

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091521\
 Data File : VD070367.D
 Acq On : 15 Sep 2021 09:54
 Operator : VA/SY
 Sample : VD0915SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 16 02:38:39 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)

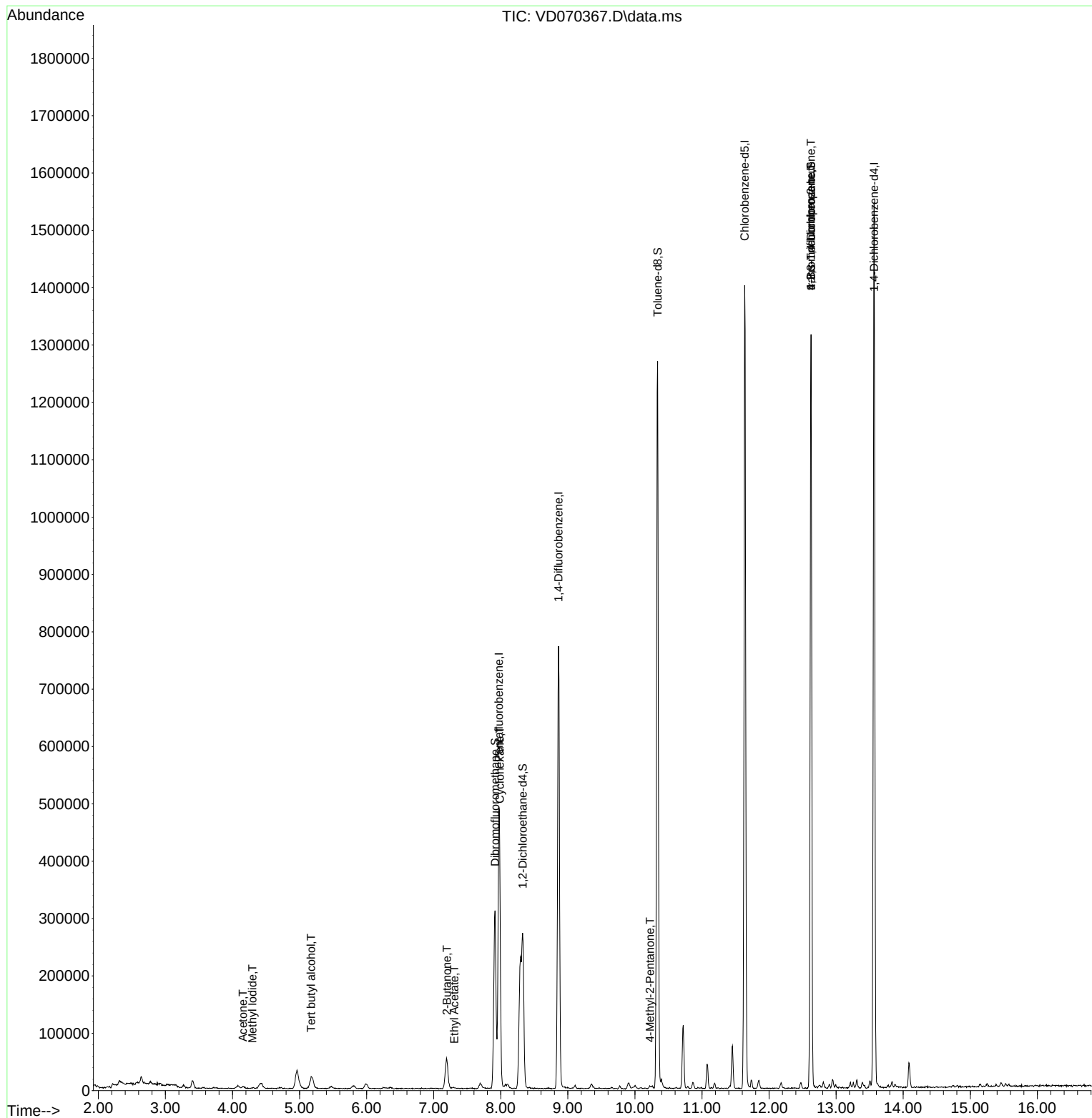
Internal Standards						
1) Pentafluorobenzene	7.973	168	336555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	659147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	828644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	394837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	199000	46.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.100%		
35) Dibromofluoromethane	7.914	113	226942	48.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.740%		
50) Toluene-d8	10.338	98	881889	51.769	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.540%		
62) 4-Bromofluorobenzene	12.626	95	400119	67.207	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	134.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1993	Below Cal		77
3) Chloromethane	2.215	50	3021	Below Cal	#	80
5) Bromomethane	2.779	94	3822	Below Cal		89
6) Chloroethane	2.920	64	1685	Below Cal		97
10) Methyl Iodide	4.297	142	2022	1.504 ug/l	#	88
11) Tert butyl alcohol	5.173	59	19116	39.123 ug/l	#	100
16) Acetone	4.156	43	5969	7.737 ug/l		89
18) Methyl Acetate	4.732	43	264	Below Cal	#	48
20) Methylene Chloride	4.961	84	25926	Below Cal		96
25) 2-Butanone	7.197	43	3401	3.311 ug/l	#	86
31) Cyclohexane	7.985	56	10857	1.458 ug/l	#	14
37) Ethyl Acetate	7.308	43	2653	1.007 ug/l	#	86
51) 4-Methyl-2-Pentanone	10.226	43	3201	1.270 ug/l		87
76) 1,2,3-Trichloropropane	12.626	75	195656	48.990 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	195656	122.748 ug/l	#	18

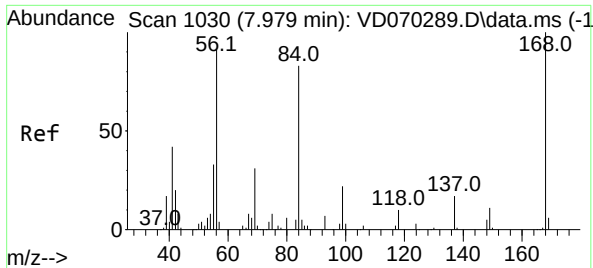
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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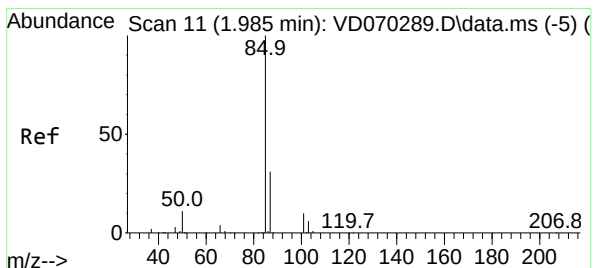
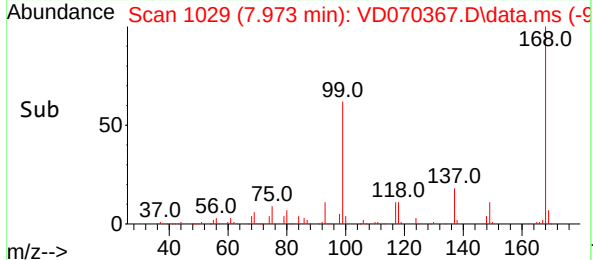
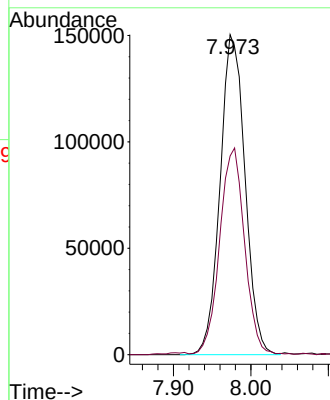
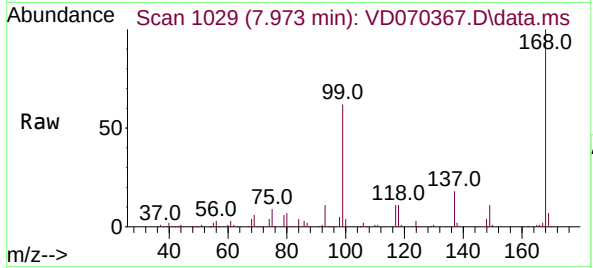




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

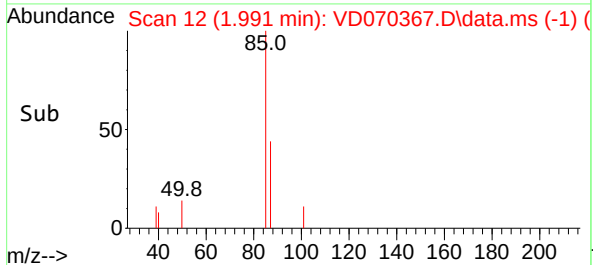
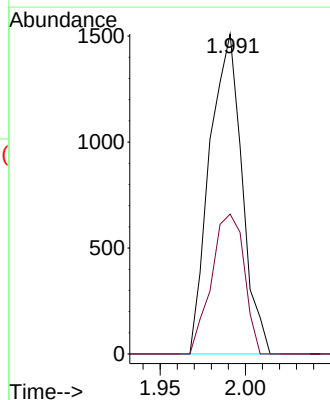
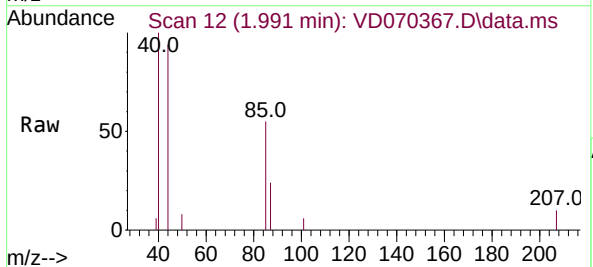
Instrument :
MSVOA_D
ClientSampleId :

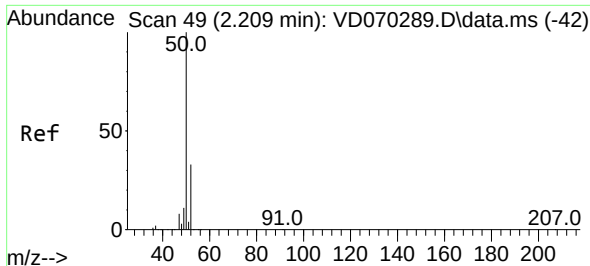
Tgt Ion:168 Resp: 336555
Ion Ratio Lower Upper
168 100
99 61.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion: 85 Resp: 1993
Ion Ratio Lower Upper
85 100
87 43.7 15.6 46.8

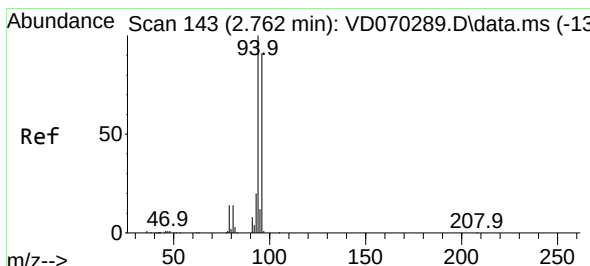
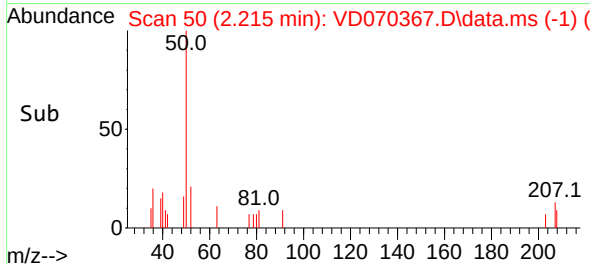
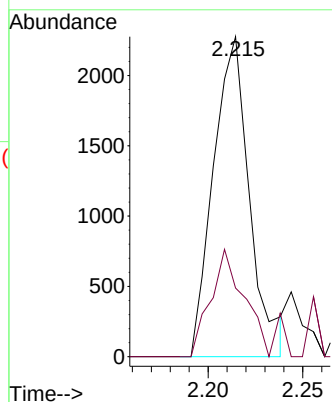
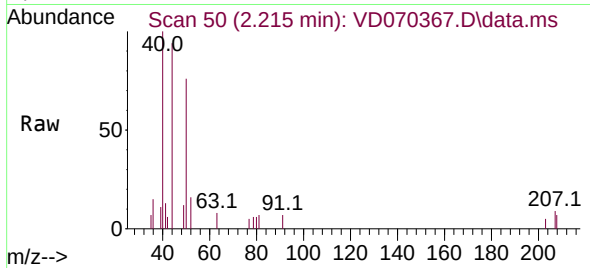




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

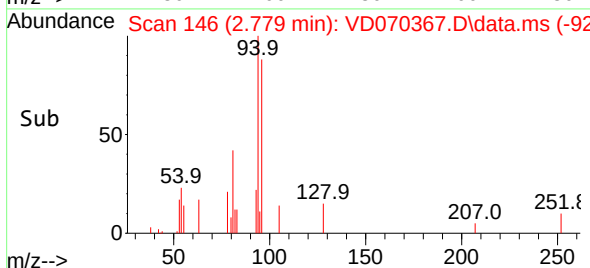
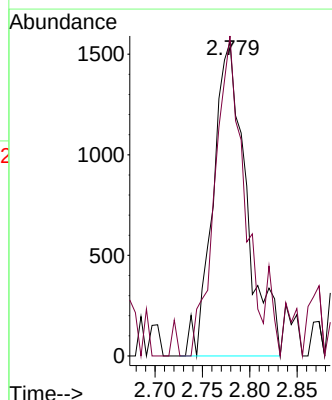
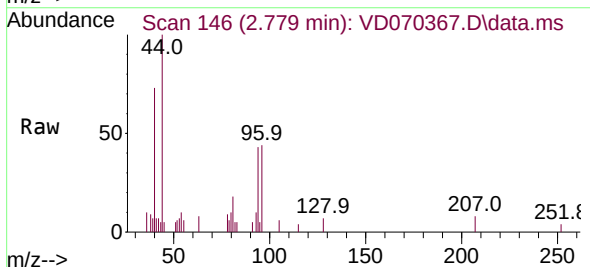
Instrument :
MSVOA_D
ClientSampled :

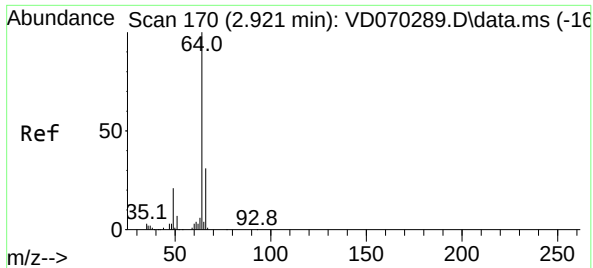
Tgt Ion: 50 Resp: 3021
Ion Ratio Lower Upper
50 100
52 21.5 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion: 94 Resp: 3822
Ion Ratio Lower Upper
94 100
96 102.0 73.0 109.6

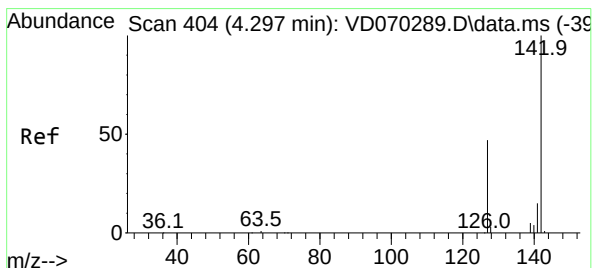
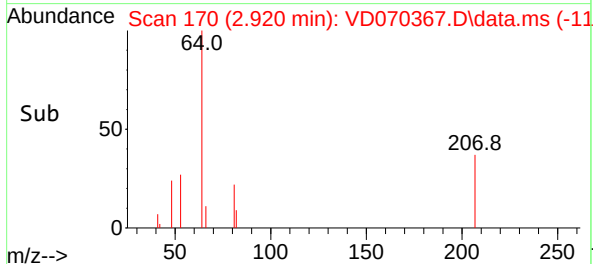
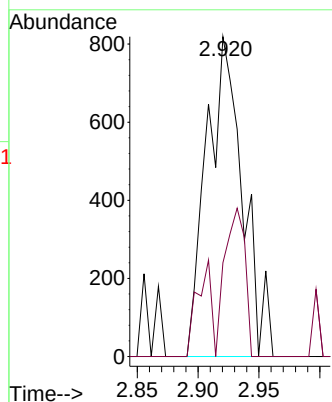
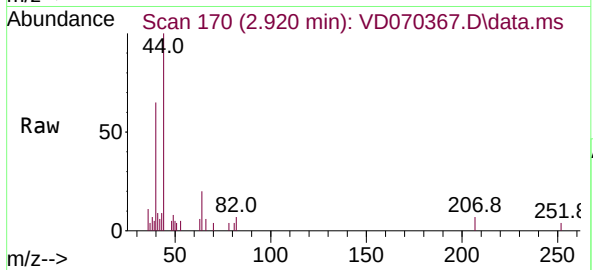




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

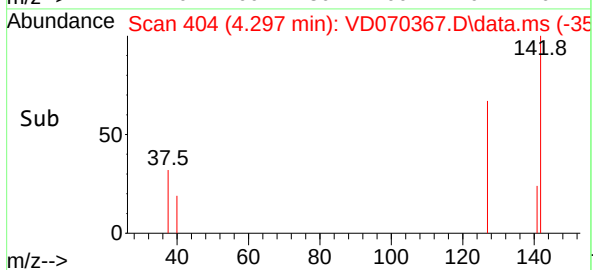
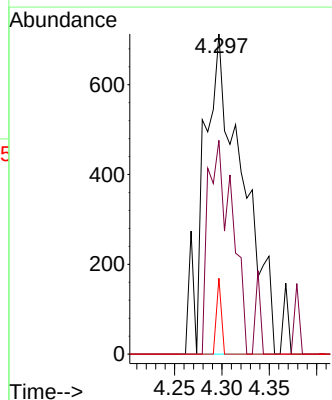
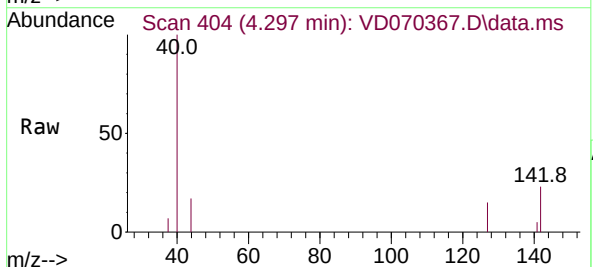
Instrument :
MSVOA_D
ClientSampled :

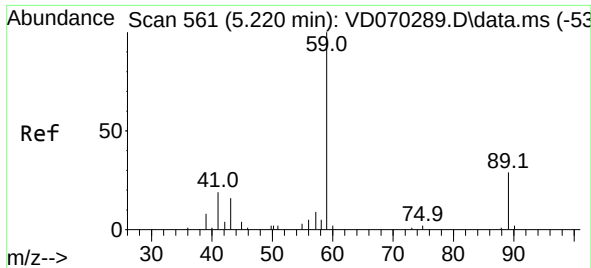
Tgt Ion: 64 Resp: 1685
Ion Ratio Lower Upper
64 100
66 29.3 25.0 37.4



#10
Methyl Iodide
Concen: 1.504 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion:142 Resp: 2022
Ion Ratio Lower Upper
142 100
127 41.6 36.9 55.3
141 3.0 11.8 17.6#

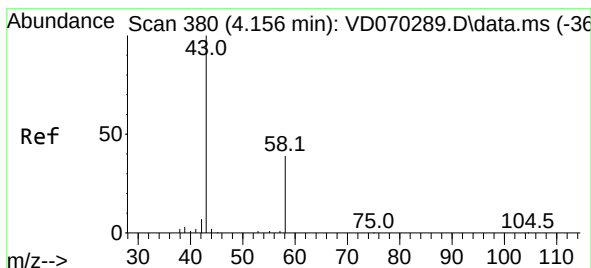
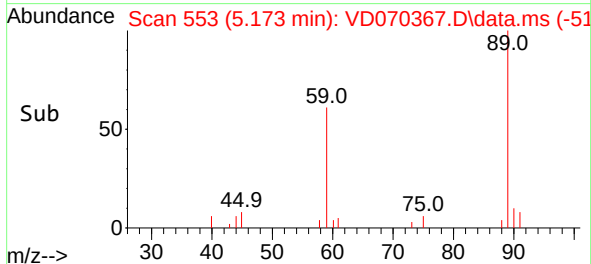
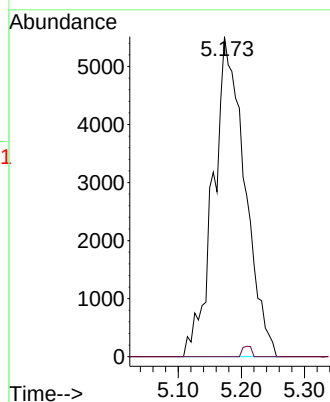
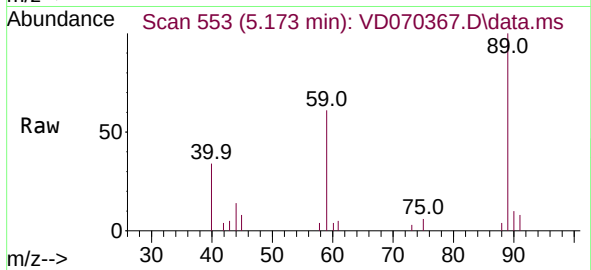




#11
Tert butyl alcohol
Concen: 39.123 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

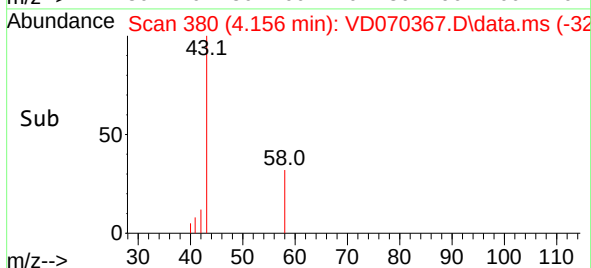
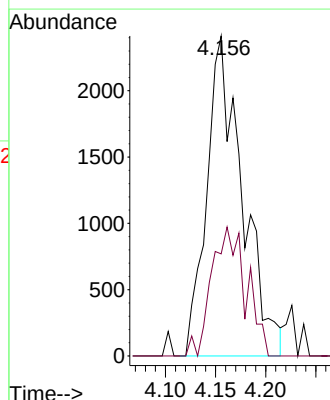
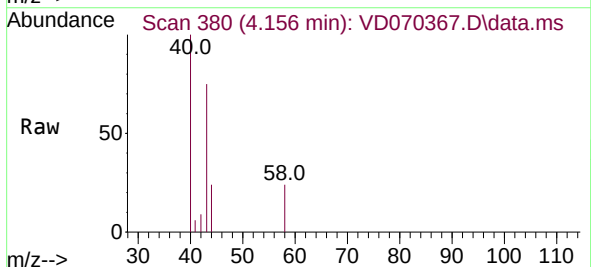
Instrument :
MSVOA_D
ClientSampleId :

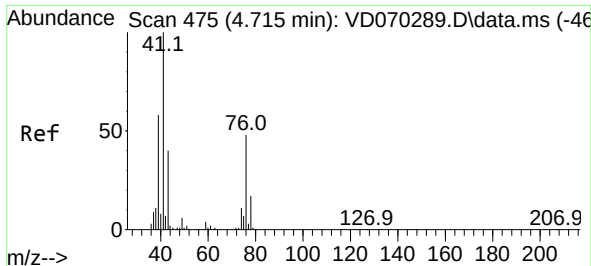
Tgt Ion: 59 Resp: 19116
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 7.737 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

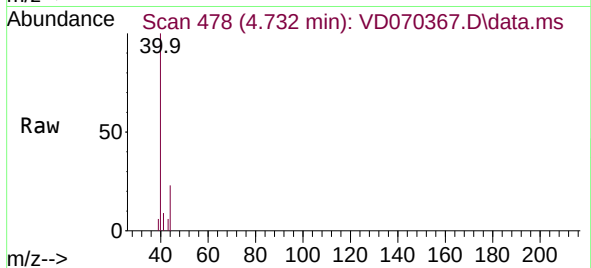
Tgt Ion: 43 Resp: 5969
Ion Ratio Lower Upper
43 100
58 31.9 30.9 46.3



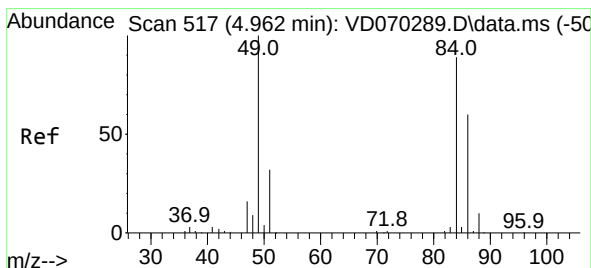
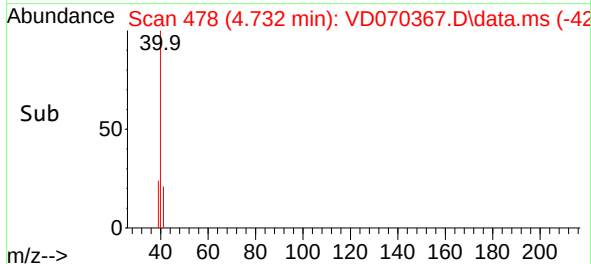
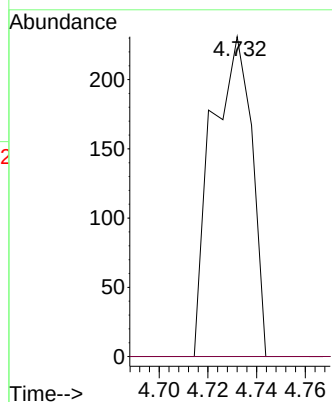


#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.017 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Instrument :
MSVOA_D
ClientSampled :

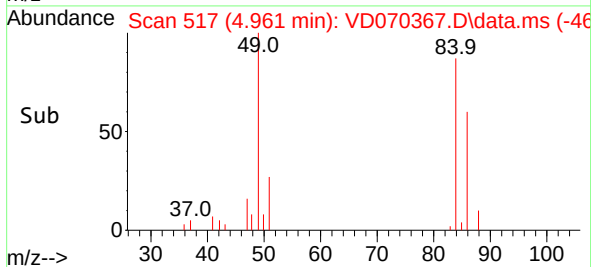
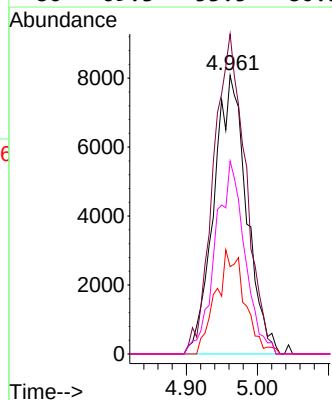
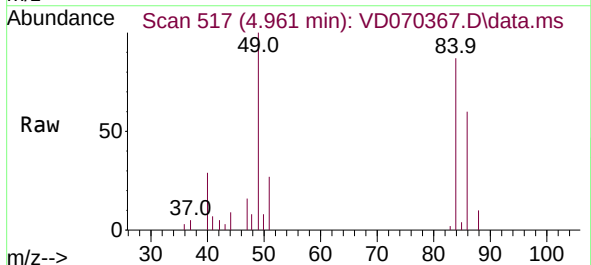


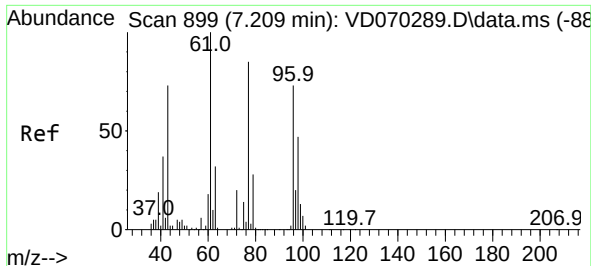
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion: 84 Resp: 25926
Ion Ratio Lower Upper
84 100
49 114.9 89.6 134.4
51 31.4 28.6 43.0
86 69.3 53.5 80.3

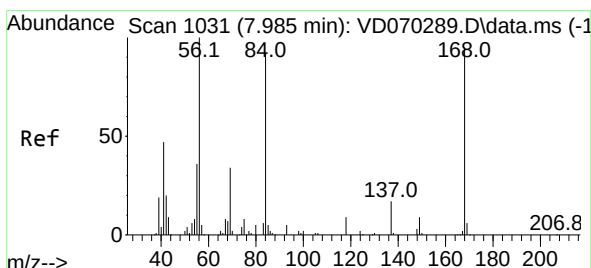
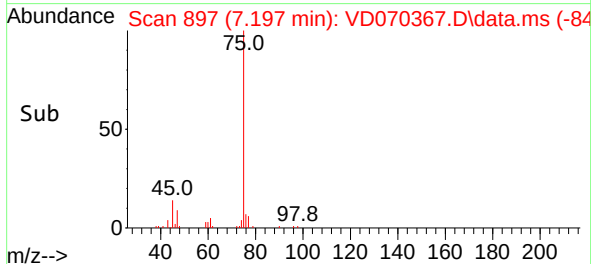
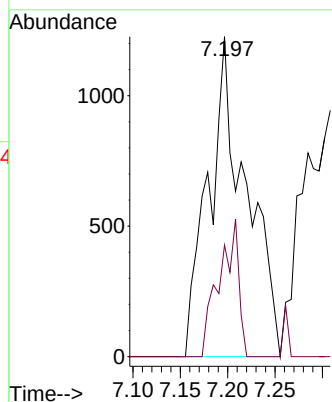
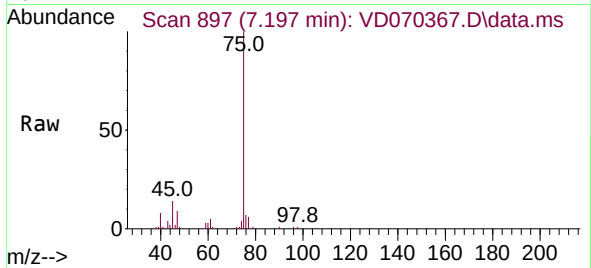




#25
2-Butanone
Concen: 3.311 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

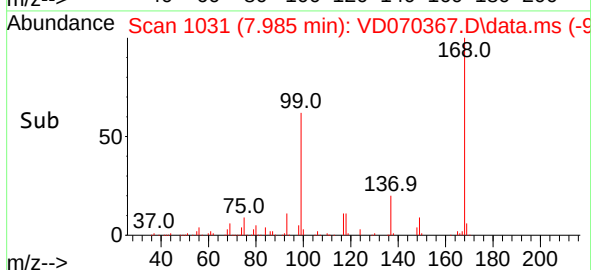
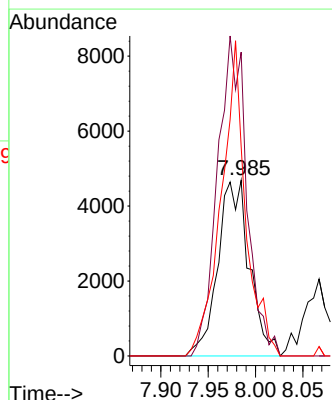
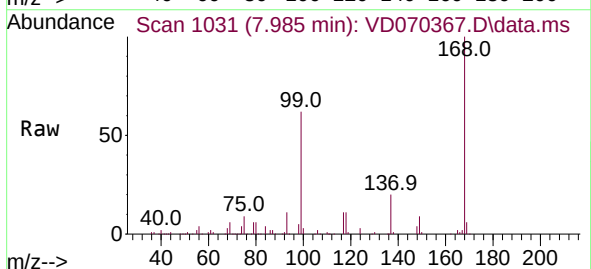
Instrument :
MSVOA_D
ClientSampled :

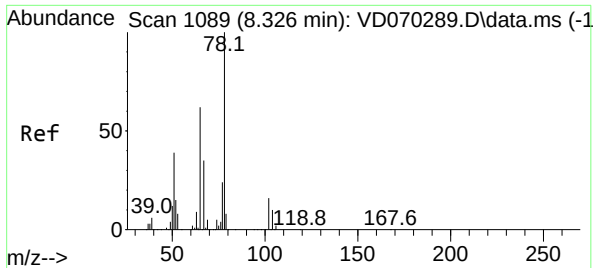
Tgt Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
72 34.9 22.2 33.4#



#31
Cyclohexane
Concen: 1.458 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion: 56 Resp: 10857
Ion Ratio Lower Upper
56 100
69 172.9 26.9 40.3#
84 119.2 73.6 110.4#



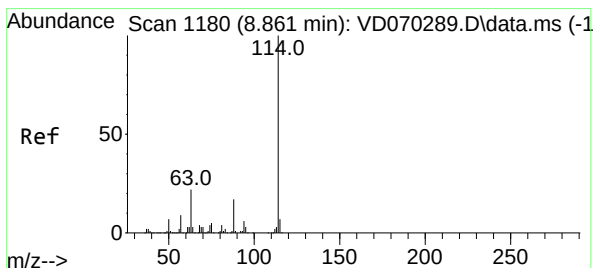
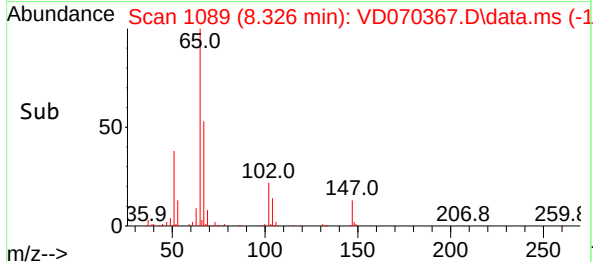
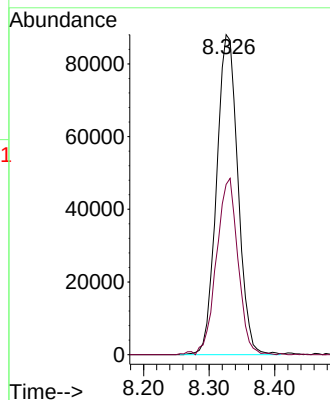
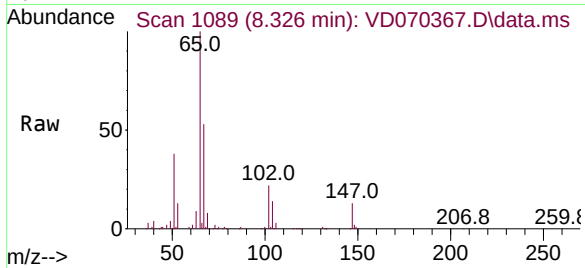


#33
 1,2-Dichloroethane-d4
 Concen: 46.049 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070367.D
 Acq: 15 Sep 2021 09:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 65 Resp: 199000

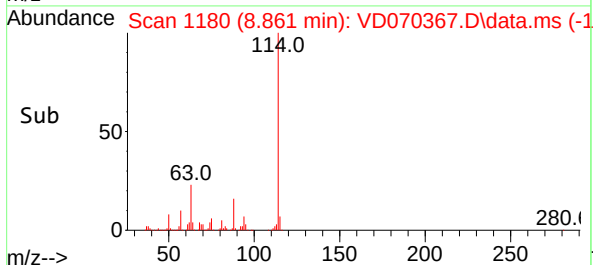
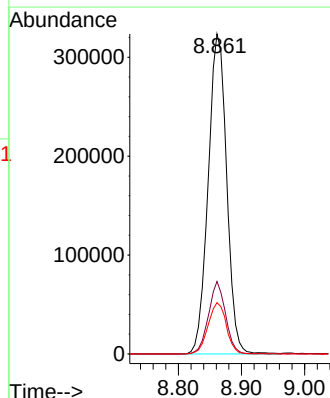
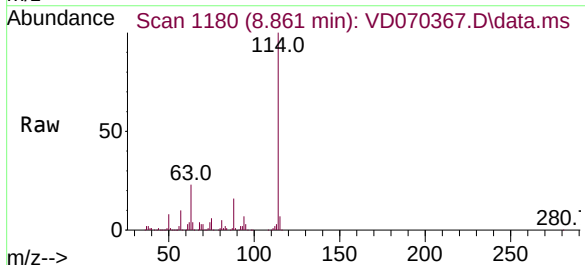
Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	111.4

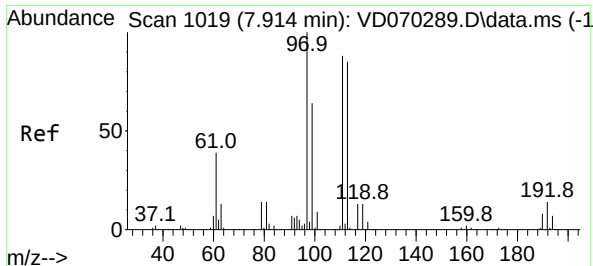


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VD070367.D
 Acq: 15 Sep 2021 09:54

Tgt Ion: 114 Resp: 659147

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.4
88	16.1	0.0	33.4





#35

Dibromofluoromethane

Concen: 48.369 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070367.D

Acq: 15 Sep 2021 09:54

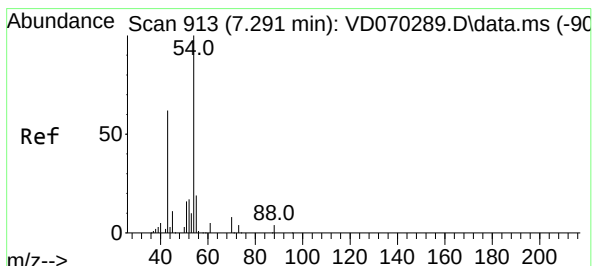
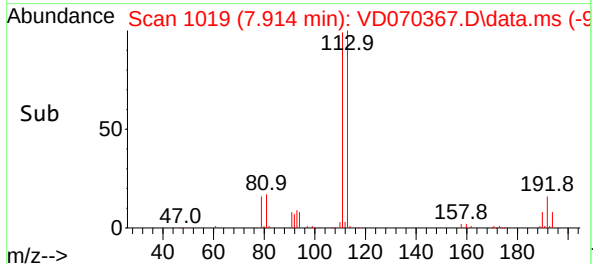
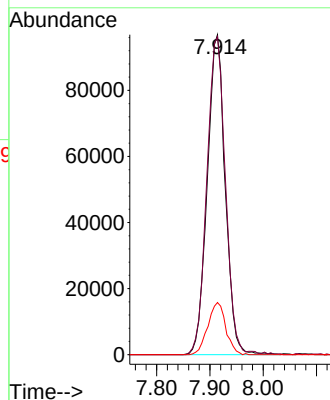
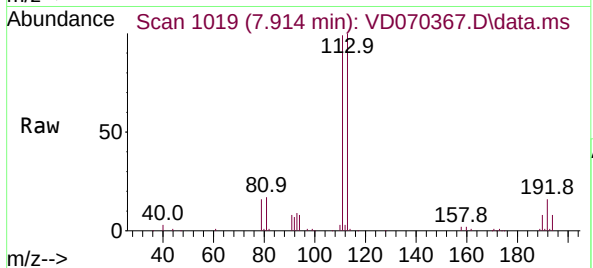
Tgt Ion:113 Resp: 226942

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 16.4 13.0 19.6



#37

Ethyl Acetate

Concen: 1.007 ug/l

RT: 7.308 min Scan# 916

Delta R.T. 0.017 min

Lab File: VD070367.D

Acq: 15 Sep 2021 09:54

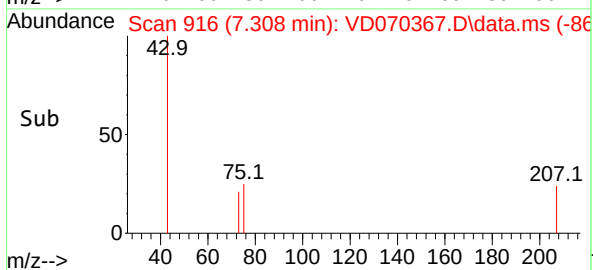
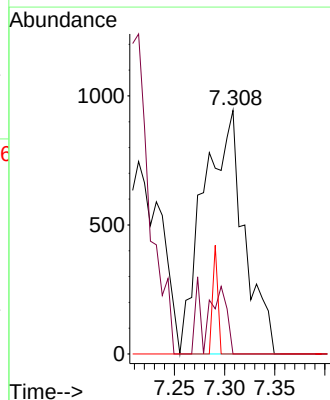
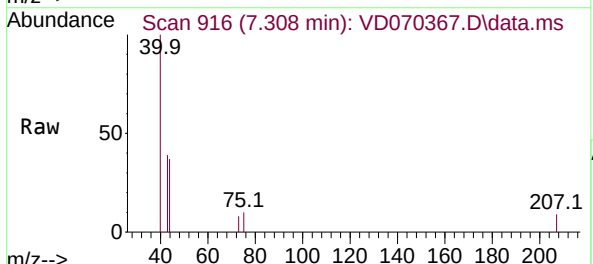
Tgt Ion: 43 Resp: 2653

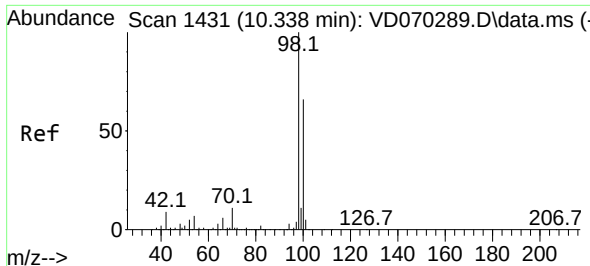
Ion Ratio Lower Upper

43 100

61 10.9 13.0 19.6#

70 5.6 9.8 14.6#

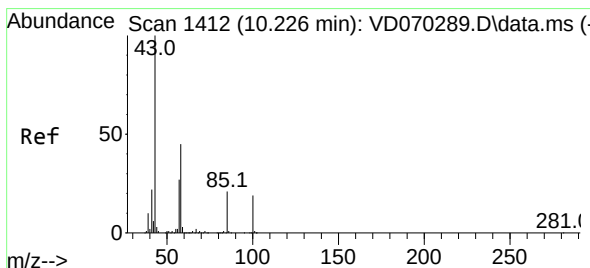
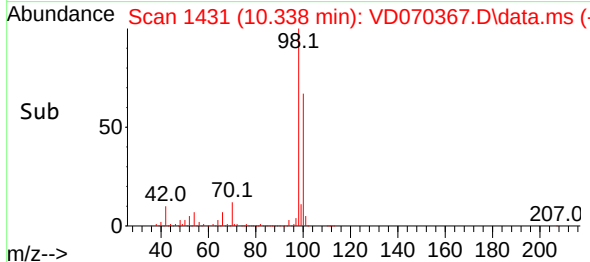
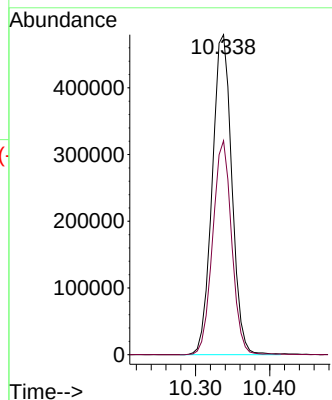
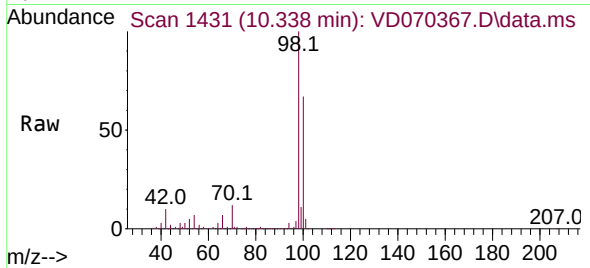




#50
Toluene-d8
Concen: 51.769 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

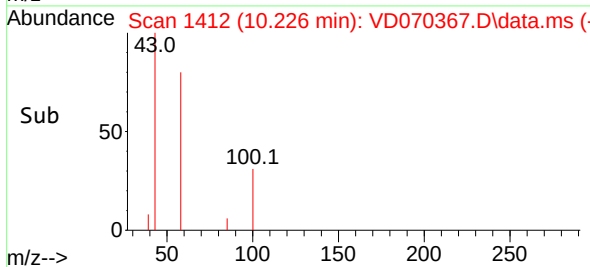
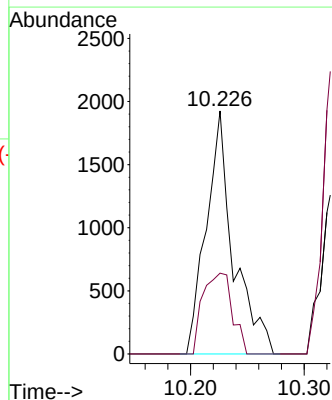
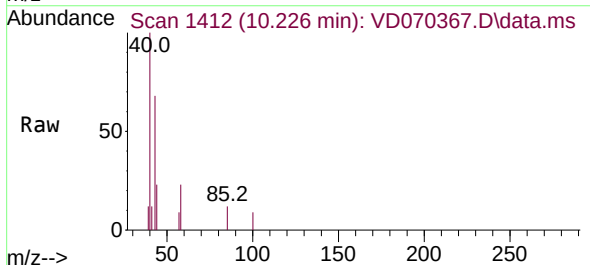
Instrument :
MSVOA_D
ClientSampled :

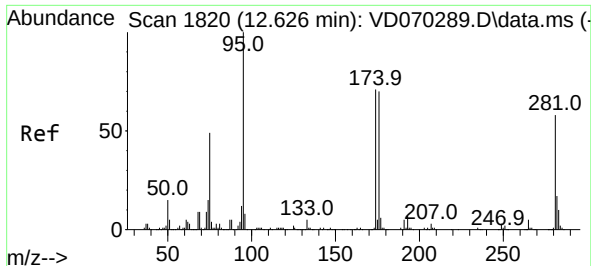
Tgt Ion: 98 Resp: 881889
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.270 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion: 43 Resp: 3201
Ion Ratio Lower Upper
43 100
58 36.1 35.4 53.2

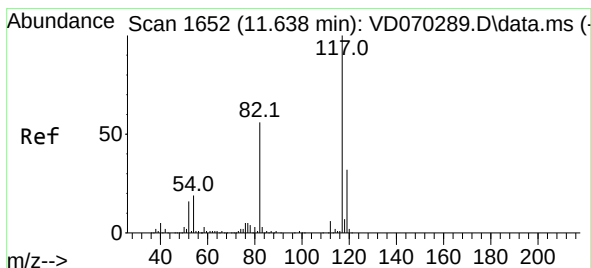
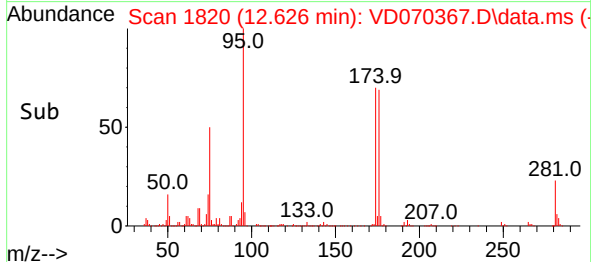
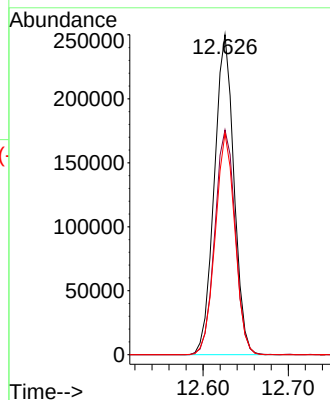
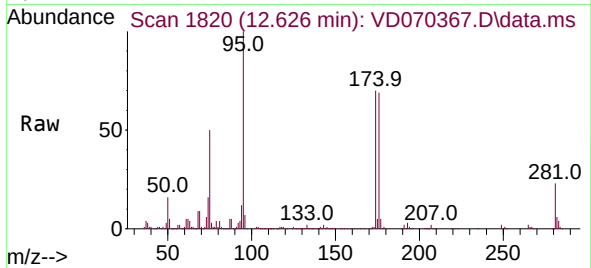




#62
4-Bromofluorobenzene
Concen: 67.207 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

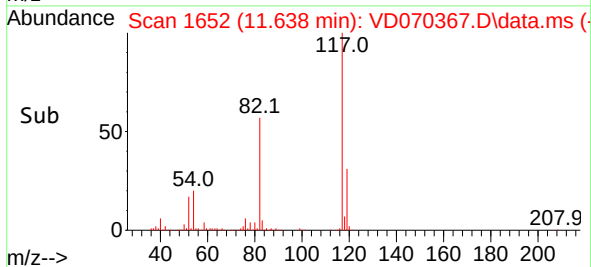
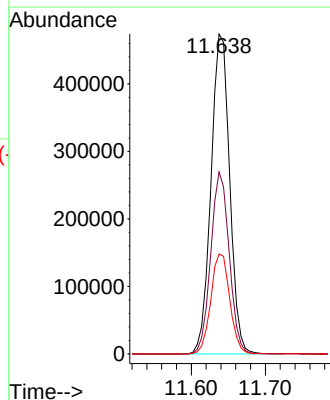
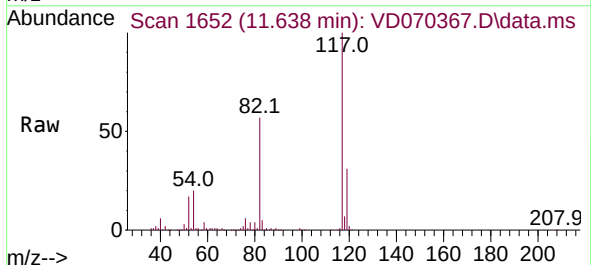
Instrument :
MSVOA_D
ClientSampleId :

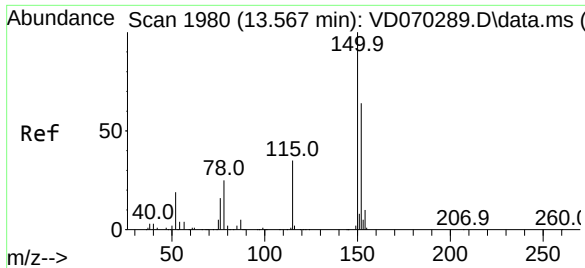
Tgt Ion: 95 Resp: 400119
Ion Ratio Lower Upper
95 100
174 72.7 0.0 140.6
176 69.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Tgt Ion: 117 Resp: 828644
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 31.3 25.2 37.8

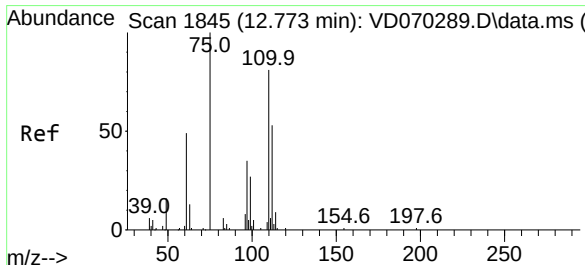
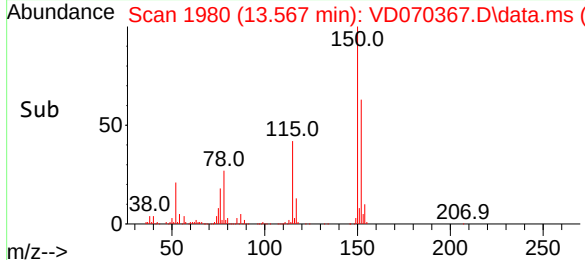
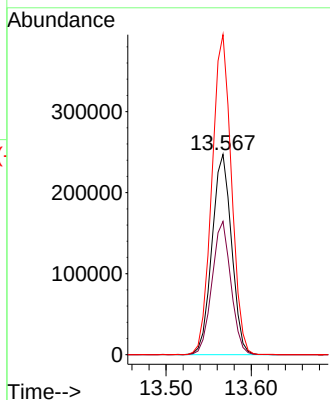
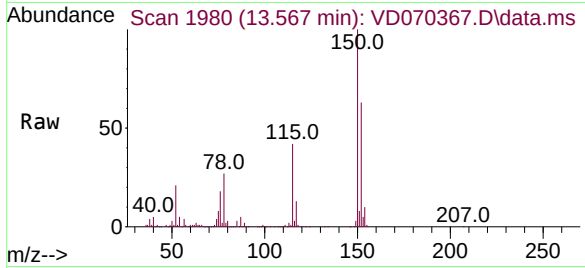




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

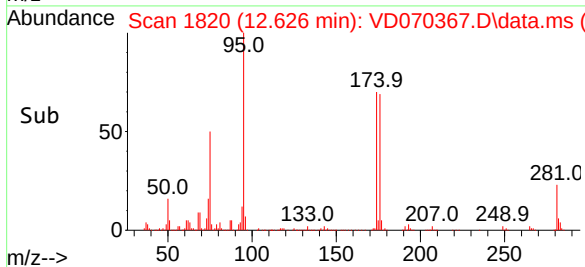
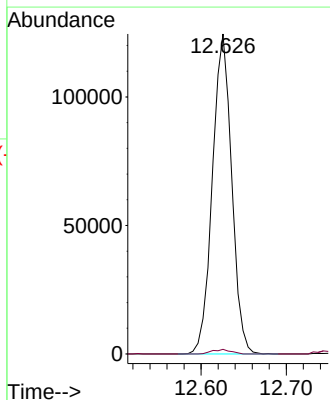
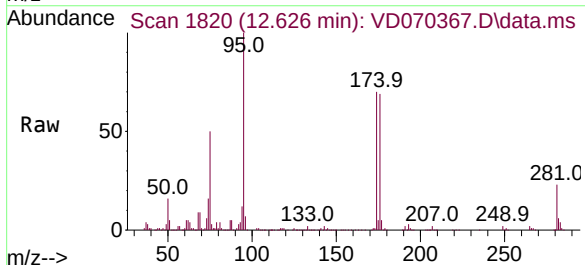
Instrument :
MSVOA_D
ClientSampleId :

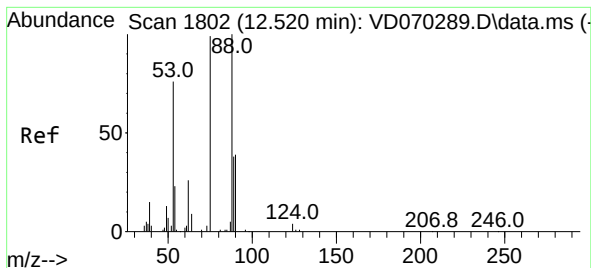
Tgt Ion:152 Resp: 394837
Ion Ratio Lower Upper
152 100
115 64.4 32.1 96.3
150 159.4 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 48.990 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

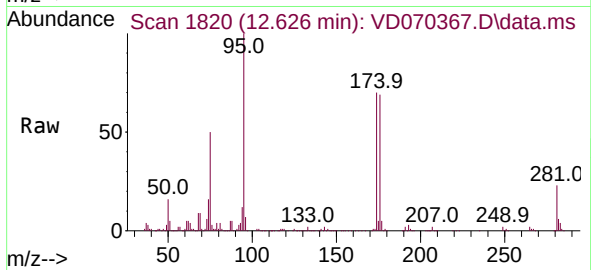
Tgt Ion: 75 Resp: 195656
Ion Ratio Lower Upper
75 100
77 1.4 174.9 524.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.748 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070367.D
Acq: 15 Sep 2021 09:54

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.2	96.2#
89	0.5	35.6	53.4#

