

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070002.D
 Acq On : 09 Aug 2021 17:55
 Operator : VA/SY
 Sample : M3321-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:05:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

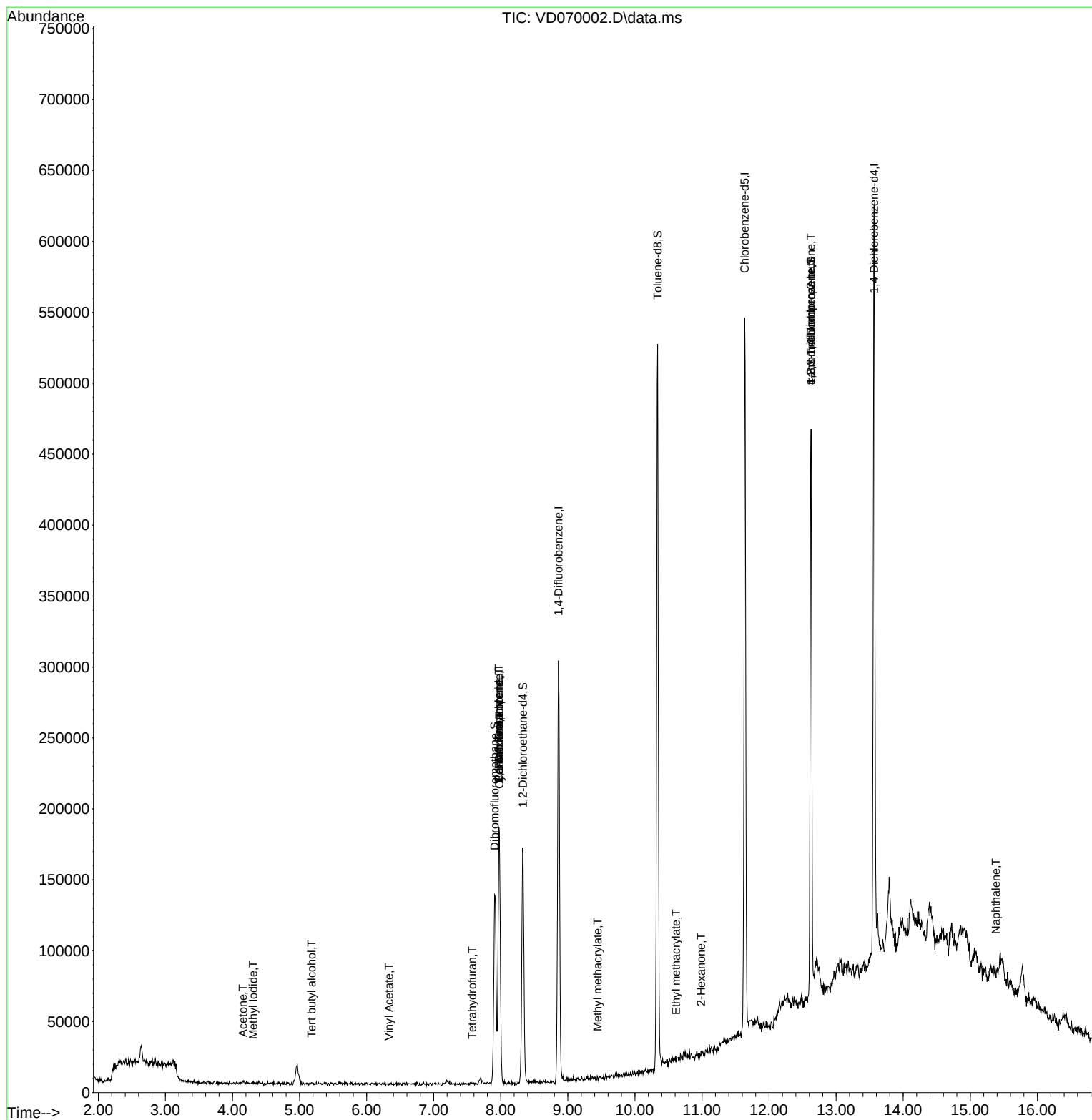
Internal Standards						
1) Pentafluorobenzene	7.973	168	127969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	254819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	293814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	141952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	129606	88.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.120%#	
35) Dibromofluoromethane	7.908	113	102361	63.722	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.440%	
50) Toluene-d8	10.338	98	344704	55.650	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.300%	
62) 4-Bromofluorobenzene	12.626	95	143869	69.499	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 139.000%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	1637	Below Cal	#	39
10) Methyl Iodide	4.309	142	680	3.860	ug/l #	50
11) Tert butyl alcohol	5.179	59	119	1.563	ug/l #	73
16) Acetone	4.156	43	2645	9.949	ug/l #	67
23) Vinyl Acetate	6.332	43	59	20.370	ug/l #	71
29) Tetrahydrofuran	7.573	42	272	1.166	ug/l #	32
31) Cyclohexane	7.979	56	2880	1.002	ug/l #	15
36) 1,1-Dichloropropene	7.973	75	12319	4.480	ug/l #	48
38) Carbon Tetrachloride	7.973	117	14298	5.692	ug/l #	16
48) Methyl methacrylate	9.444	41	314	3.057	ug/l #	13
56) Ethyl methacrylate	10.614	69	1102	4.462	ug/l #	31
59) 2-Hexanone	10.985	43	722	1.168	ug/l #	21
76) 1,2,3-Trichloropropane	12.626	75	68003	45.070	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	68003	136.729	ug/l #	16
95) Naphthalene	15.384	128	984	5.189	ug/l #	1

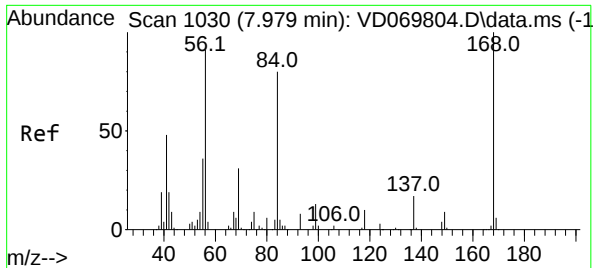
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 07:05:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
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QLast Update : Fri Jul 23 04:51:13 2021
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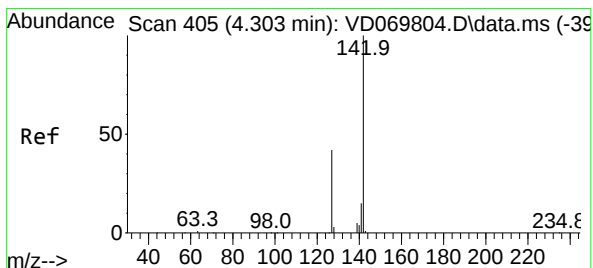
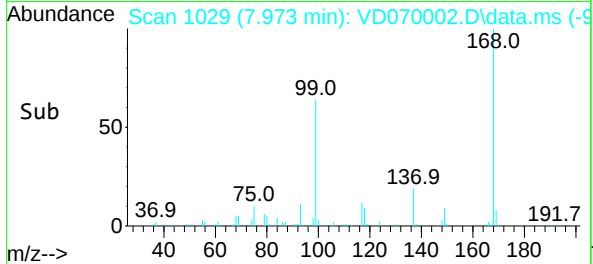
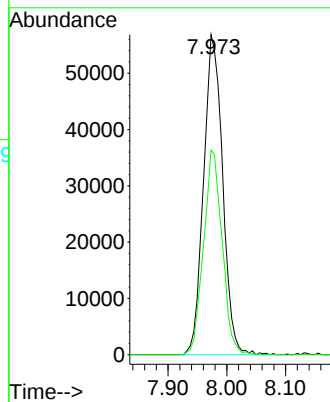
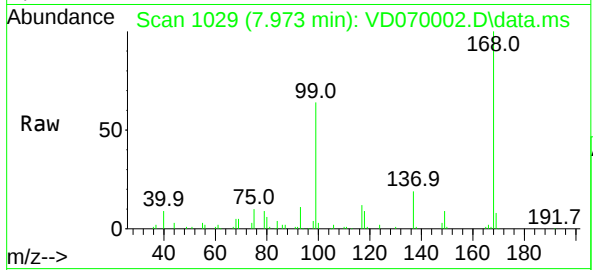




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

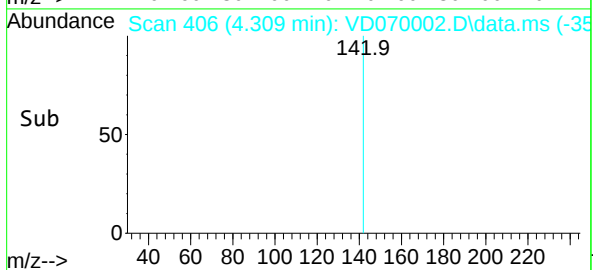
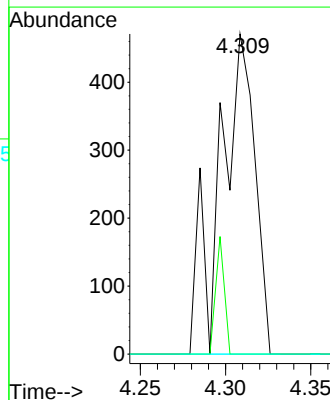
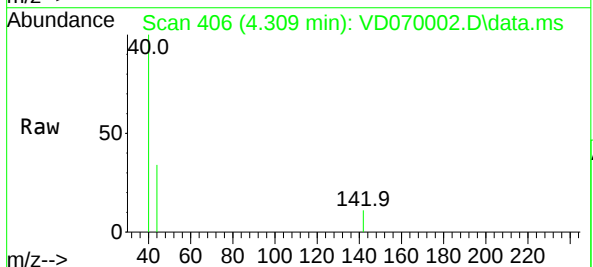
Instrument :
MSVOA_D
ClientSampled :

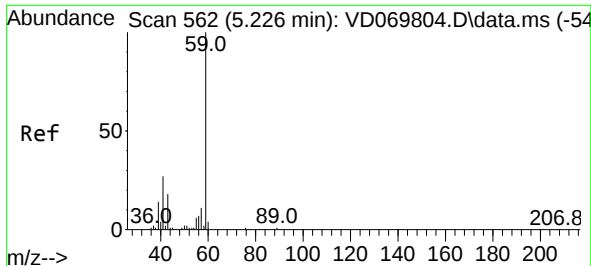
Tgt Ion:168 Resp: 127969
Ion Ratio Lower Upper
168 100
99 64.0 51.1 76.7



#10
Methyl Iodide
Concen: 3.860 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Tgt Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 9.0 35.7 53.5#
141 0.0 12.0 18.0#

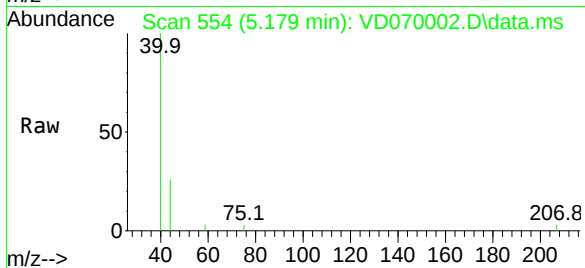




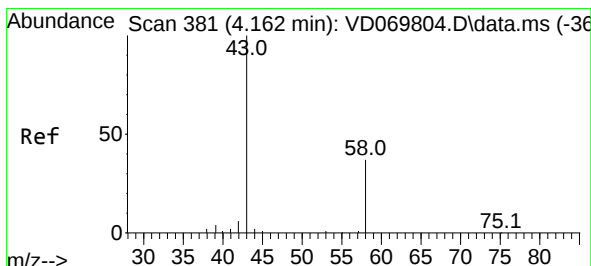
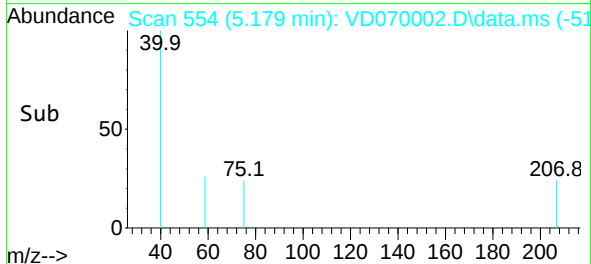
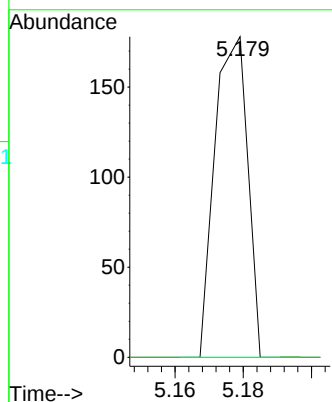
#11

Tert butyl alcohol
Concen: 1.563 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.047 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Instrument :
MSVOA_D
ClientSampled :



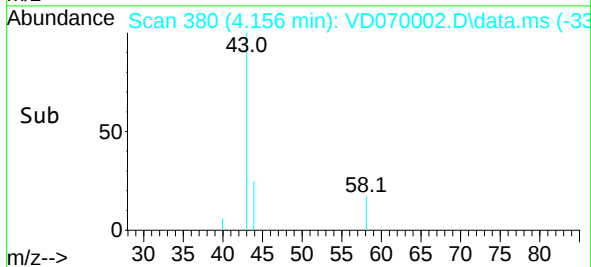
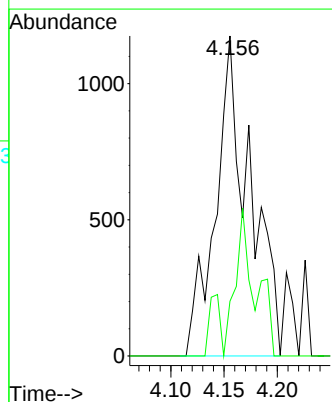
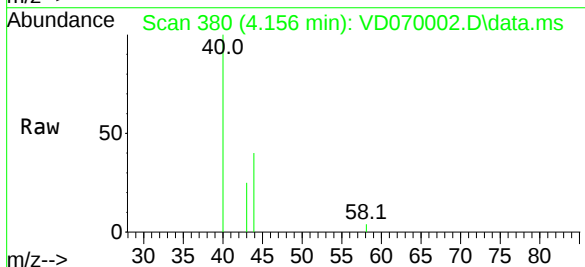
Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

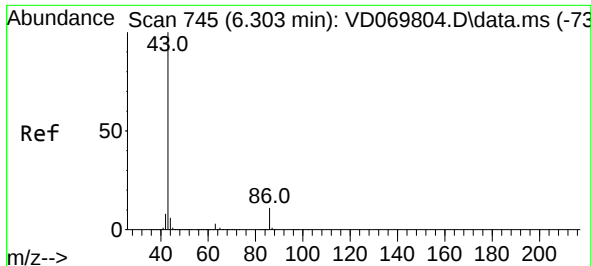


#16

Acetone
Concen: 9.949 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
58 17.1 29.4 44.0#

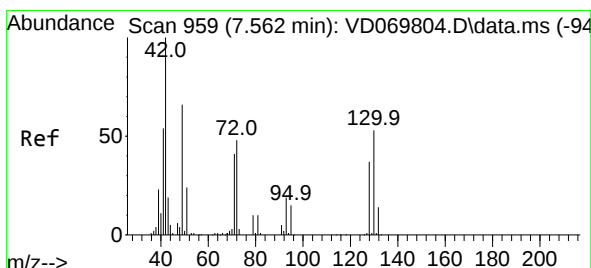
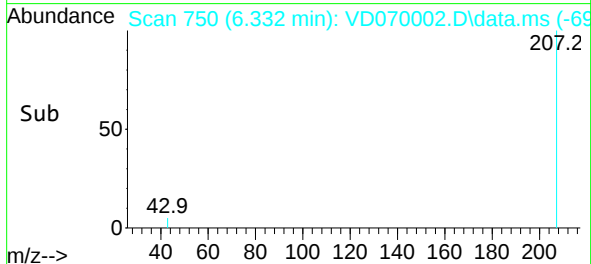
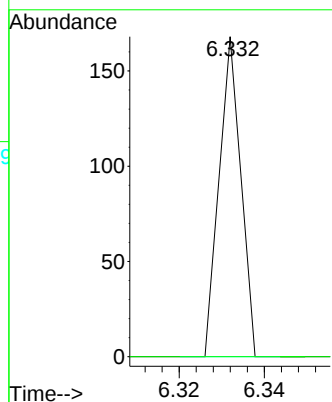
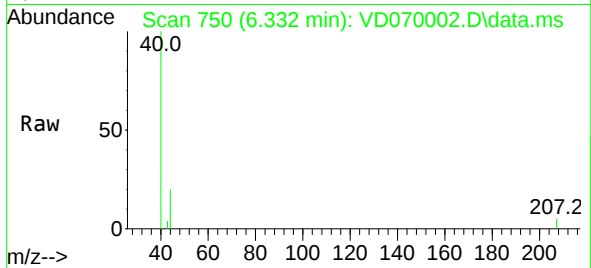




#23
 Vinyl Acetate
 Concen: 20.370 ug/l
 RT: 6.332 min Scan# 750
 Delta R.T. 0.029 min
 Lab File: VD070002.D
 Acq: 09 Aug 2021 17:55

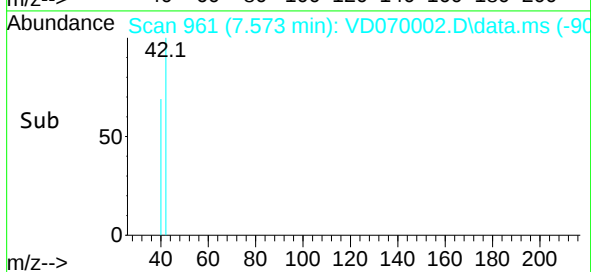
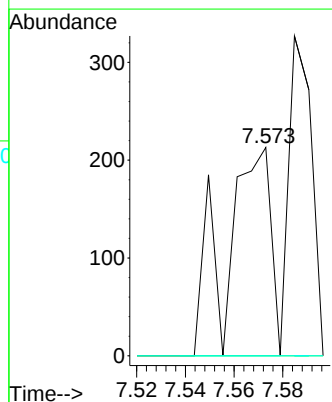
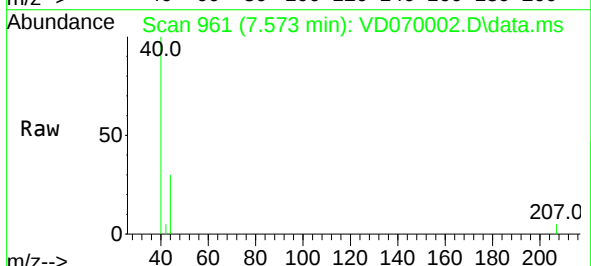
Instrument :
 MSVOA_D
 ClientSampled :

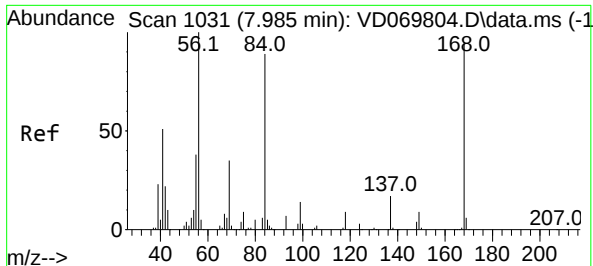
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#29
 Tetrahydrofuran
 Concen: 1.166 ug/l
 RT: 7.573 min Scan# 961
 Delta R.T. 0.012 min
 Lab File: VD070002.D
 Acq: 09 Aug 2021 17:55

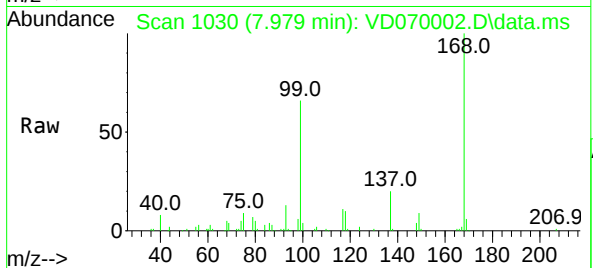
Tgt Ion: 42 Resp: 272
 Ion Ratio Lower Upper
 42 100
 72 0.0 36.5 54.7#
 71 0.0 33.5 50.3#



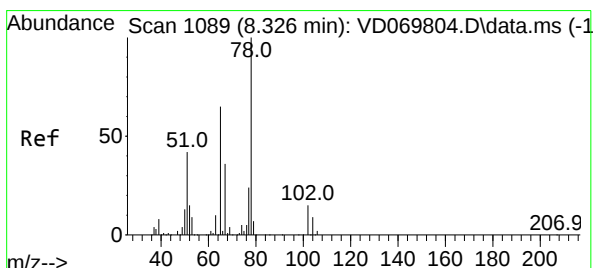
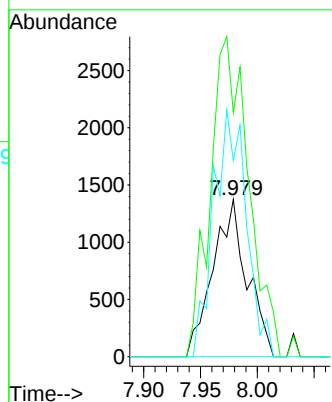
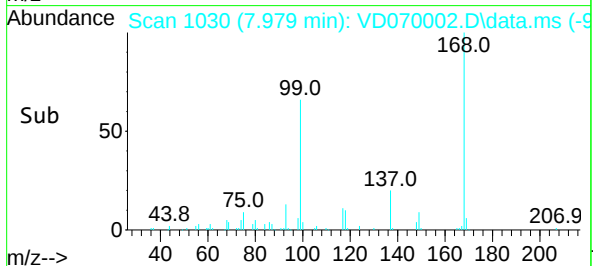


#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

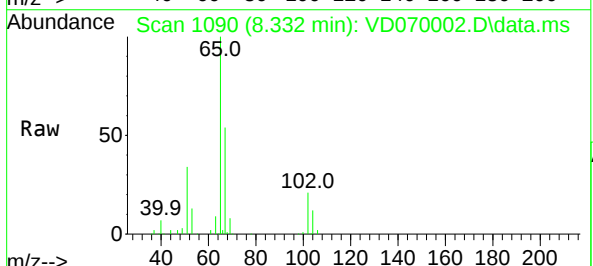
Instrument :
MSVOA_D
ClientSampled :



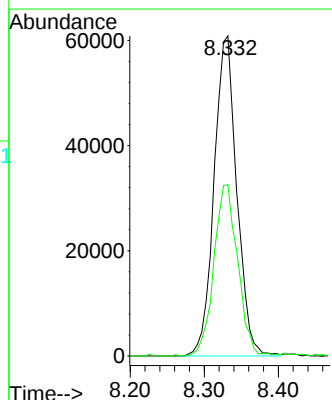
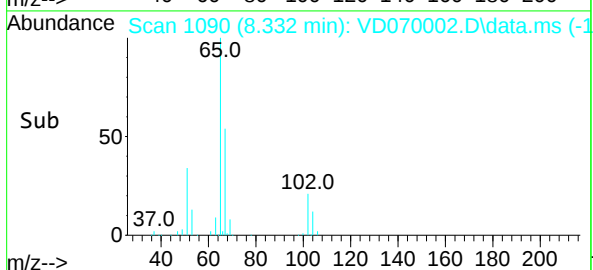
Tgt Ion: 56 Resp: 2880
Ion Ratio Lower Upper
56 100
69 155.2 27.9 41.9#
84 124.7 71.4 107.2#

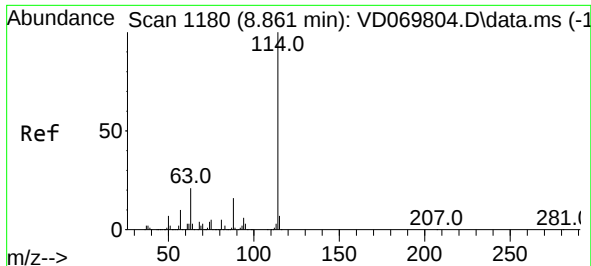


#33
1,2-Dichloroethane-d4
Concen: 88.062 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55



Tgt Ion: 65 Resp: 129606
Ion Ratio Lower Upper
65 100
67 56.1 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070002.D

Acq: 09 Aug 2021 17:55

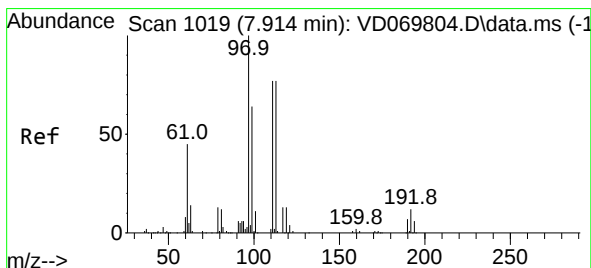
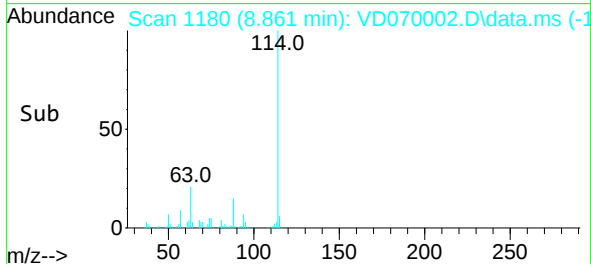
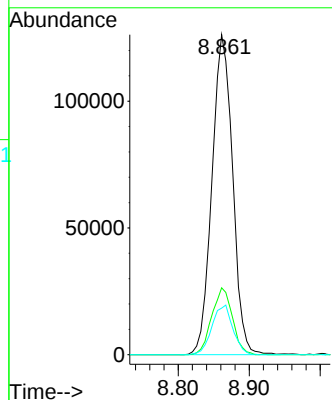
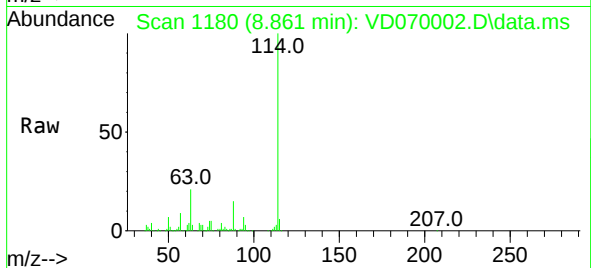
Tgt Ion:114 Resp: 254819

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

88 14.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 63.722 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070002.D

Acq: 09 Aug 2021 17:55

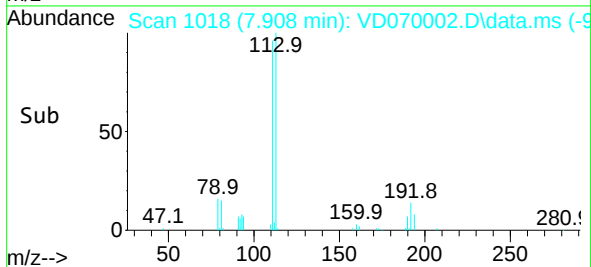
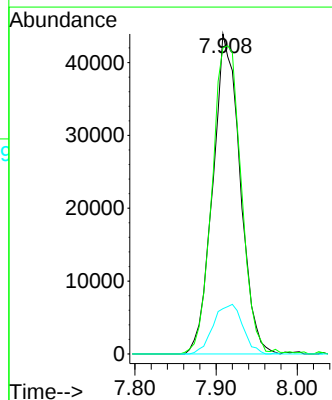
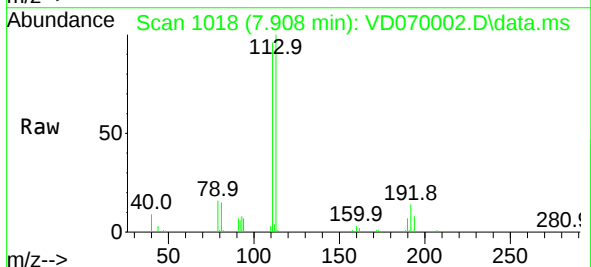
Tgt Ion:113 Resp: 102361

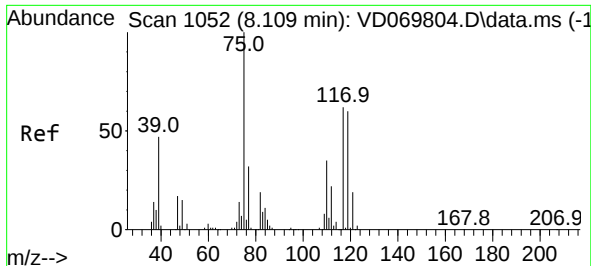
Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

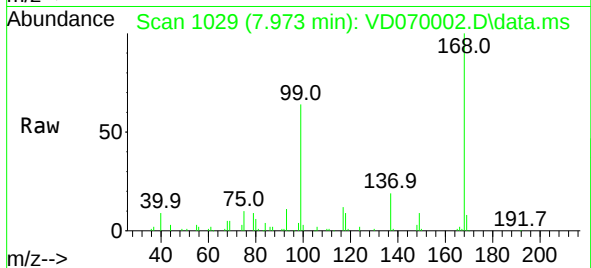
192 16.7 12.6 19.0



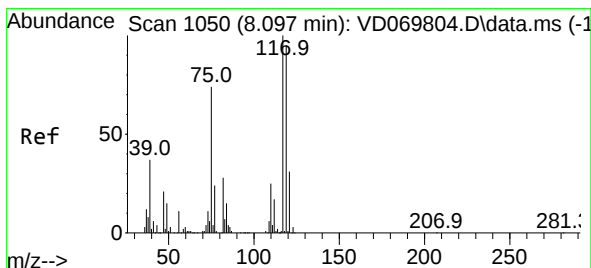
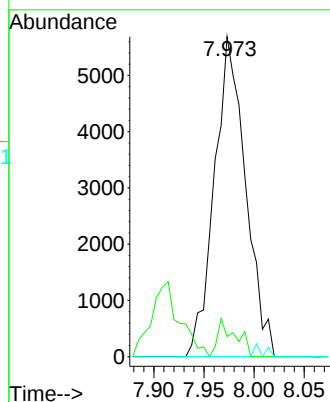
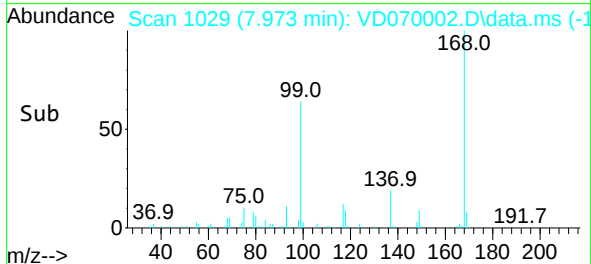


#36
1,1-Dichloropropene
Concen: 4.480 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

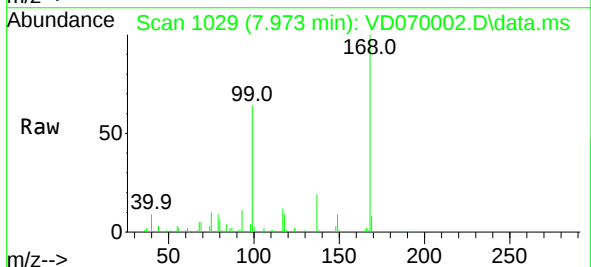
Instrument :
MSVOA_D
ClientSampled :



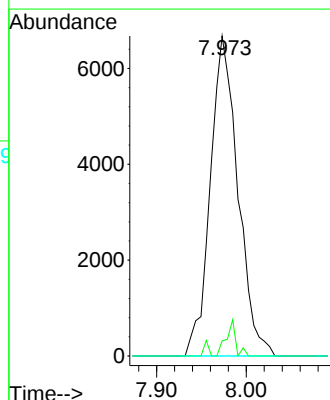
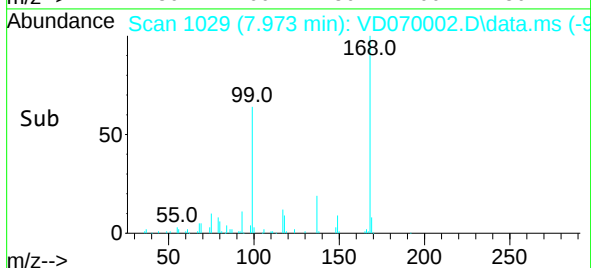
Tgt Ion: 75 Resp: 12319
Ion Ratio Lower Upper
75 100
110 6.8 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.692 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55



Tgt Ion: 117 Resp: 14298
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 3.057 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.006 min

Lab File: VD070002.D

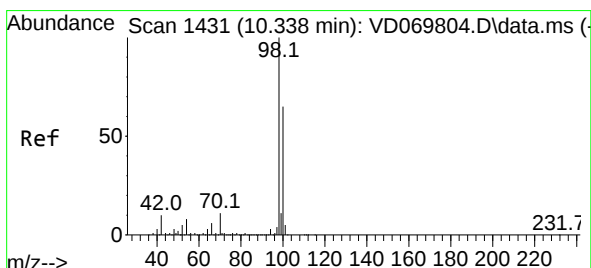
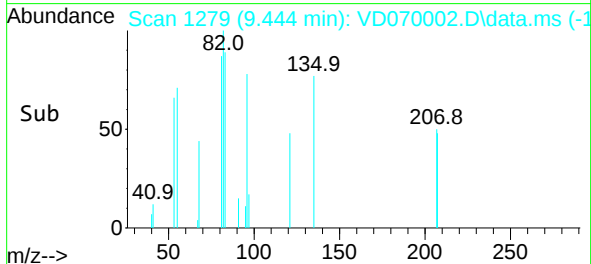
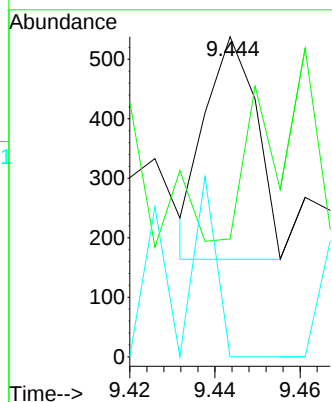
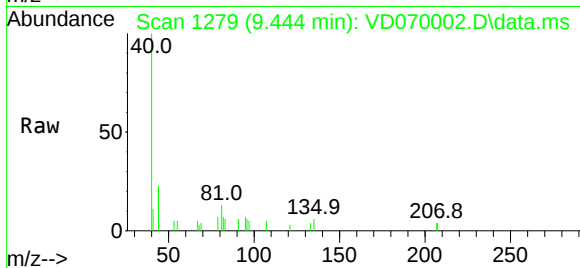
Acq: 09 Aug 2021 17:55

Instrument :

MSVOA_D

ClientSampled :

Tgt Ion:	41	Resp:	314
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	0.0	36.6	55.0#



#50

Toluene-d8

Concen: 55.650 ug/l

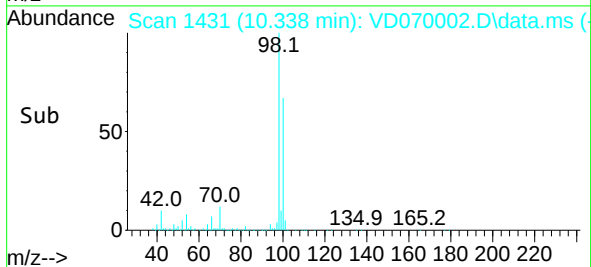
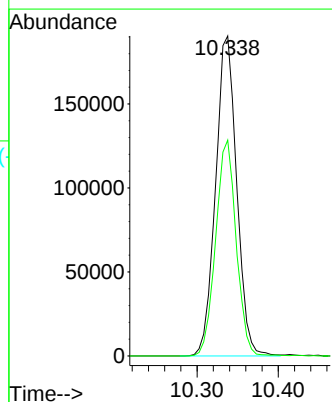
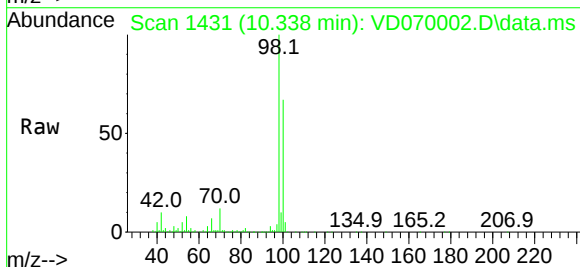
RT: 10.338 min Scan# 1431

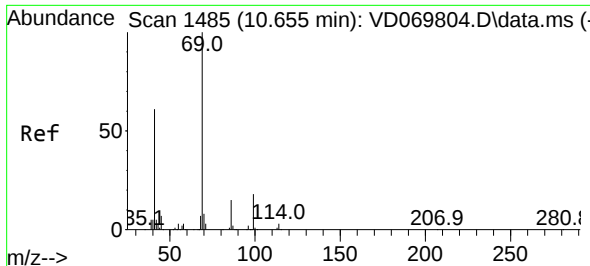
Delta R.T. -0.000 min

Lab File: VD070002.D

Acq: 09 Aug 2021 17:55

Tgt Ion:	98	Resp:	344704
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.9	77.9

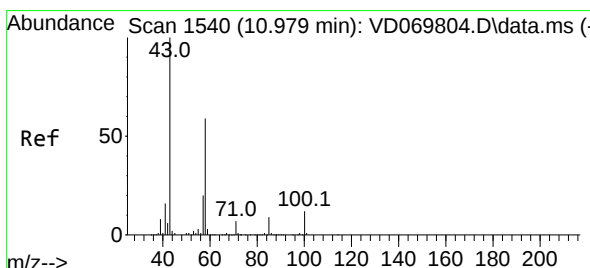
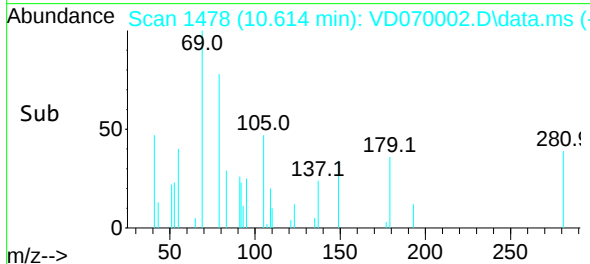
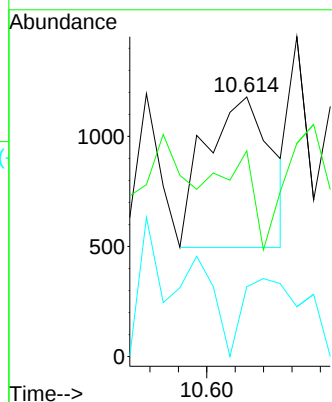
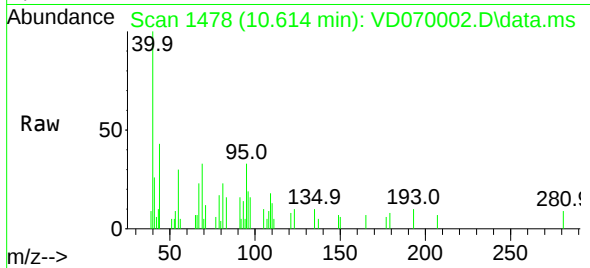




#56
Ethyl methacrylate
Concen: 4.462 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. -0.041 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

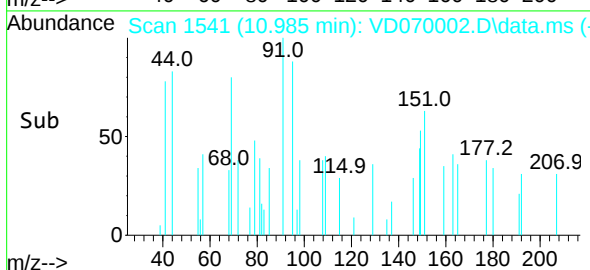
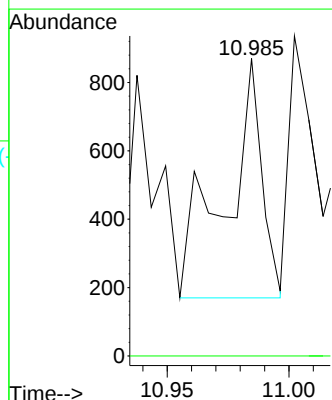
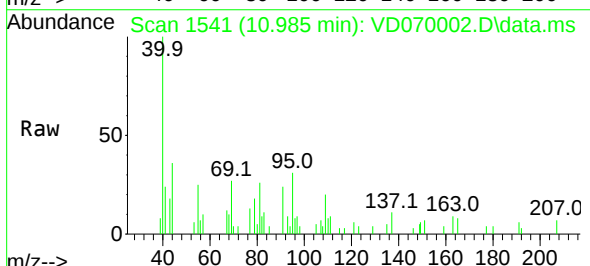
Instrument :
MSVOA_D
ClientSampled :

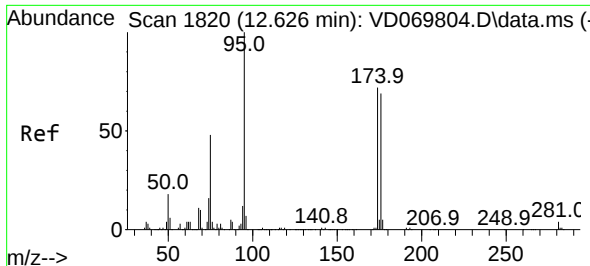
Tgt Ion: 69 Resp: 1102
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 48.5 22.0 33.0#



#59
2-Hexanone
Concen: 1.168 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

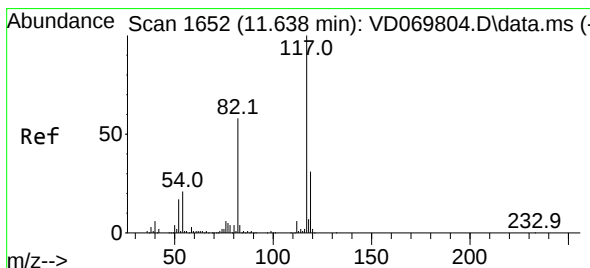
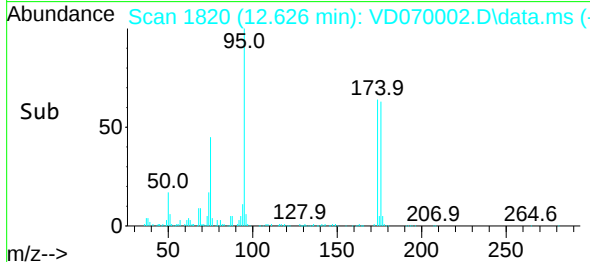
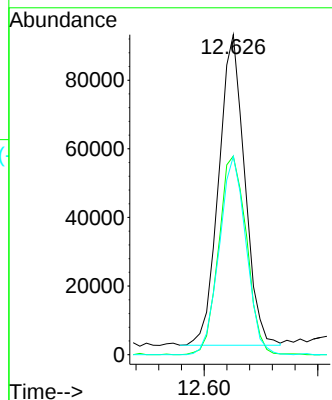
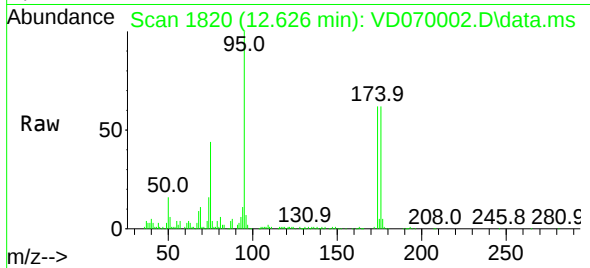




#62
4-Bromofluorobenzene
Concen: 69.499 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

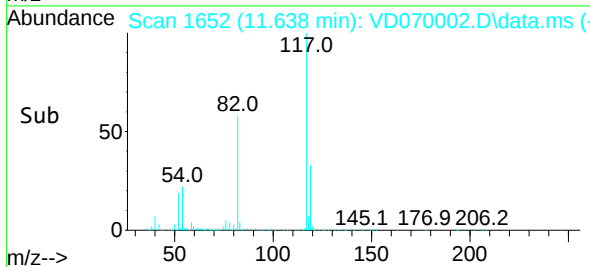
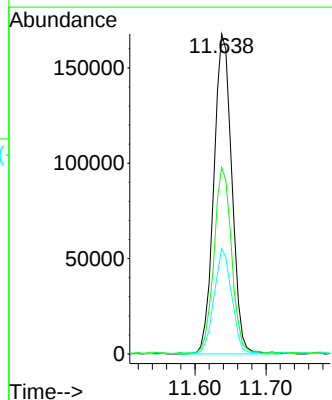
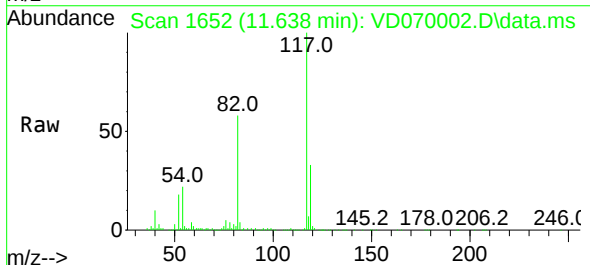
Instrument :
MSVOA_D
ClientSampleId :

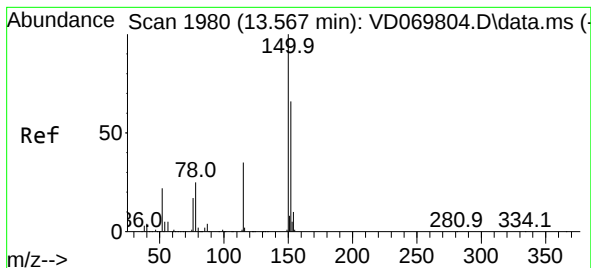
Tgt Ion: 95 Resp: 143869
Ion Ratio Lower Upper
95 100
174 68.6 0.0 142.6
176 65.8 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Tgt Ion: 117 Resp: 293814
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 32.8 24.7 37.1

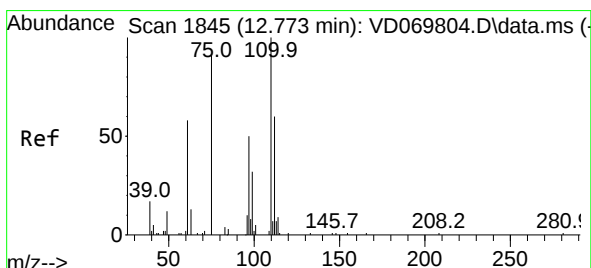
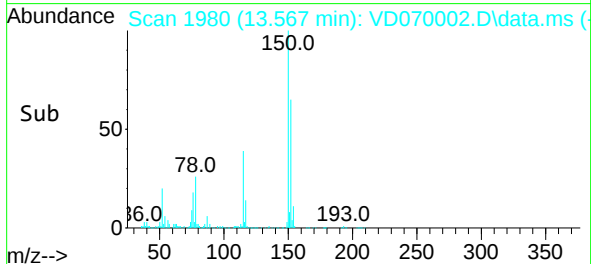
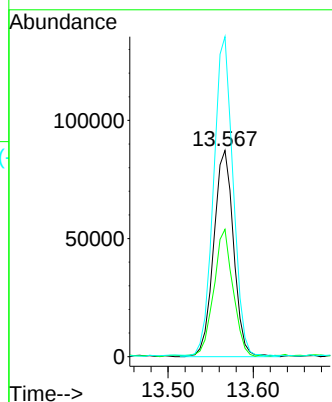
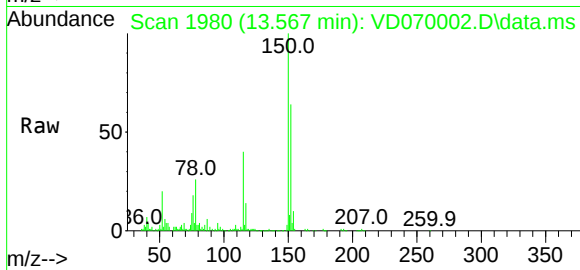




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

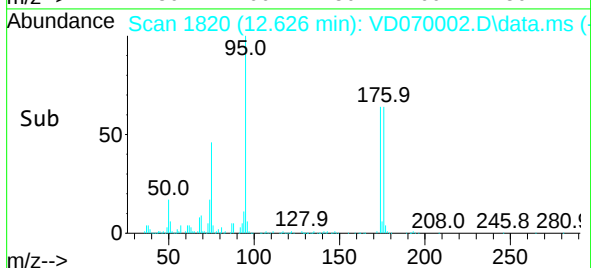
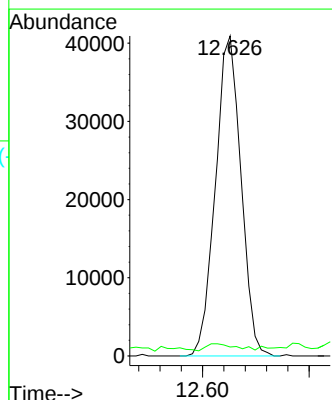
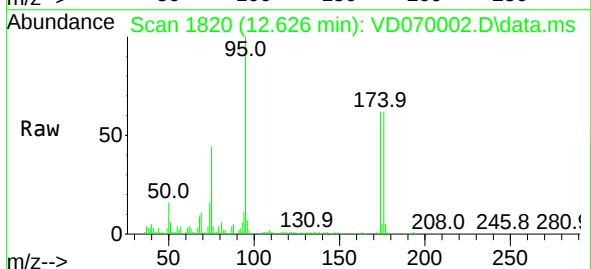
Instrument :
MSVOA_D
ClientSampled :

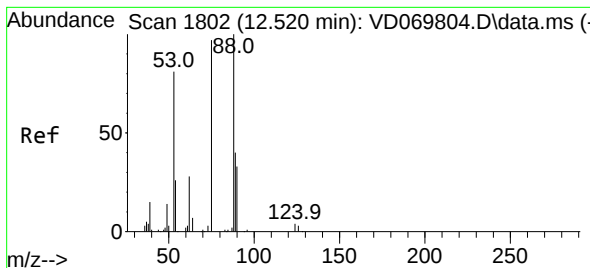
Tgt Ion:152 Resp: 141952
Ion Ratio Lower Upper
152 100
115 59.1 31.1 93.3
150 151.8 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 45.070 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Tgt Ion: 75 Resp: 68003
Ion Ratio Lower Upper
75 100
77 2.6 181.5 544.5#

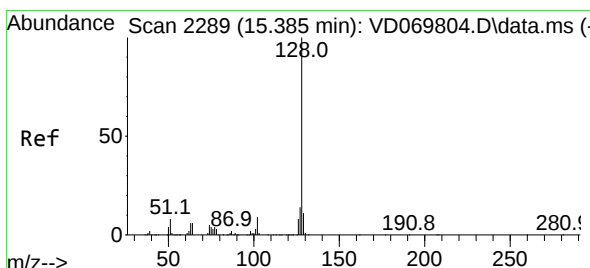
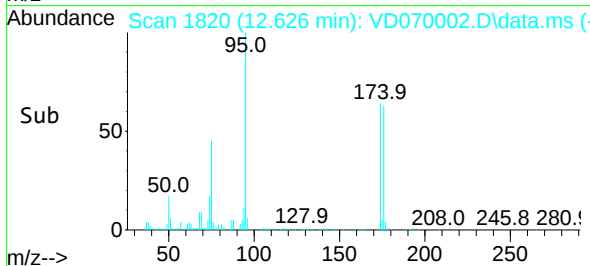
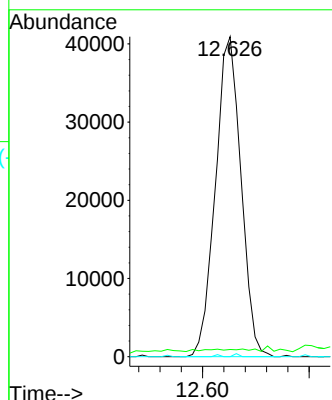
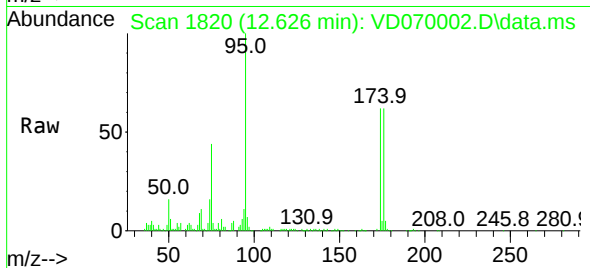




#81
trans-1,4-Dichloro-2-butene
Concen: 136.729 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 68003
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.2 35.8 53.6#



#95
Naphthalene
Concen: 5.189 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070002.D
Acq: 09 Aug 2021 17:55

Tgt Ion: 128 Resp: 984
Ion Ratio Lower Upper
128 100
127 80.6 10.6 16.0#
129 0.0 8.6 12.8#

