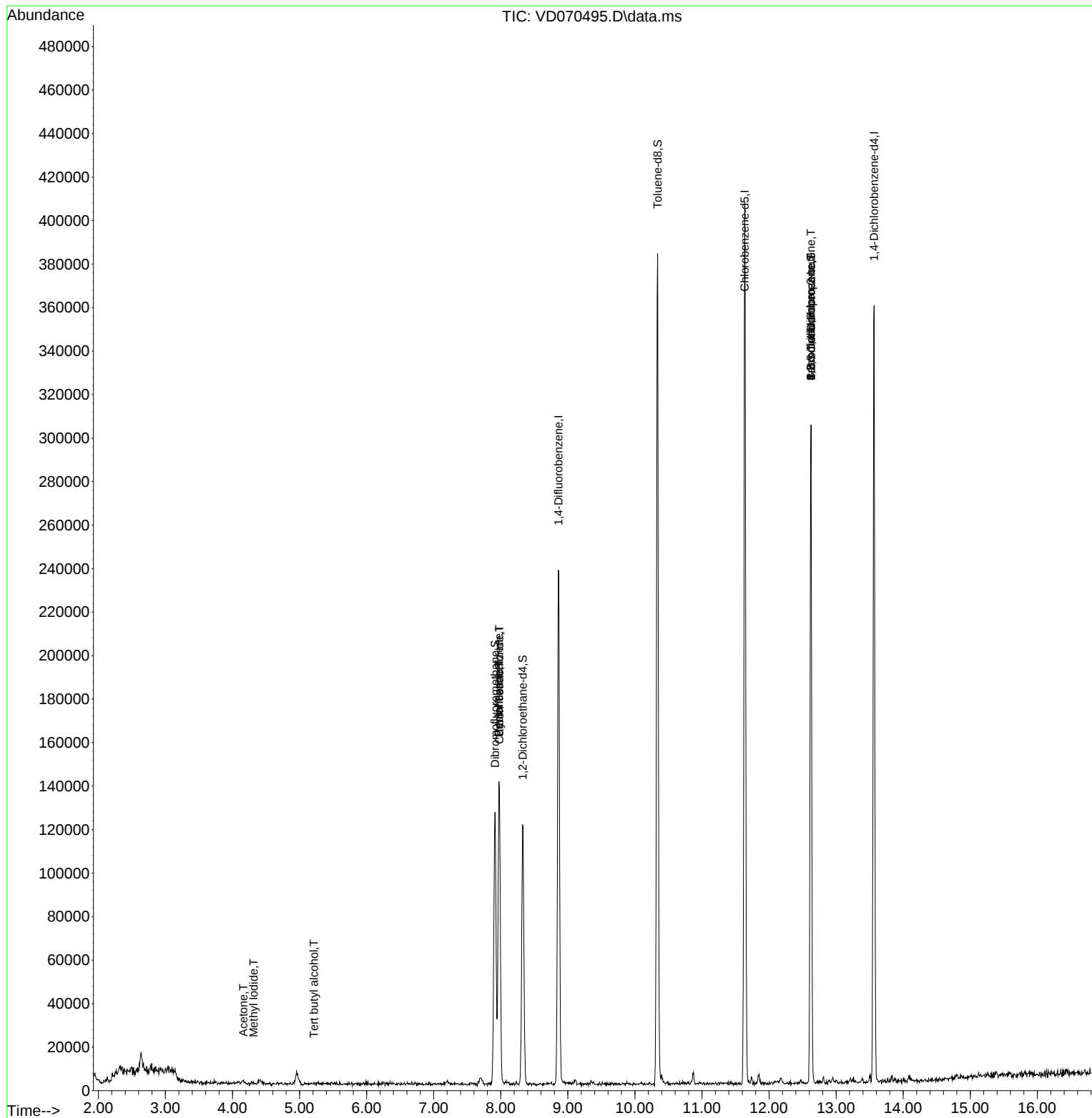
Internal Standards						
1) Pentafluorobenzene	7.973	168	100622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	206013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	250258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	97300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	94423	73.082	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.160%			
35) Dibromofluoromethane	7.914	113	91710	62.540	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.080%			
50) Toluene-d8	10.338	98	274509	51.558	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.120%			
62) 4-Bromofluorobenzene	12.626	95	105445	56.668	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	456	Below Cal	#	61
3) Chloromethane	2.209	50	1066	Below Cal		99
5) Bromomethane	2.779	94	1819	Below Cal		84
6) Chloroethane	2.914	64	480	Below Cal	#	43
10) Methyl Iodide	4.314	142	934	1.764	ug/l #	63
11) Tert butyl alcohol	5.214	59	365	2.499	ug/l #	100
16) Acetone	4.161	43	2075	8.996	ug/l	91
18) Methyl Acetate	4.950	43	66	Below Cal	#	48
20) Methylene Chloride	4.955	84	4467	Below Cal	#	90
31) Cyclohexane	7.973	56	3500	1.573	ug/l #	56
38) Carbon Tetrachloride	7.979	117	11370	5.221	ug/l #	18
71) Bromoform	12.626	173	1035	1.103	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	49873	50.674	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	49873	126.967	ug/l #	17

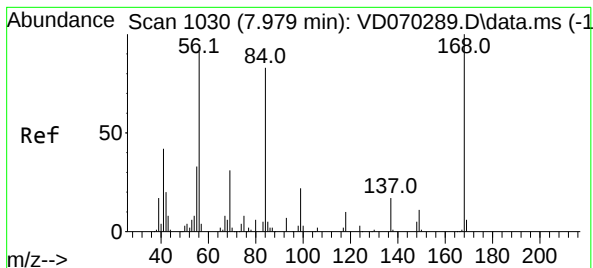
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070495.D

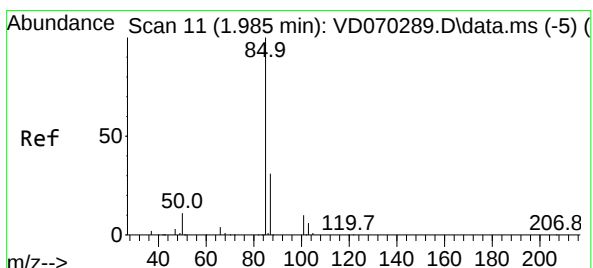
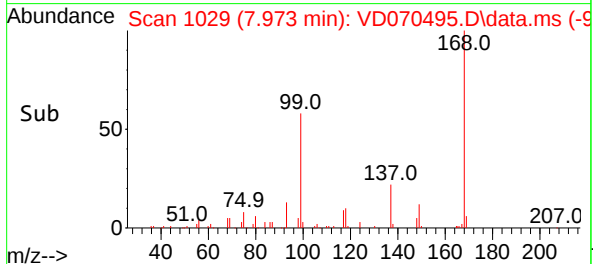
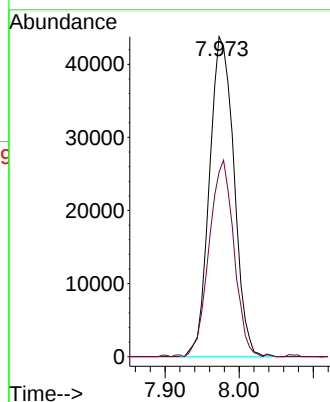
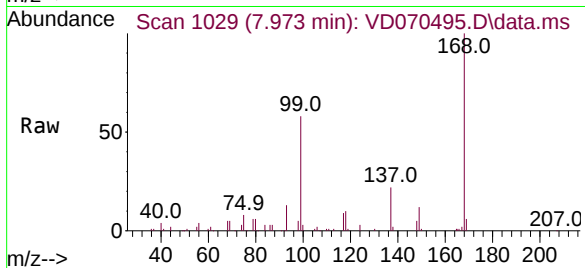
Acq: 28 Sep 2021 11:45

Tgt Ion:168 Resp: 100622

Ion Ratio Lower Upper

168 100

99 57.7 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070495.D

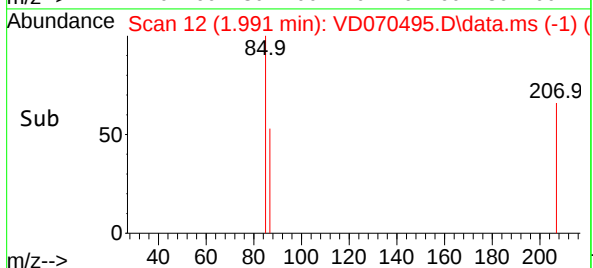
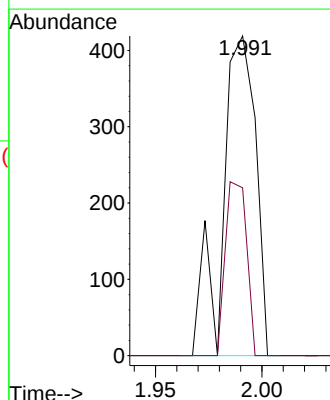
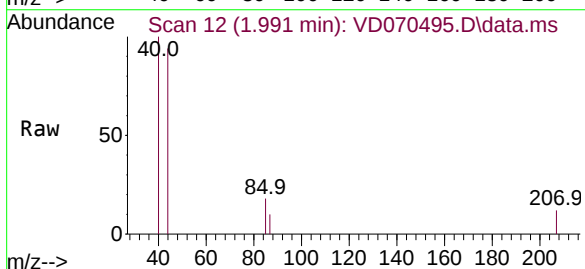
Acq: 28 Sep 2021 11:45

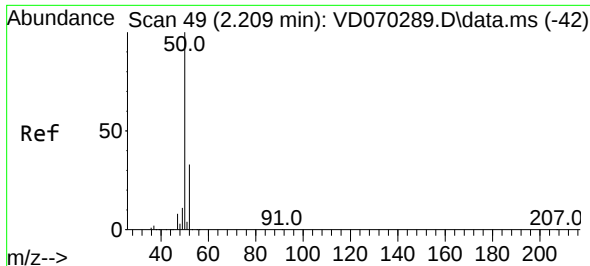
Tgt Ion: 85 Resp: 456

Ion Ratio Lower Upper

85 100

87 52.5 15.6 46.8#

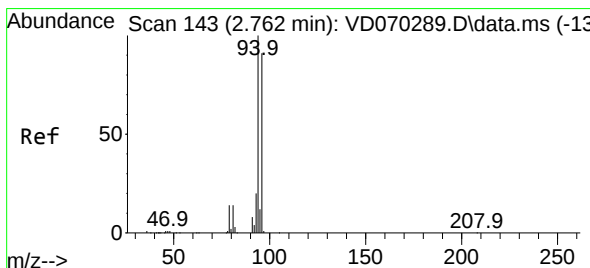
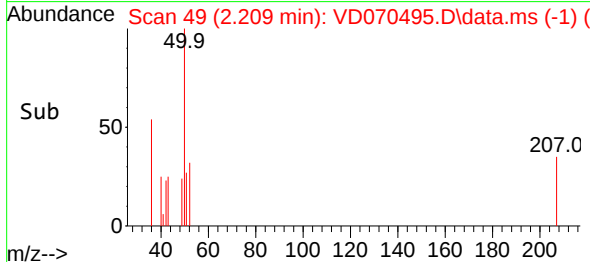
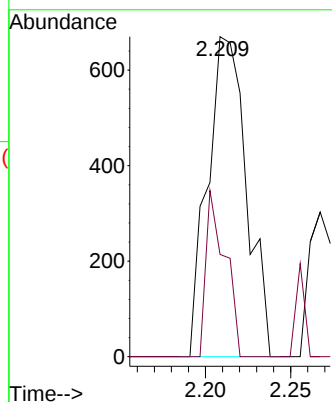
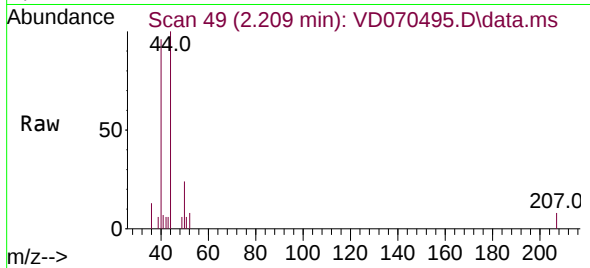




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

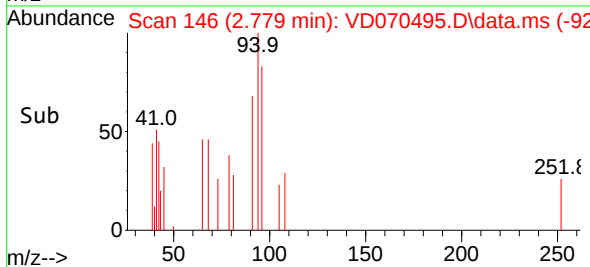
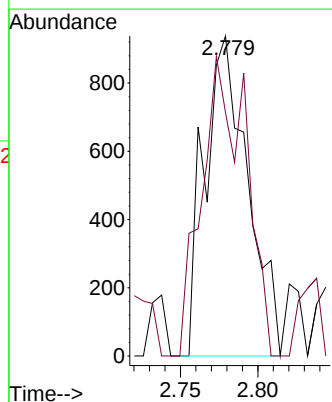
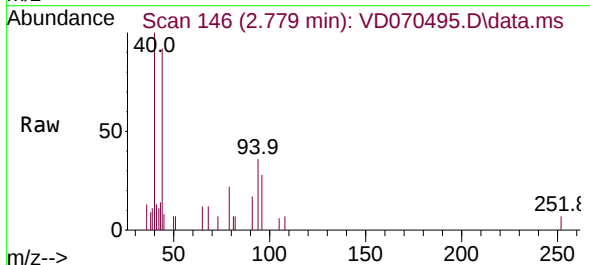
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

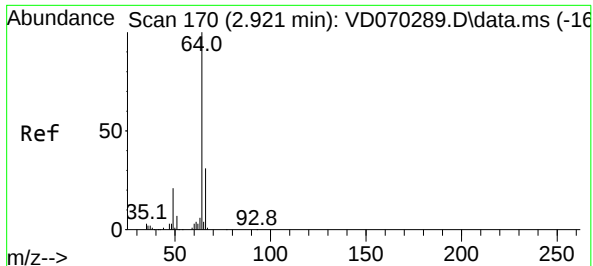
Tgt Ion: 50 Resp: 1066
Ion Ratio Lower Upper
50 100
52 31.9 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 94 Resp: 1819
Ion Ratio Lower Upper
94 100
96 76.1 73.0 109.6

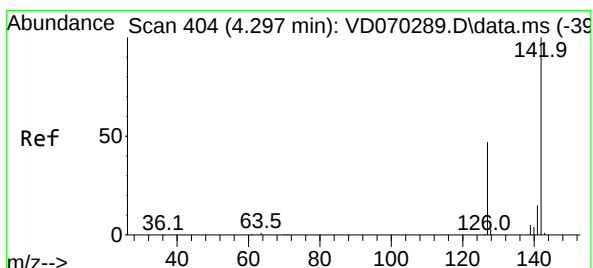
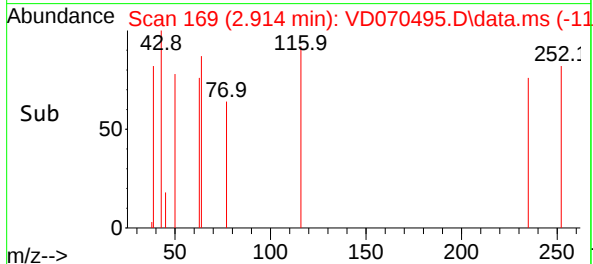
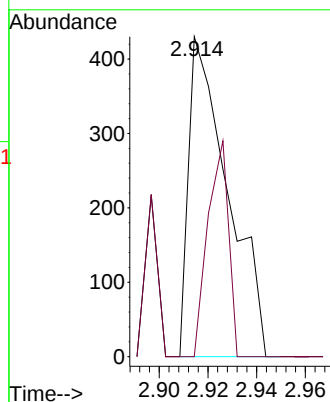
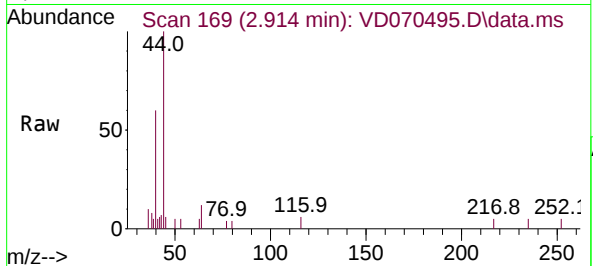




#6
Chloroethane
Concen: Below Cal
RT: 2.914 min Scan# 169
Delta R.T. -0.007 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

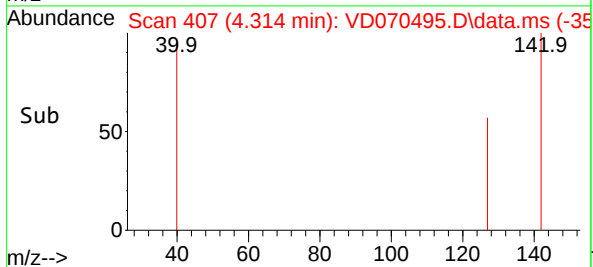
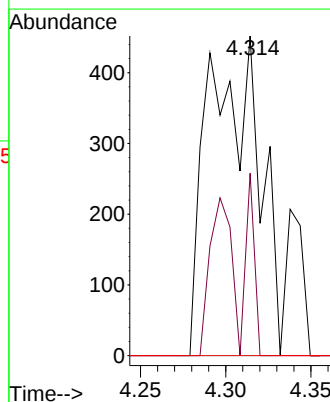
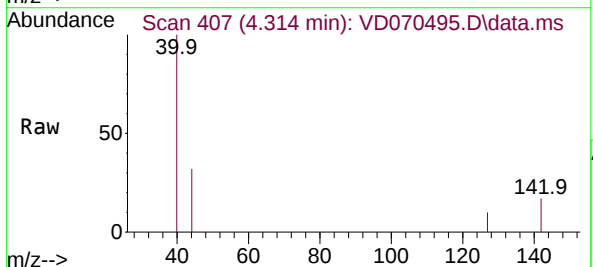
Instrument :
MSVOA_D
ClientSampleID :
WC-TV-1

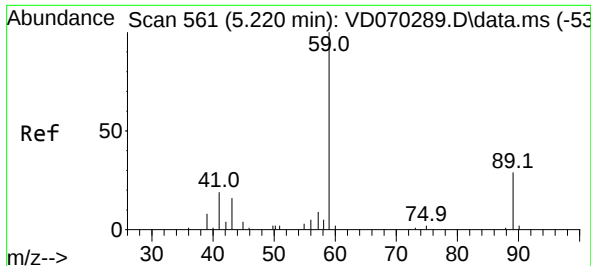
Tgt Ion: 64 Resp: 480
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.764 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 142 Resp: 934
Ion Ratio Lower Upper
142 100
127 21.2 36.9 55.3#
141 0.0 11.8 17.6#

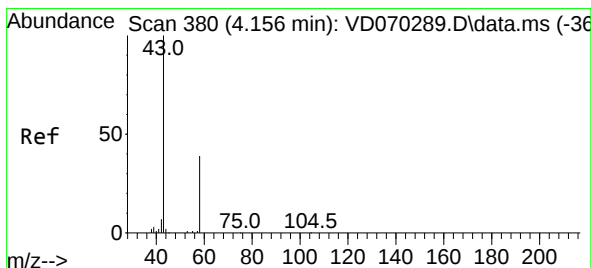
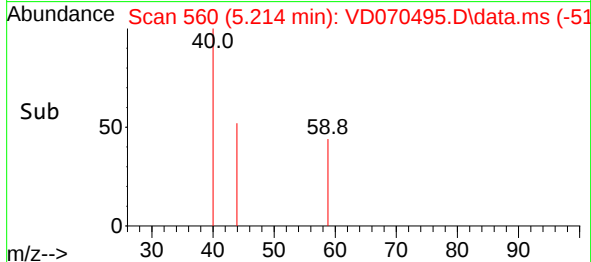
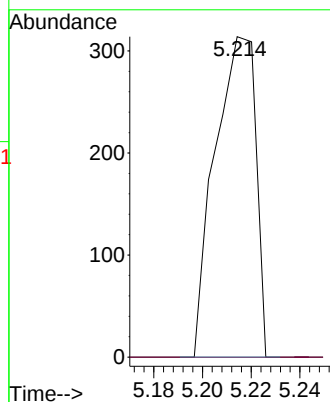
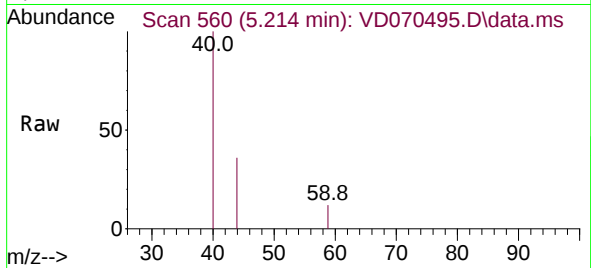




#11
Tert butyl alcohol
Concen: 2.499 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

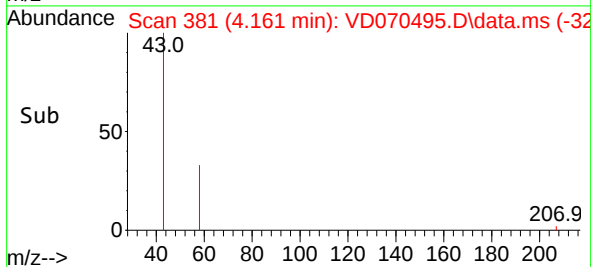
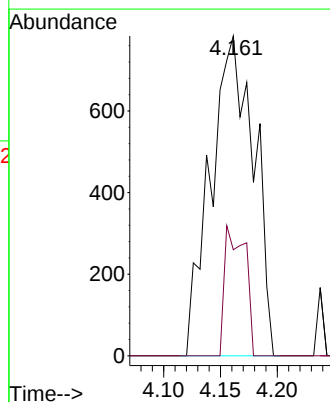
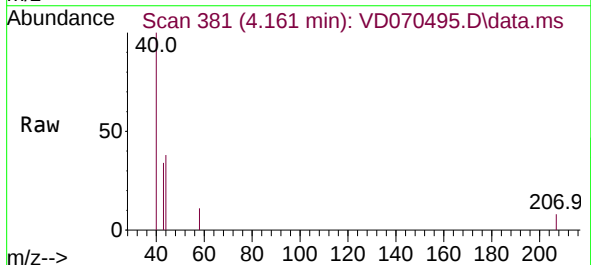
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

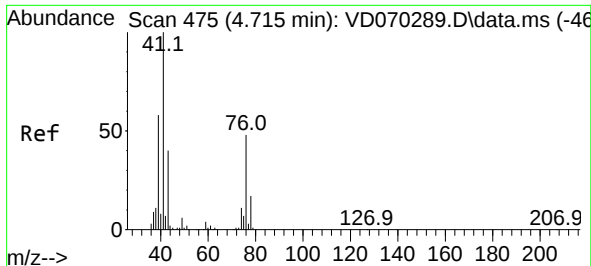
Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 8.996 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 43 Resp: 2075
Ion Ratio Lower Upper
43 100
58 33.2 30.9 46.3

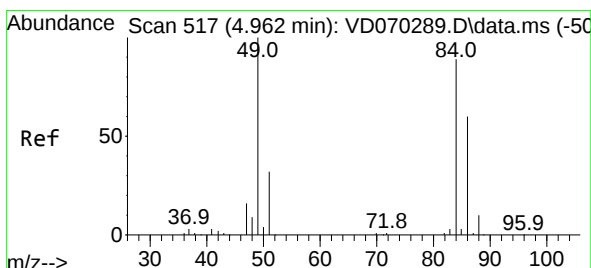
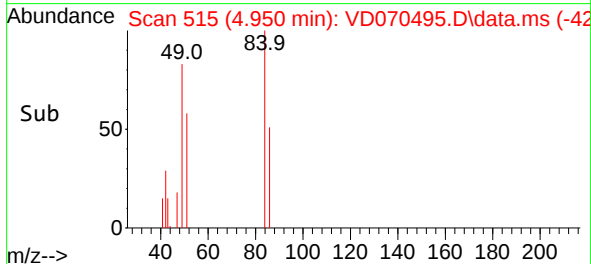
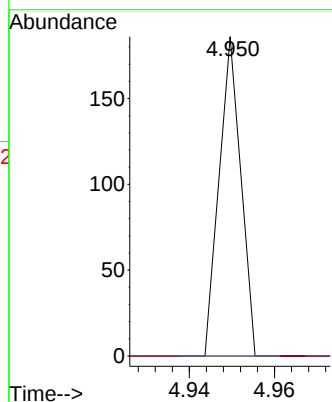
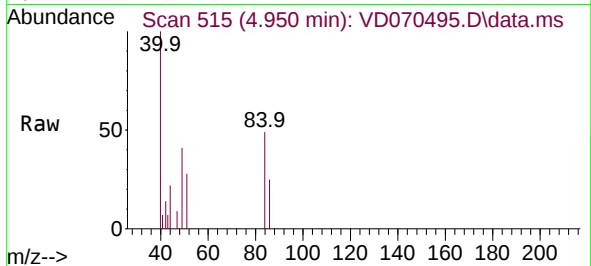




#18
Methyl Acetate
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. 0.235 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

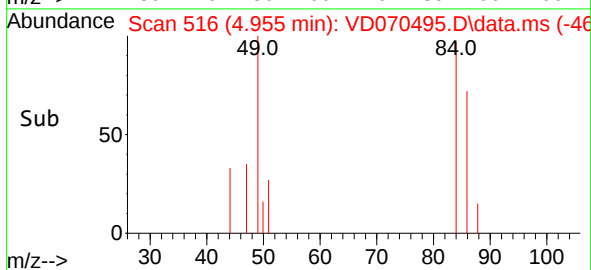
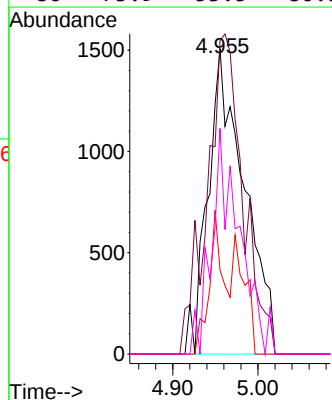
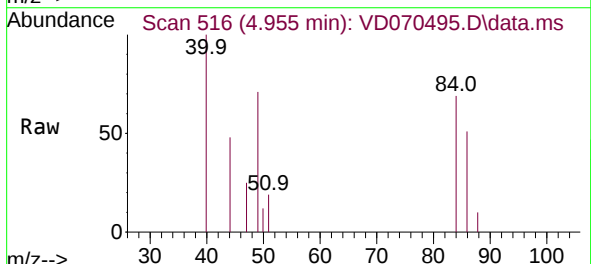
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

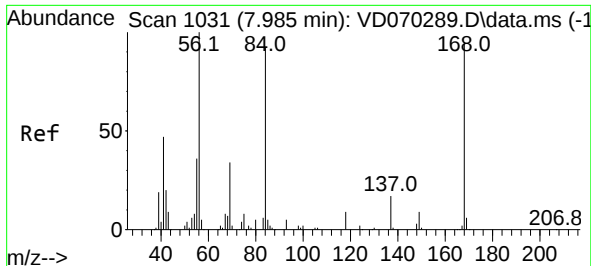
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 84 Resp: 4467
Ion Ratio Lower Upper
84 100
49 102.7 89.6 134.4
51 27.5 28.6 43.0#
86 73.9 53.5 80.3





#31

Cyclohexane

Concen: 1.573 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070495.D

Acq: 28 Sep 2021 11:45

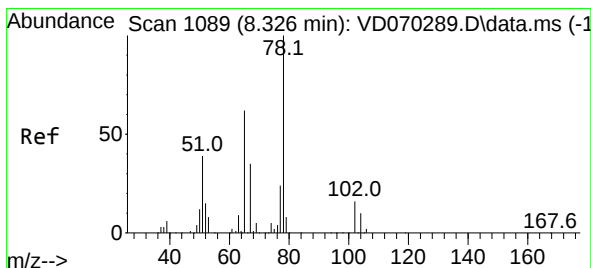
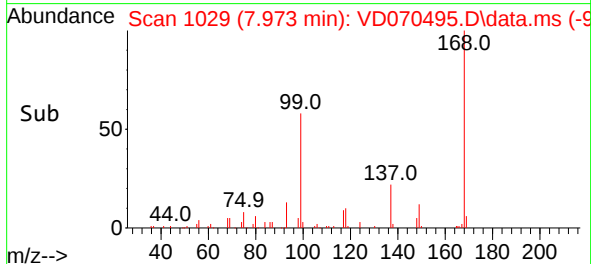
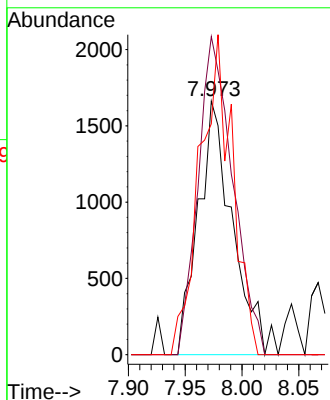
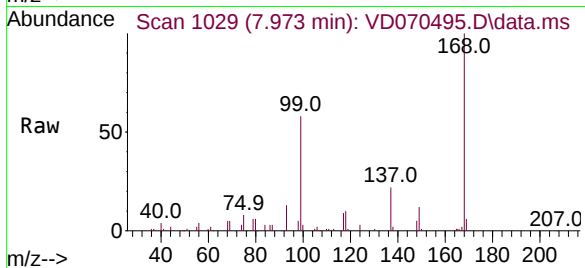
Instrument :

MSVOA_D

ClientSampleId :

WC-TV-1

Tgt Ion:	56	Resp:	3500
Ion	Ratio	Lower	Upper
56	100		
69	125.4	26.9	40.3#
84	91.0	73.6	110.4



#33

1,2-Dichloroethane-d4

Concen: 73.082 ug/l

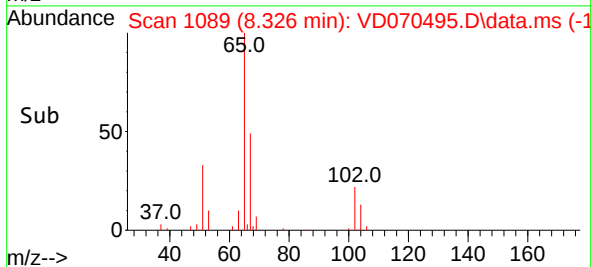
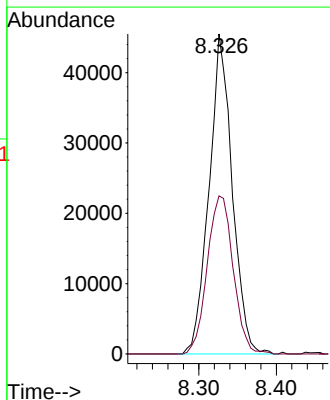
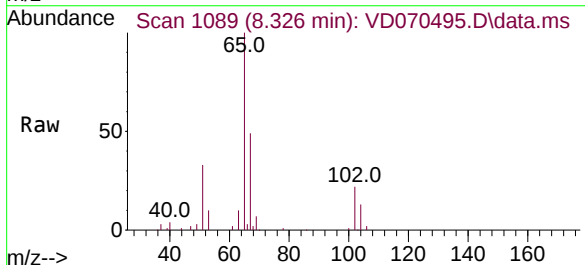
RT: 8.326 min Scan# 1089

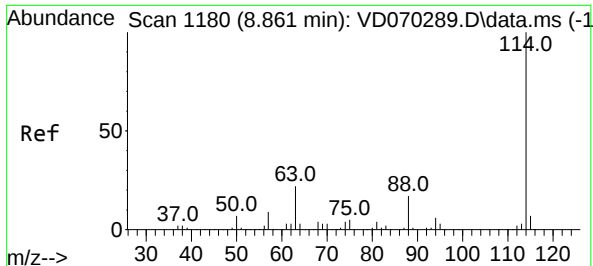
Delta R.T. -0.000 min

Lab File: VD070495.D

Acq: 28 Sep 2021 11:45

Tgt Ion:	65	Resp:	94423
Ion	Ratio	Lower	Upper
65	100		
67	55.3	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: VD070495.D

Acq: 28 Sep 2021 11:45

Tgt Ion:114 Resp: 206013

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

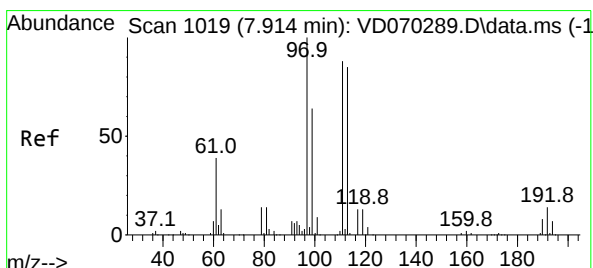
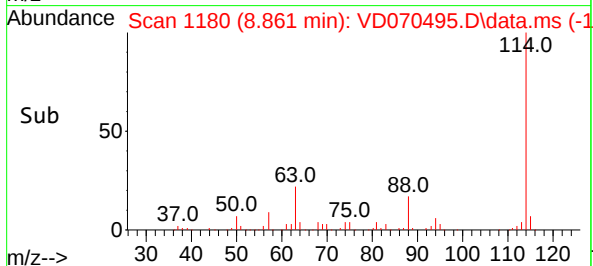
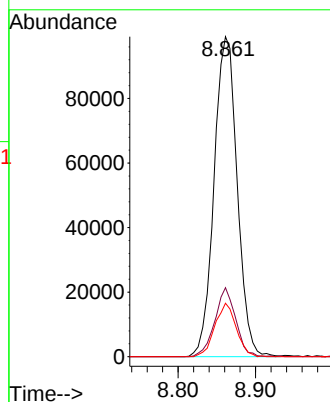
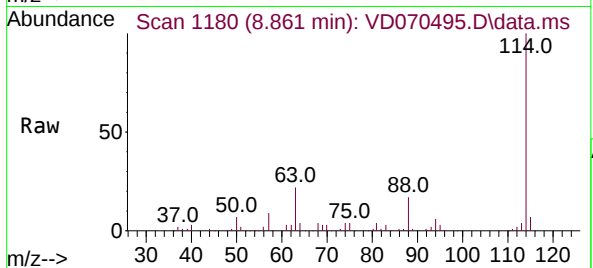
88 16.7 0.0 33.4

Instrument :

MSVOA_D

ClientSampleId :

WC-TV-1



#35

Dibromofluoromethane

Concen: 62.540 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070495.D

Acq: 28 Sep 2021 11:45

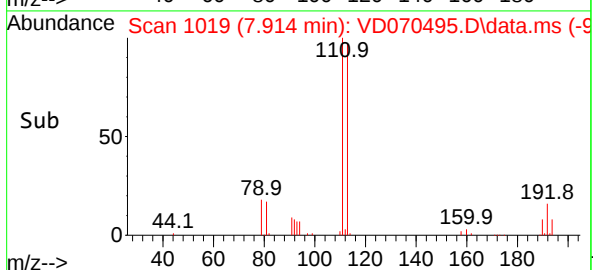
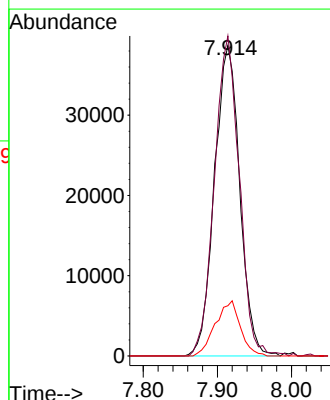
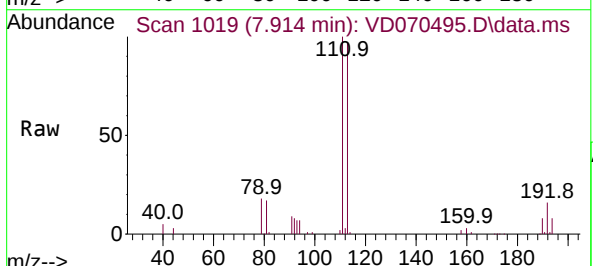
Tgt Ion:113 Resp: 91710

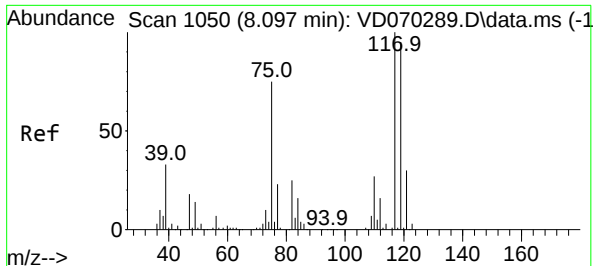
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

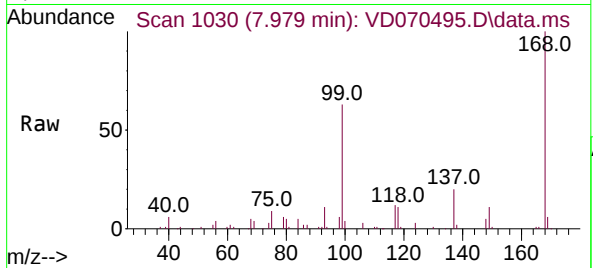
192 17.6 13.0 19.6



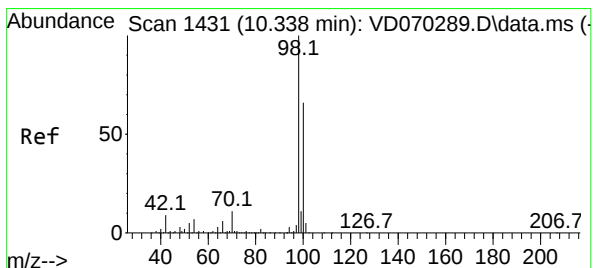
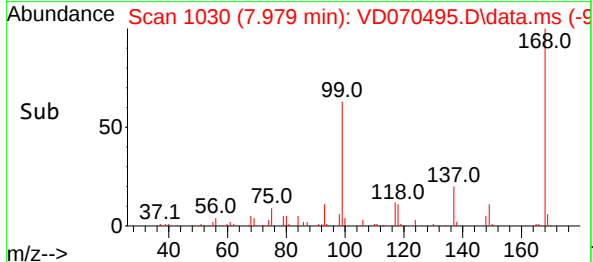
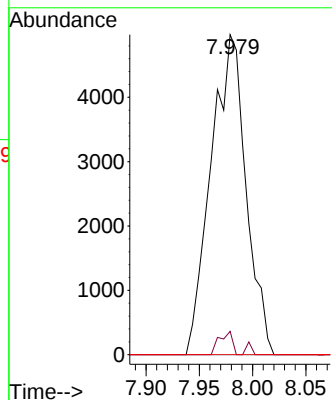


#38
Carbon Tetrachloride
Concen: 5.221 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

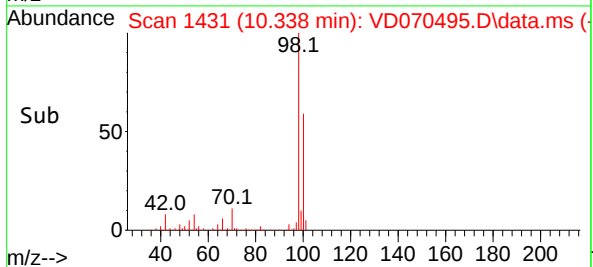
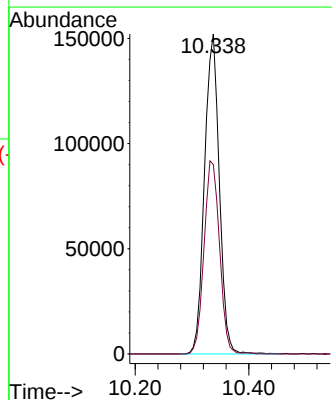
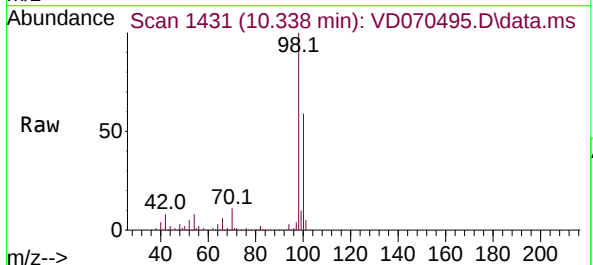


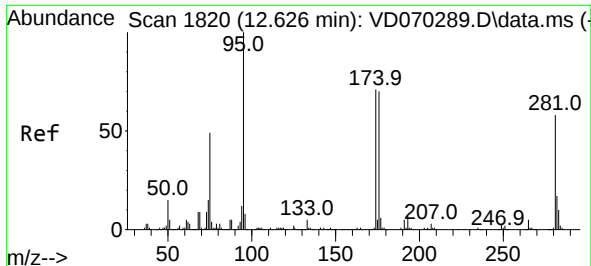
Tgt Ion:117 Resp: 11370
Ion Ratio Lower Upper
117 100
119 7.3 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.558 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 98 Resp: 274509
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

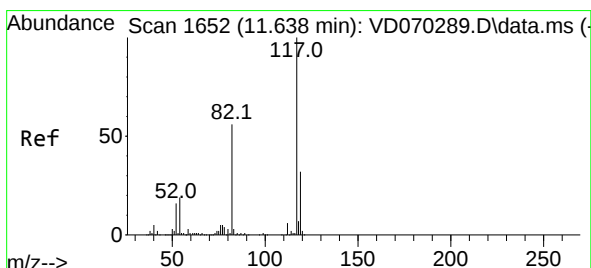
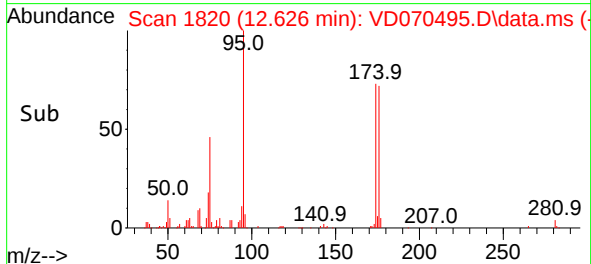
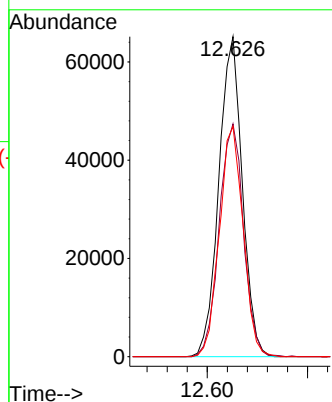
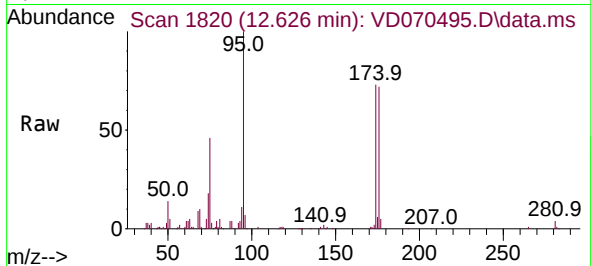




#62
4-Bromofluorobenzene
Concen: 56.668 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

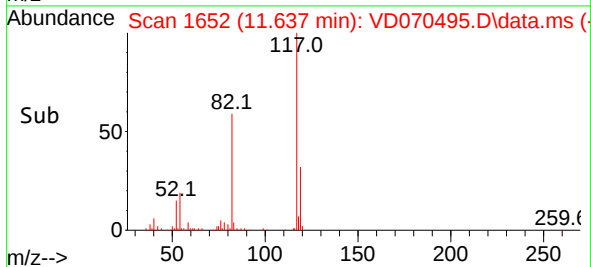
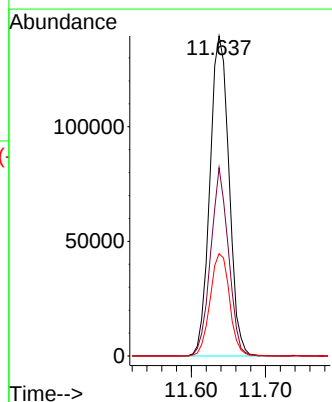
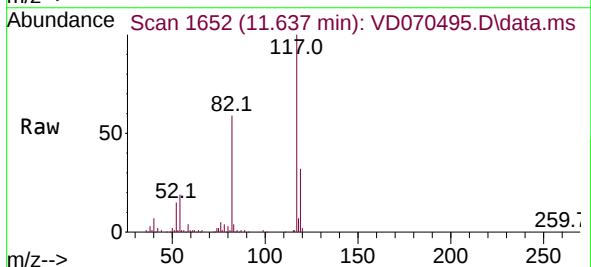
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

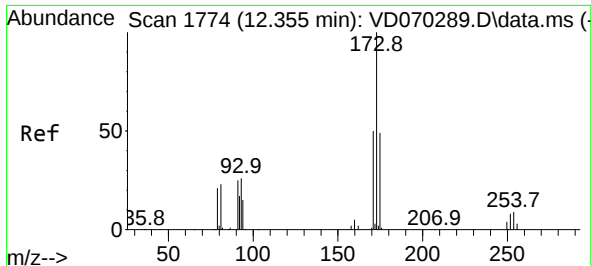
Tgt Ion: 95 Resp: 105445
Ion Ratio Lower Upper
95 100
174 75.5 0.0 140.6
176 72.9 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 117 Resp: 250258
Ion Ratio Lower Upper
117 100
82 58.8 45.0 67.4
119 32.0 25.2 37.8

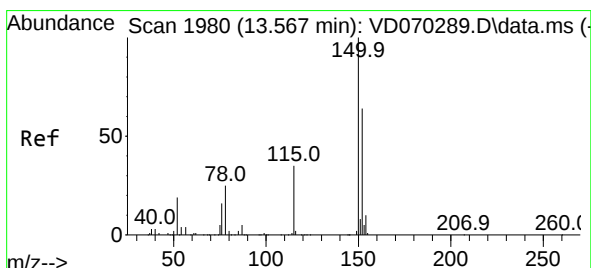
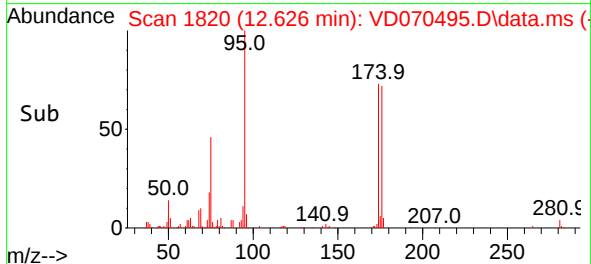
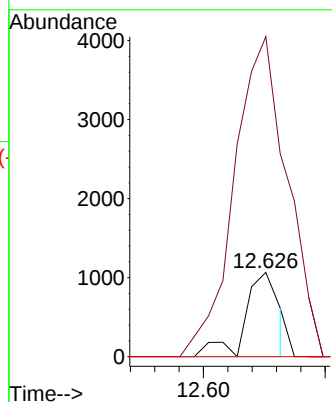
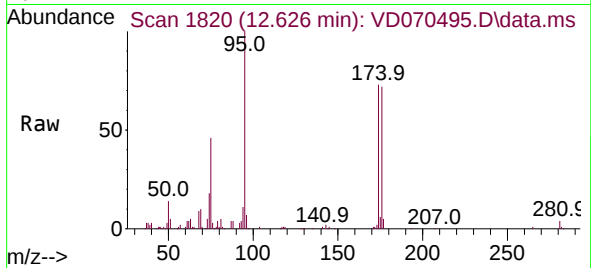




#71
Bromoform
Concen: 1.103 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

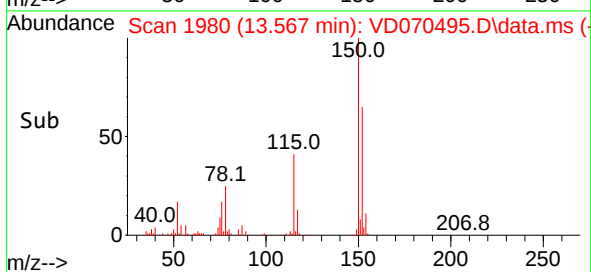
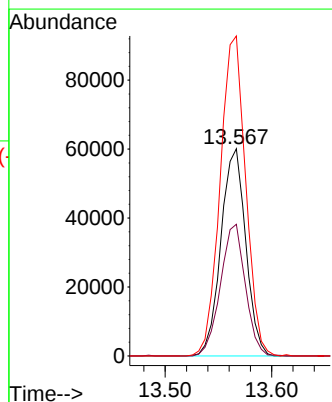
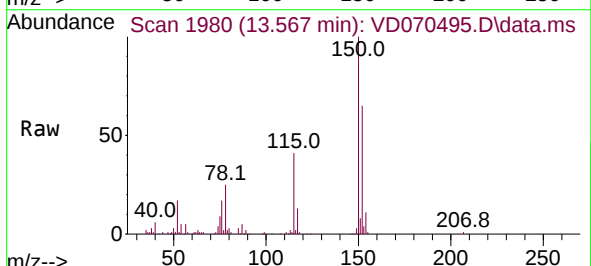
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

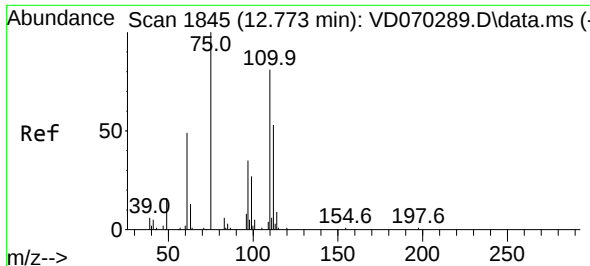
Tgt Ion:173 Resp: 1035
Ion Ratio Lower Upper
173 100
175 499.7 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion:152 Resp: 97300
Ion Ratio Lower Upper
152 100
115 63.6 32.1 96.3
150 158.7 0.0 350.6

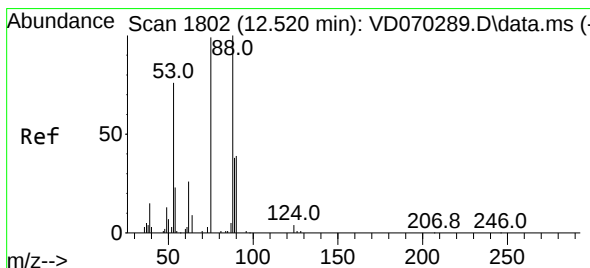
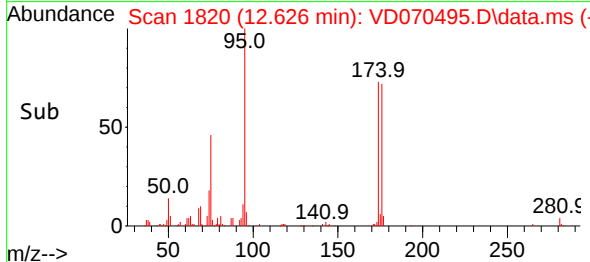
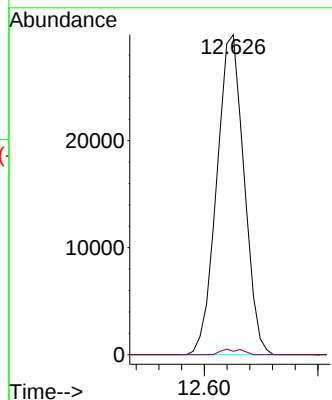
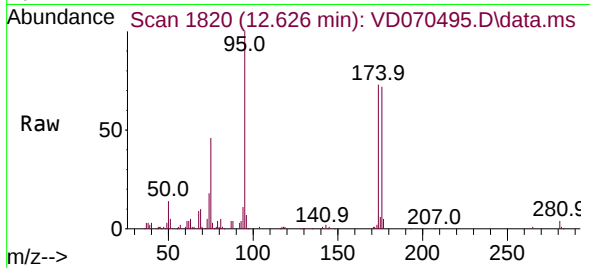




#76
1,2,3-Trichloropropane
Concen: 50.674 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

Tgt Ion: 75 Resp: 49873
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.967 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070495.D
Acq: 28 Sep 2021 11:45

Tgt Ion: 75 Resp: 49873
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.0 35.6 53.4#

