

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070302.D
 Acq On : 10 Sep 2021 16:19
 Operator : VA/SY
 Sample : M3684-03
 Misc : 5.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:26:46 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)

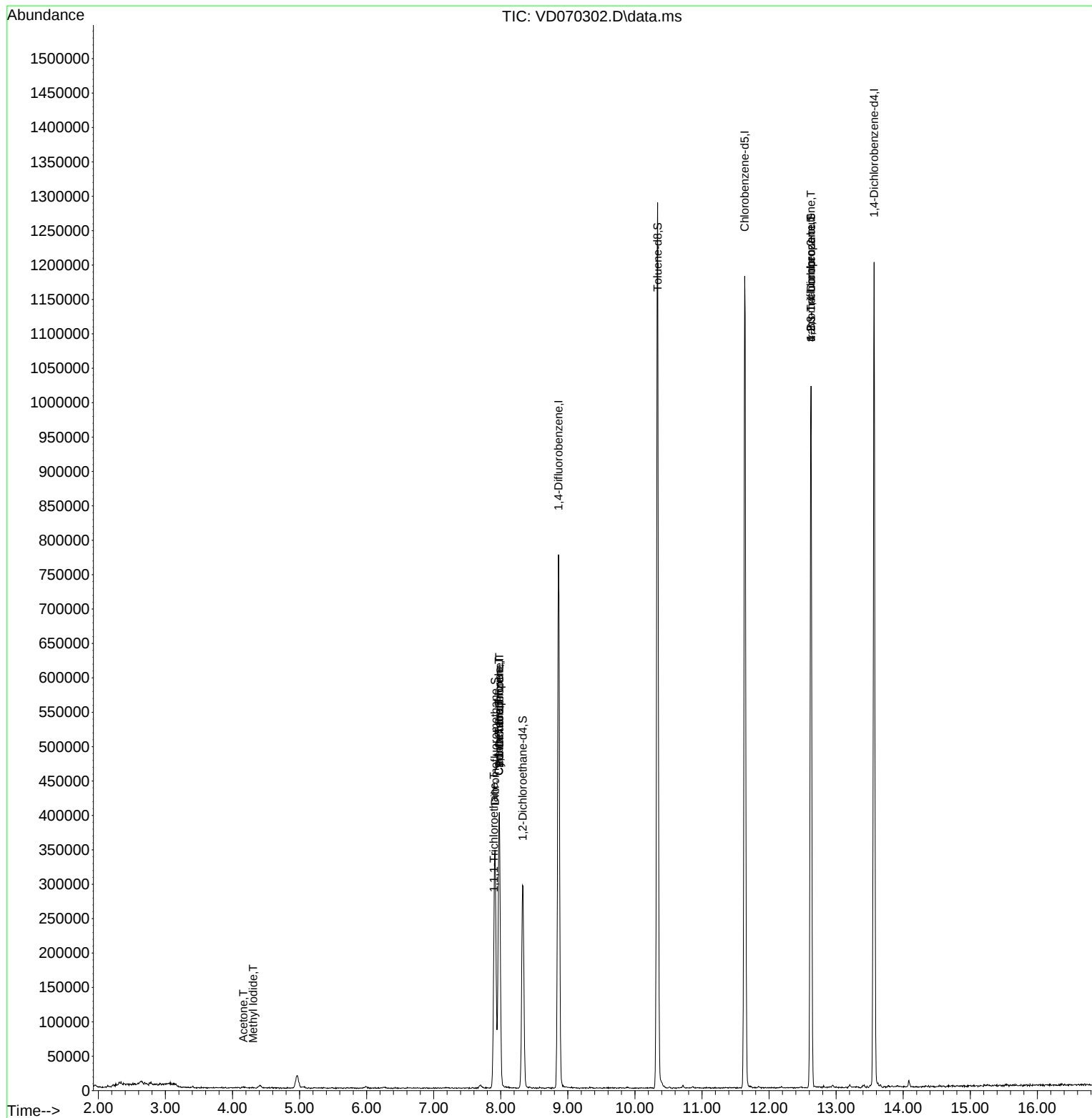
Internal Standards						
1) Pentafluorobenzene	7.979	168	279777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	653844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	698988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	305111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	238778	66.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.940%	
35) Dibromofluoromethane	7.914	113	249623	53.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.338	98	876432	51.866	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.626	95	315208	53.374	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.740%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	401	Below Cal	#	43
3) Chloromethane	2.209	50	1092	Below Cal	#	32
5) Bromomethane	2.768	94	2372	Below Cal	#	33
6) Chloroethane	2.920	64	395	Below Cal	#	18
10) Methyl Iodide	4.309	142	990	1.309	ug/l #	82
16) Acetone	4.162	43	2711	4.227	ug/l #	69
18) Methyl Acetate	4.814	43	56	Below Cal	#	48
20) Methylene Chloride	4.962	84	14986	Below Cal	#	95
31) Cyclohexane	7.973	56	7140	1.154	ug/l #	25
32) 1,1,1-Trichloroethane	7.897	97	18748	2.997	ug/l	95
36) 1,1-Dichloropropene	7.979	75	26637	3.811	ug/l #	48
38) Carbon Tetrachloride	7.973	117	32148	4.651	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	158283	51.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	158283	128.504	ug/l #	18

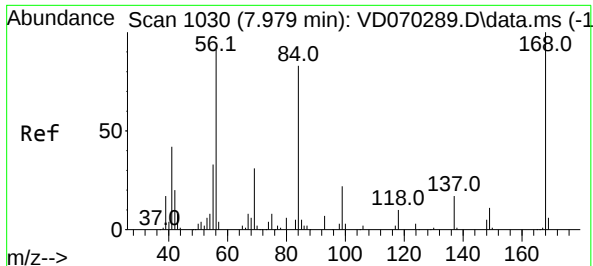
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 11 02:26:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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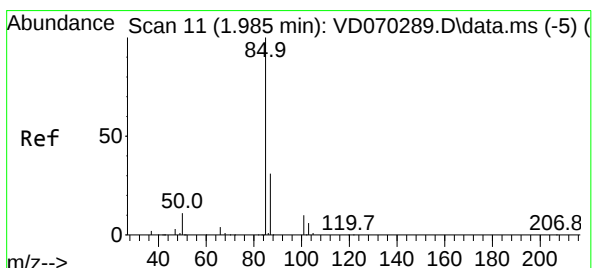
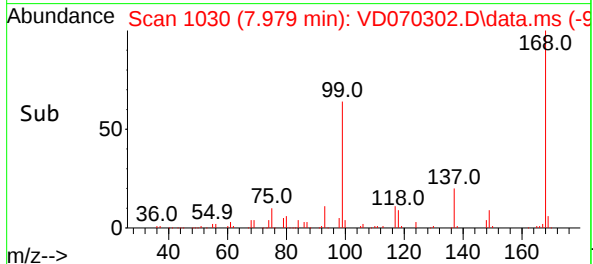
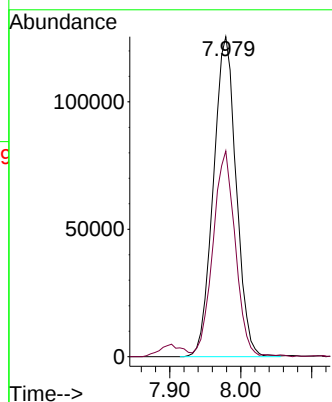
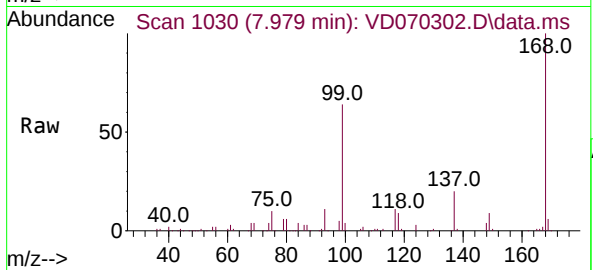




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

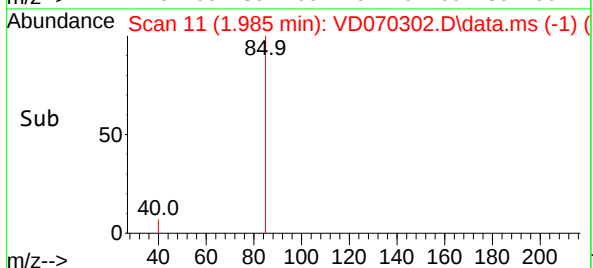
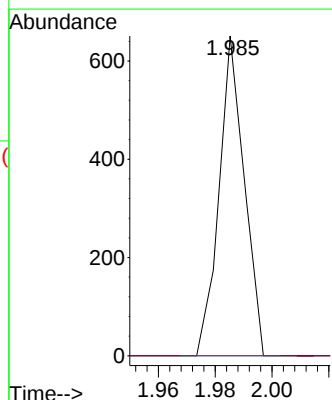
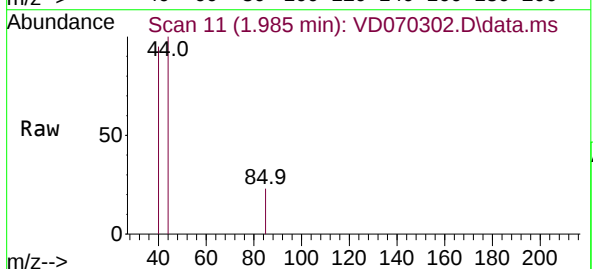
Instrument :
MSVOA_D
ClientSampleId :

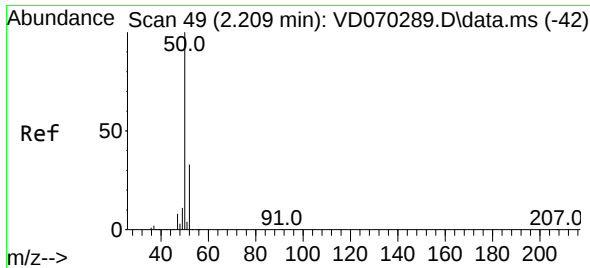
Tgt Ion:168 Resp: 279777
Ion Ratio Lower Upper
168 100
99 63.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 85 Resp: 401
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

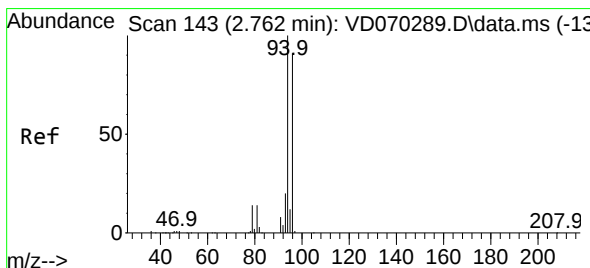
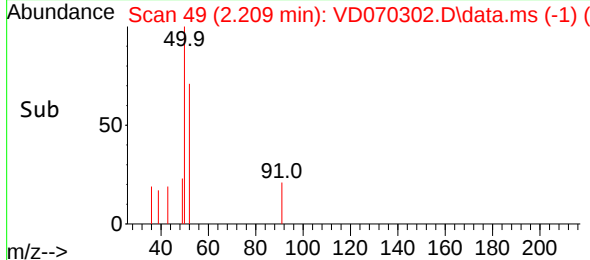
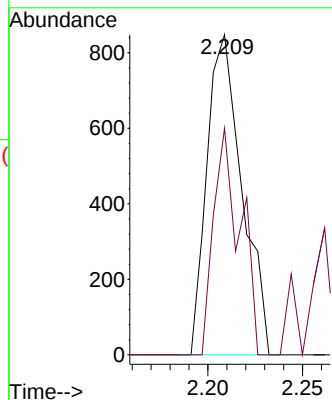
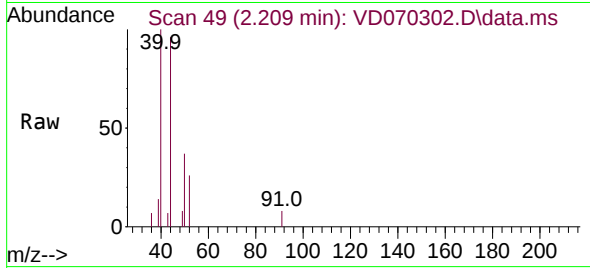




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

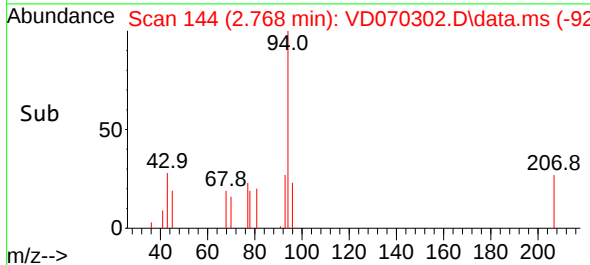
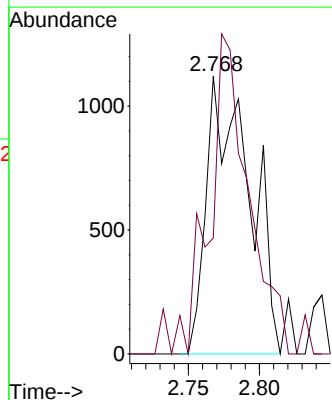
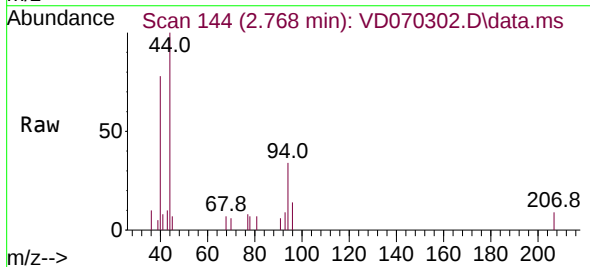
Instrument :
MSVOA_D
ClientSampled :

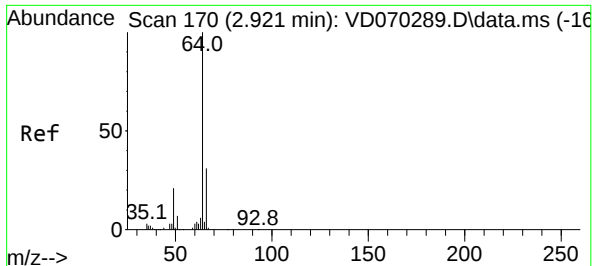
Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 70.8 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 94 Resp: 2372
Ion Ratio Lower Upper
94 100
96 27.9 73.0 109.6#

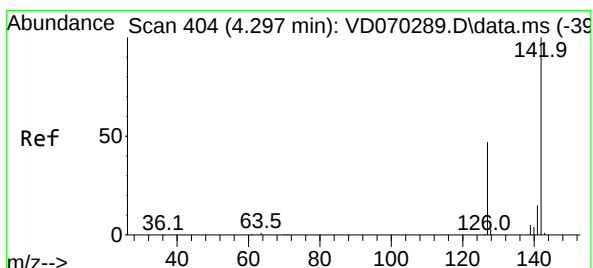
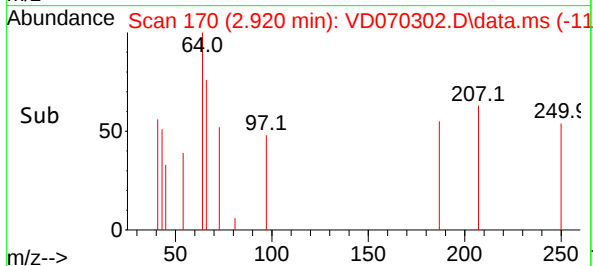
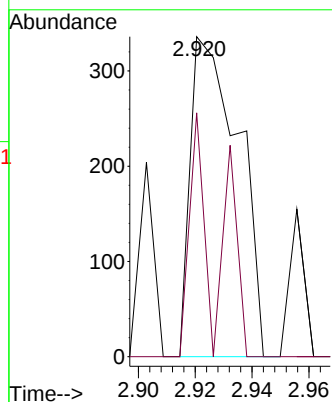
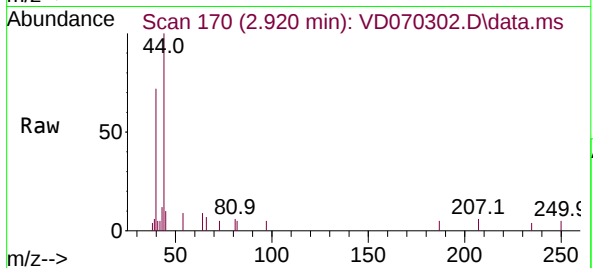




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

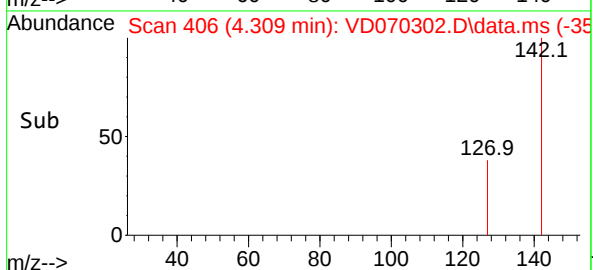
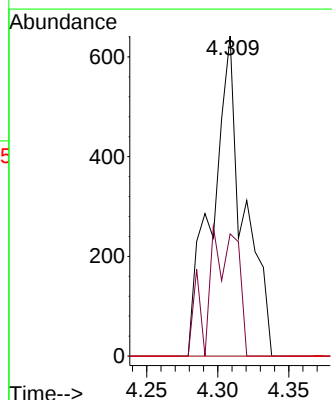
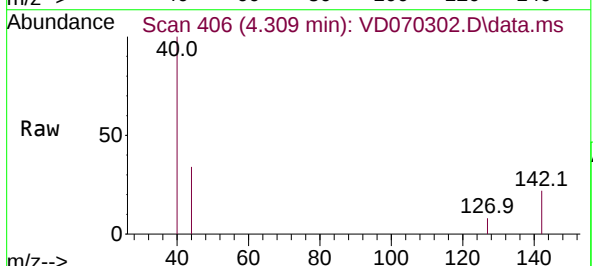
Instrument :
MSVOA_D
ClientSampled :

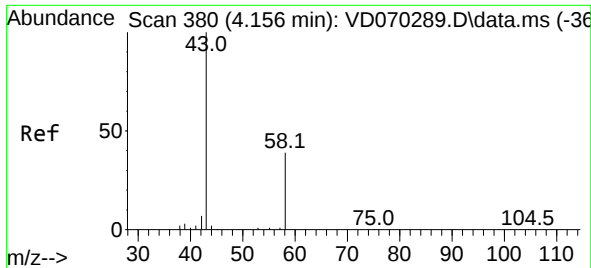
Tgt Ion: 64 Resp: 395
Ion Ratio Lower Upper
64 100
66 76.2 25.0 37.4#



#10
Methyl Iodide
Concen: 1.309 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion:142 Resp: 990
Ion Ratio Lower Upper
142 100
127 37.8 36.9 55.3
141 0.0 11.8 17.6#

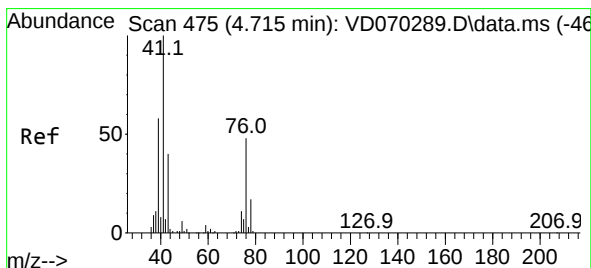
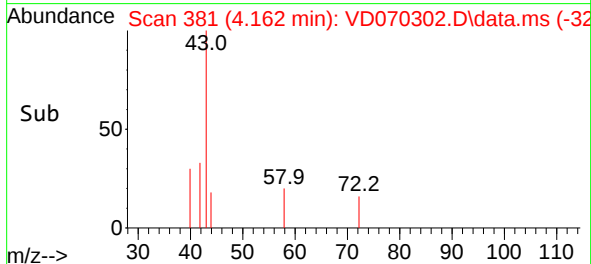
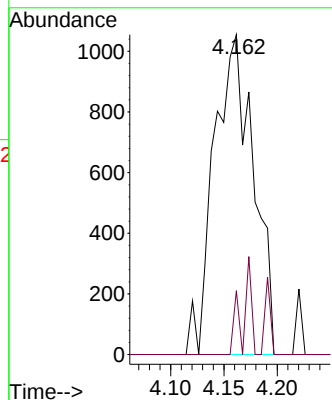
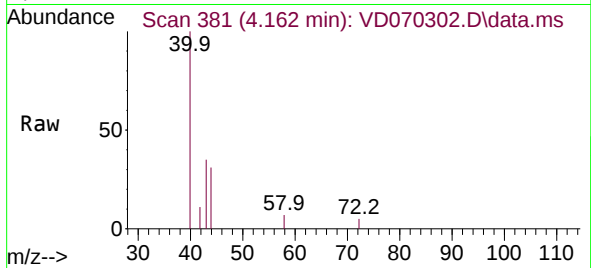




#16
Acetone
Concen: 4.227 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

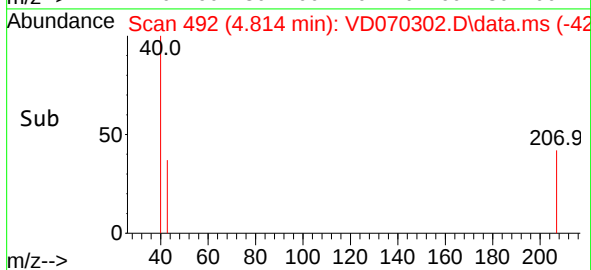
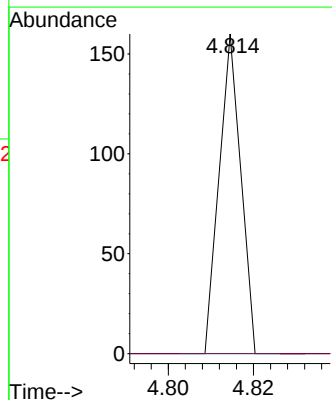
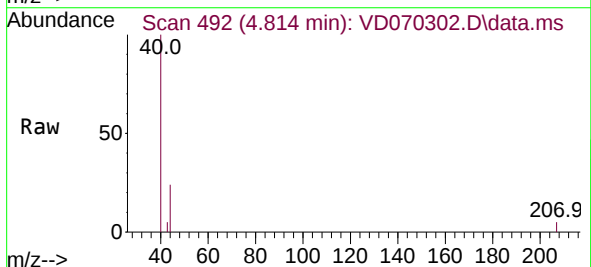
Instrument :
MSVOA_D
ClientSampled :

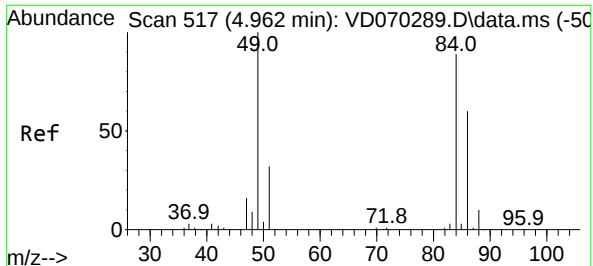
Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
58 20.0 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.814 min Scan# 492
Delta R.T. 0.099 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD070302.D

Acq: 10 Sep 2021 16:19

Tgt Ion: 84 Resp: 14986

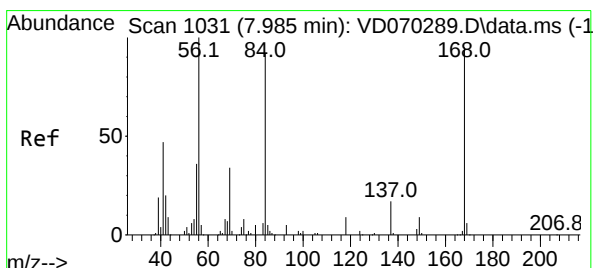
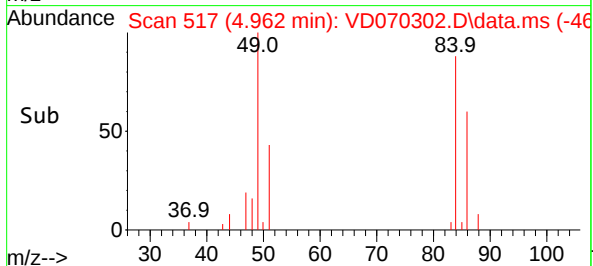
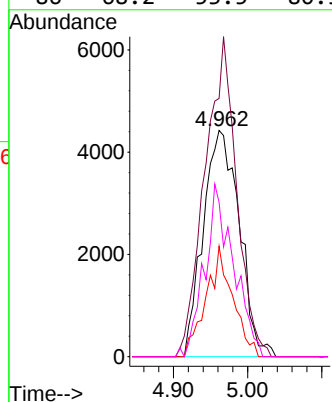
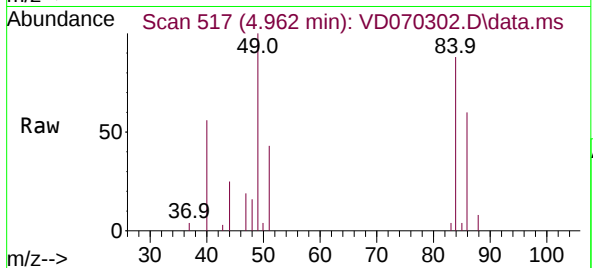
Ion Ratio Lower Upper

84 100

49 114.2 89.6 134.4

51 48.8 28.6 43.0#

86 68.2 53.5 80.3



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070302.D

Acq: 10 Sep 2021 16:19

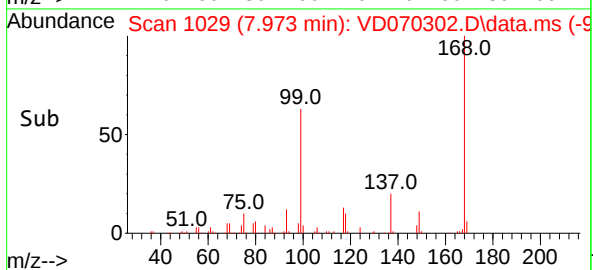
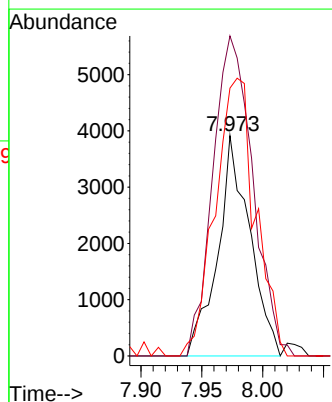
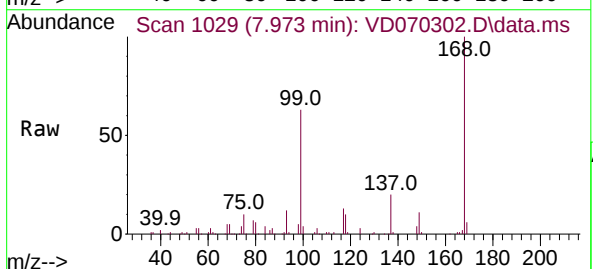
Tgt Ion: 56 Resp: 7140

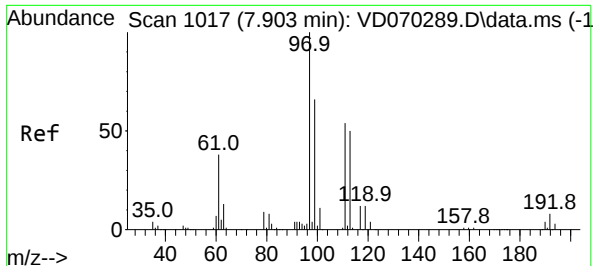
Ion Ratio Lower Upper

56 100

69 145.3 26.9 40.3#

84 121.6 73.6 110.4#



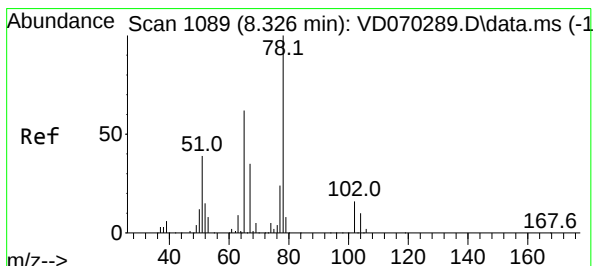
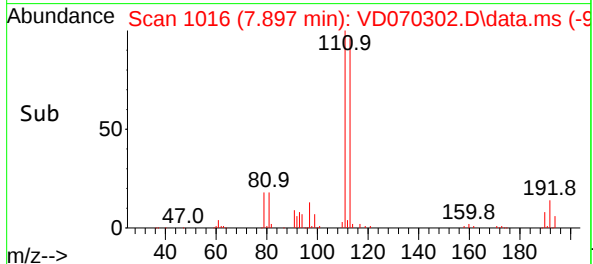
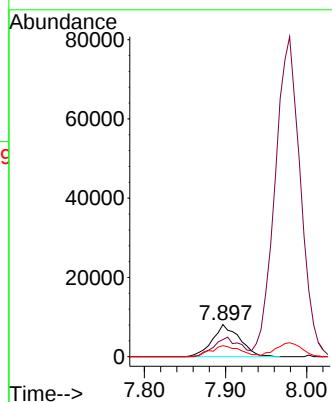
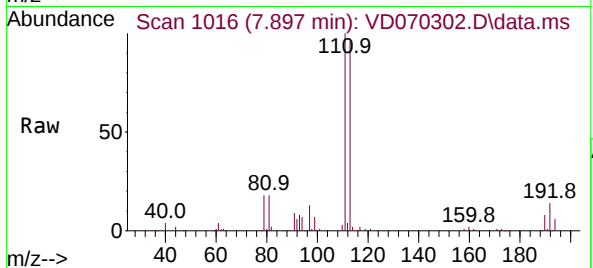


#32

1,1,1-Trichloroethane
Concen: 2.997 ug/l
RT: 7.897 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Instrument :
MSVOA_D
ClientSampled :

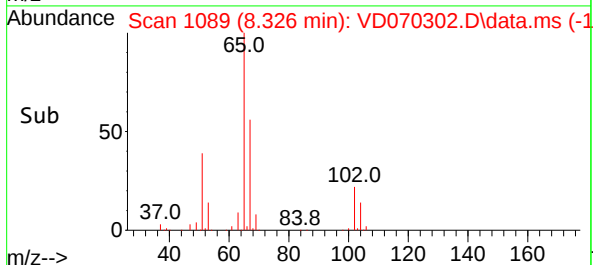
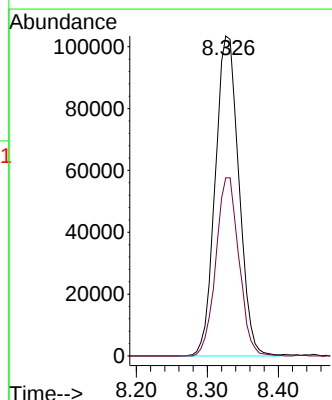
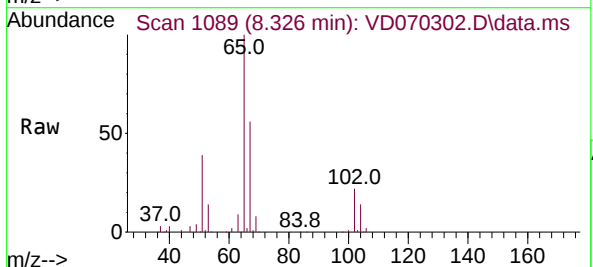
Tgt Ion: 97 Resp: 18748
Ion Ratio Lower Upper
97 100
99 59.3 51.1 76.7
61 37.7 31.4 47.0

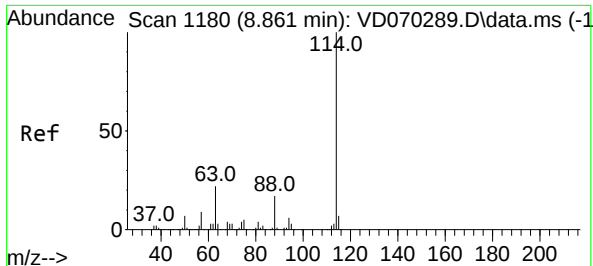


#33

1,2-Dichloroethane-d4
Concen: 66.468 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 65 Resp: 238778
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.4



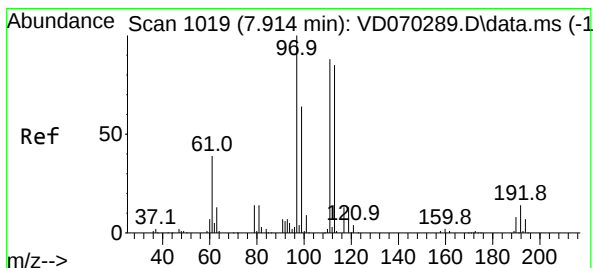
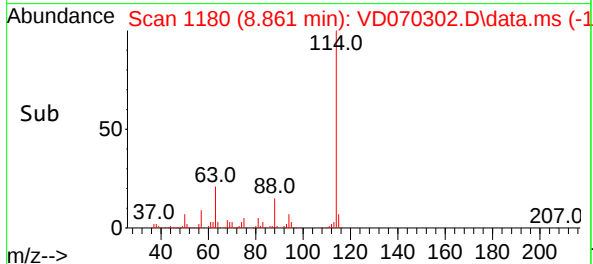
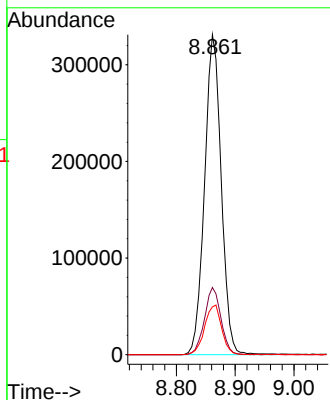
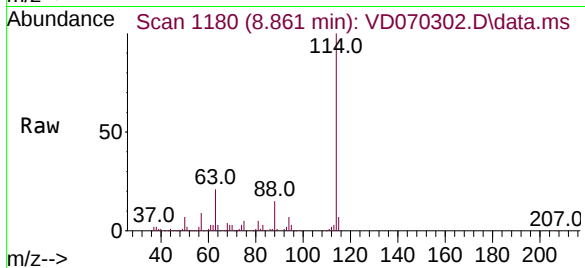


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Instrument :
MSVOA_D
ClientSampleId :

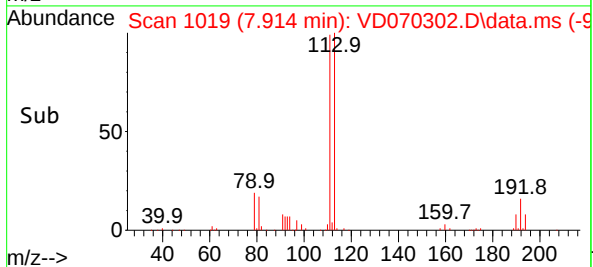
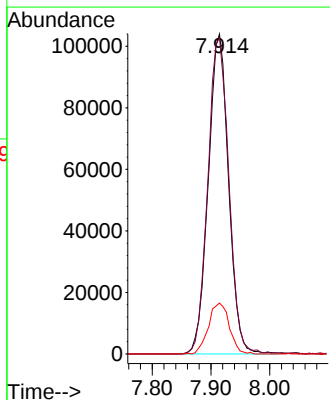
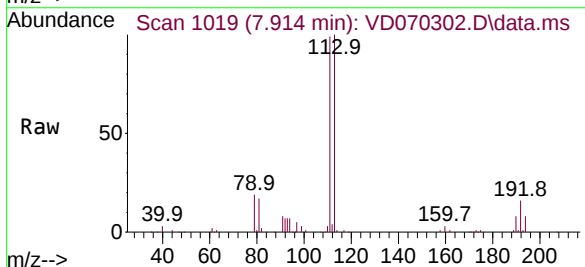
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	15.0	0.0	33.4

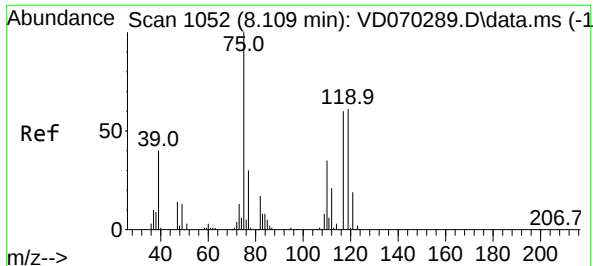


#35

Dibromofluoromethane
Concen: 53.635 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	16.3	13.0	19.6

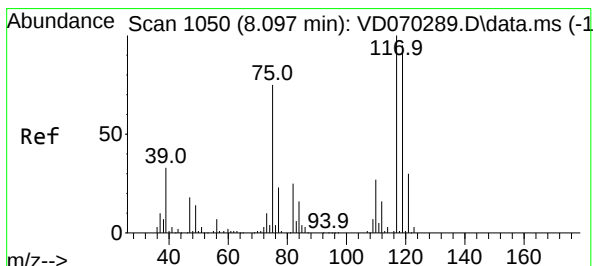
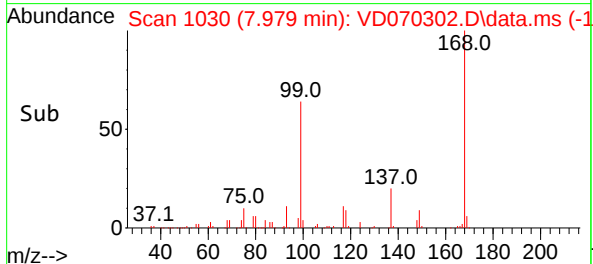
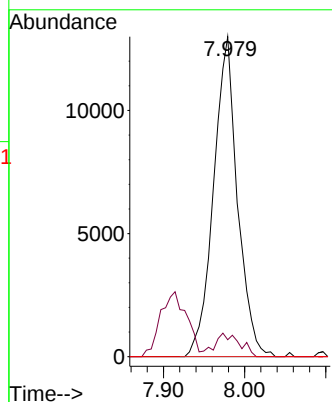
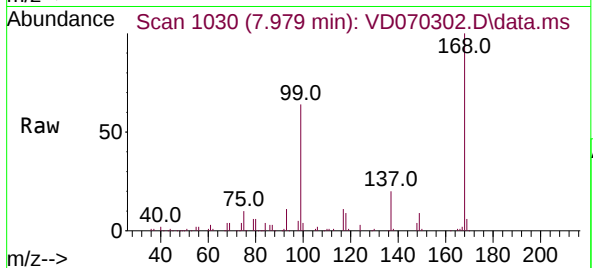




#36
1,1-Dichloropropene
Concen: 3.811 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

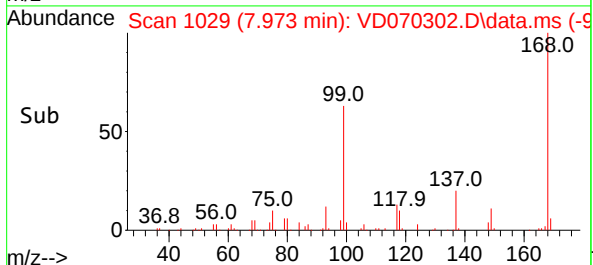
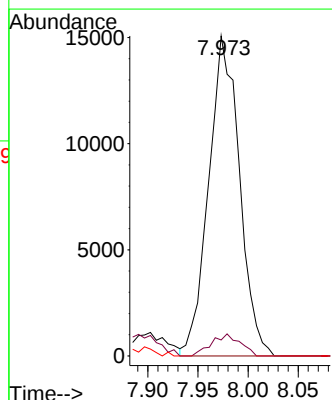
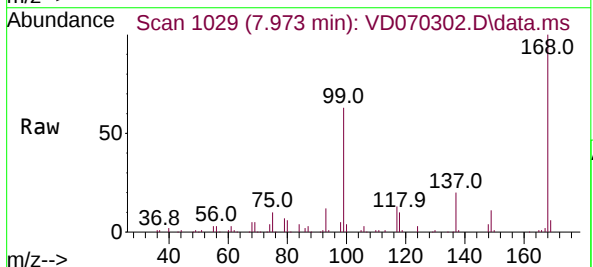
Instrument :
MSVOA_D
ClientSampled :

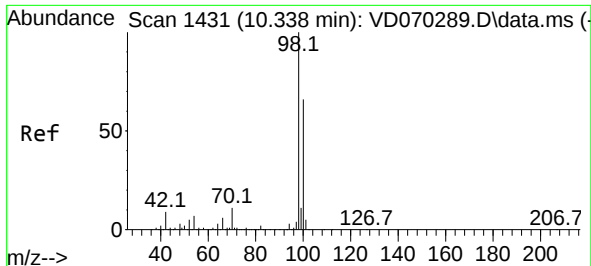
Tgt Ion: 75 Resp: 26637
Ion Ratio Lower Upper
75 100
110 7.4 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.651 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 117 Resp: 32148
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 23.8 35.6#

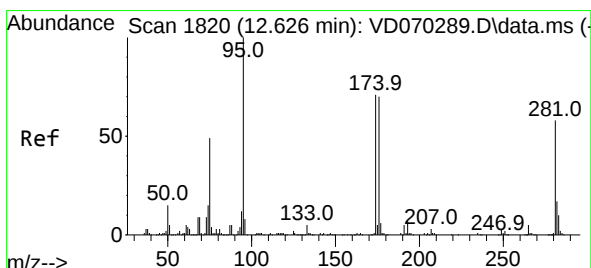
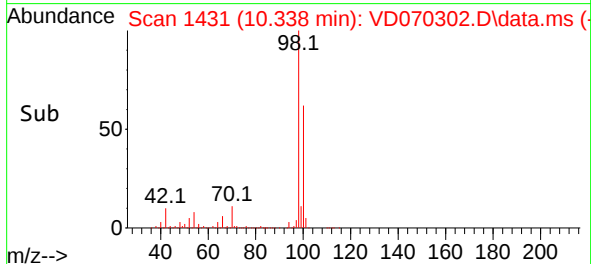
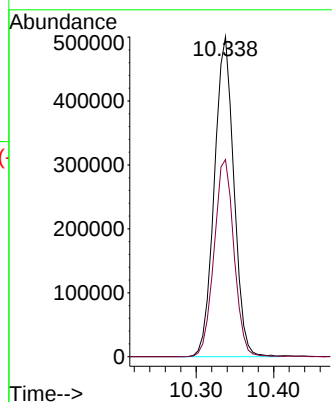
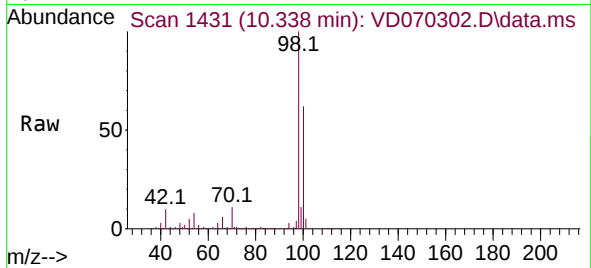




#50
Toluene-d8
Concen: 51.866 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

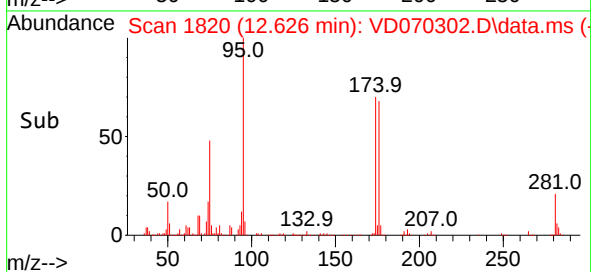
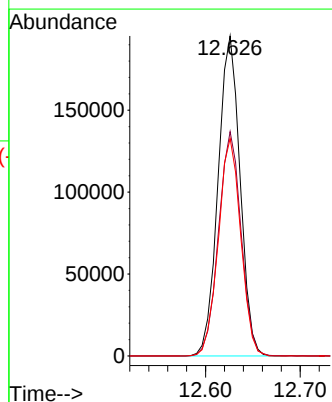
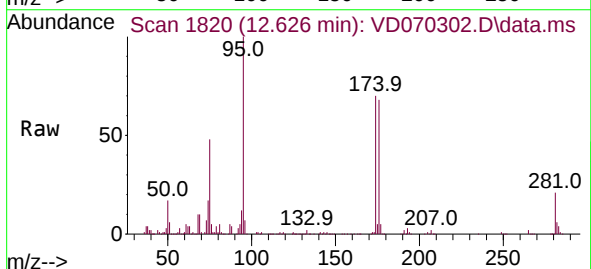
Instrument :
MSVOA_D
ClientSampled :

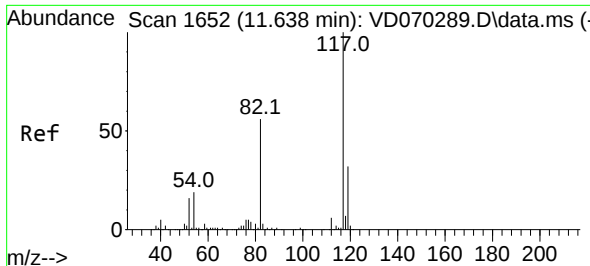
Tgt Ion: 98 Resp: 876432
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.374 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 95 Resp: 315208
Ion Ratio Lower Upper
95 100
174 71.8 0.0 140.6
176 69.2 0.0 137.4

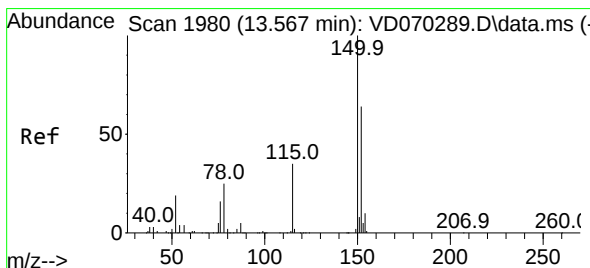
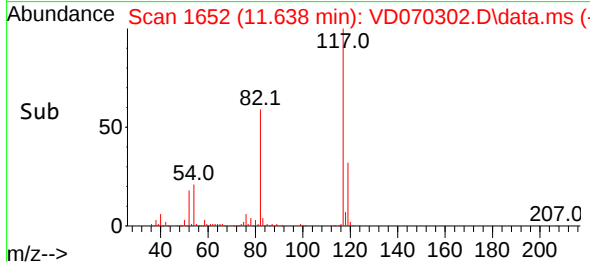
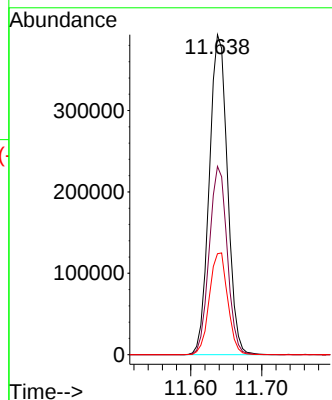
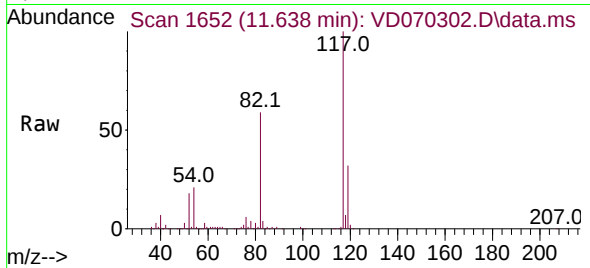




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

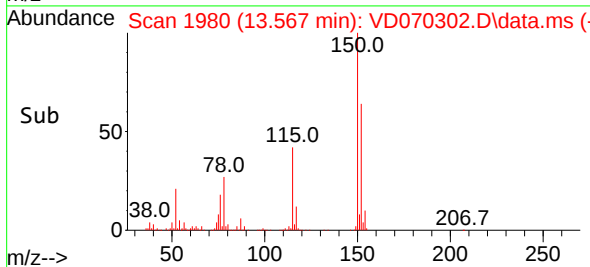
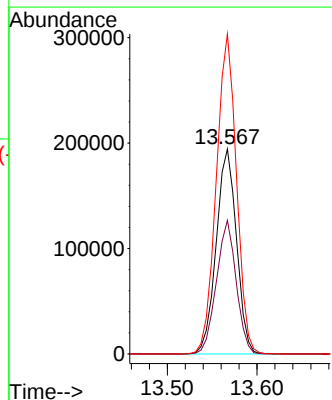
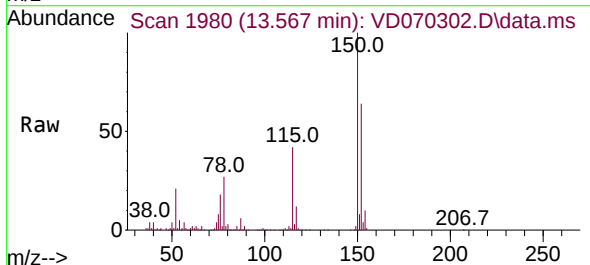
Instrument :
MSVOA_D
ClientSampled :

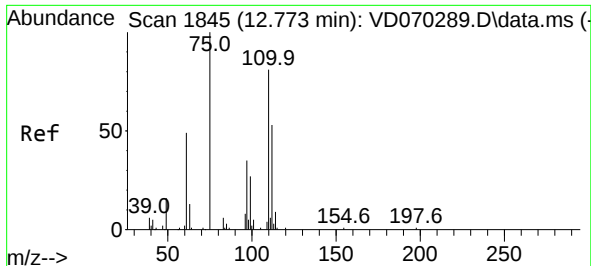
Tgt Ion:117 Resp: 698988
Ion Ratio Lower Upper
117 100
82 58.9 45.0 67.4
119 31.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion:152 Resp: 305111
Ion Ratio Lower Upper
152 100
115 63.5 32.1 96.3
150 155.2 0.0 350.6

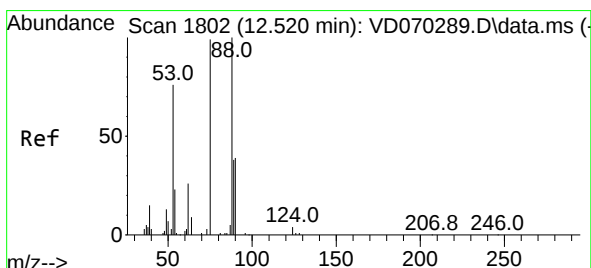
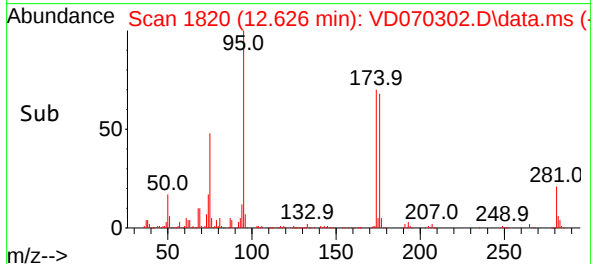
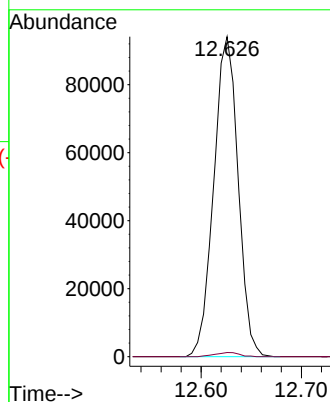
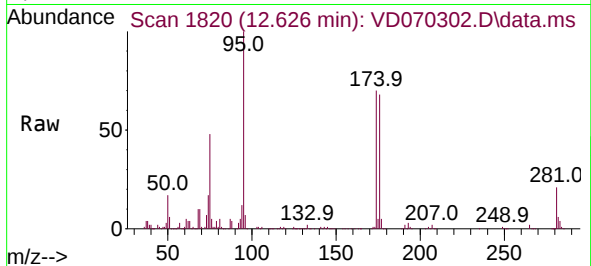




#76
1,2,3-Trichloropropane
Concen: 51.287 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 158283
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.504 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070302.D
Acq: 10 Sep 2021 16:19

Tgt Ion: 75 Resp: 158283
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.3 35.6 53.4#

