

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070314.D
 Acq On : 10 Sep 2021 22:02
 Operator : VA/SY
 Sample : M3684-15
 Misc : 5.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:30:21 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)

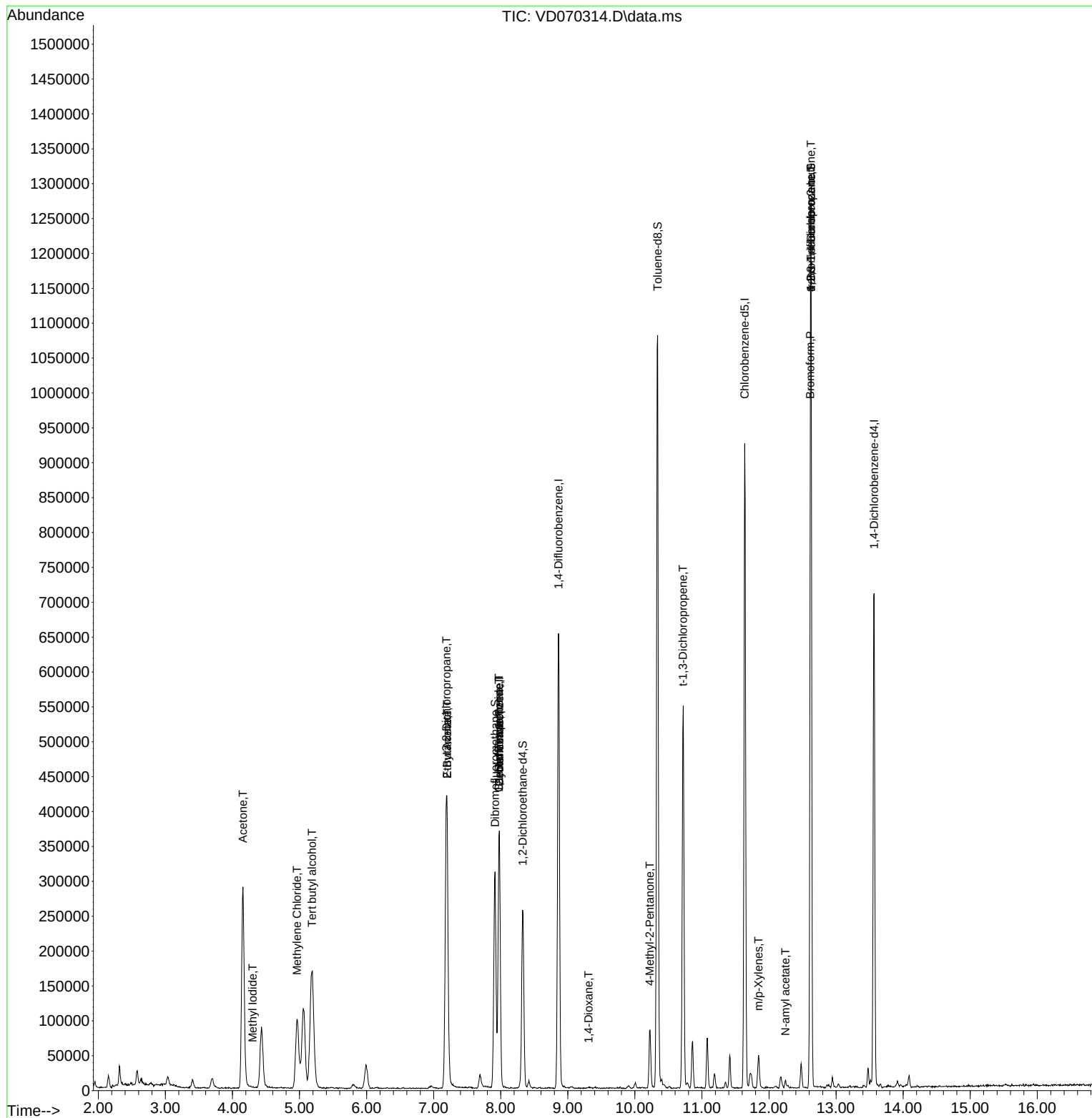
Internal Standards						
1) Pentafluorobenzene	7.979	168	262963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	562153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	533171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	186378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205107	60.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.500%			
35) Dibromofluoromethane	7.914	113	226139	56.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.020%			
50) Toluene-d8	10.338	98	749652	51.599	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.626	95	229718	45.242	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.480%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	830	Below Cal		97
5) Bromomethane	2.779	94	1722	Below Cal	#	29
6) Chloroethane	2.920	64	72	Below Cal	#	43
10) Methyl Iodide	4.303	142	322	1.126	ug/l #	39
11) Tert butyl alcohol	5.185	59	176334	461.880	ug/l #	100
16) Acetone	4.156	43	493203	818.153	ug/l	95
20) Methylene Chloride	4.962	84	81044	16.743	ug/l	96
25) 2-Butanone	7.203	43	33295	41.491	ug/l	90
26) 2,2-Dichloropropane	7.191	77	28241	5.128	ug/l #	51
31) Cyclohexane	7.979	56	6150	1.057	ug/l #	6
36) 1,1-Dichloropropene	7.973	75	25513	4.246	ug/l #	47
37) Ethyl Acetate	7.203	43	33295	14.818	ug/l #	13
38) Carbon Tetrachloride	7.973	117	28344	4.770	ug/l #	18
49) 1,4-Dioxane	9.308	88	60	2.518	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	56512	26.288	ug/l	94
53) t-1,3-Dichloropropene	10.714	75	7811	1.496	ug/l #	63
68) m/p-Xylenes	11.844	106	14311	1.945	ug/l	97
71) Bromoform	12.614	173	2137	1.069	ug/l #	1
74) N-amyl acetate	12.244	43	6935	2.435	ug/l #	43
76) 1,2,3-Trichloropropane	12.626	75	119861	63.579	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	119861	159.302	ug/l #	19

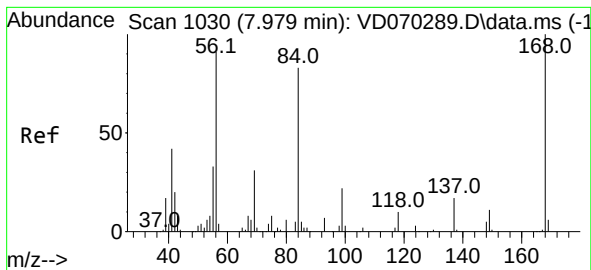
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
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: VD070314.D

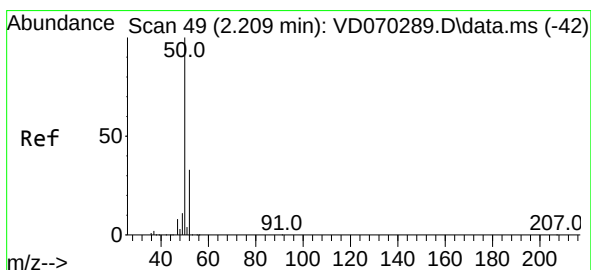
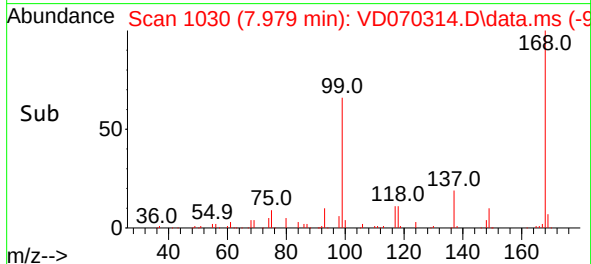
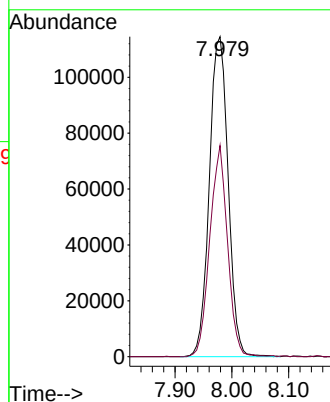
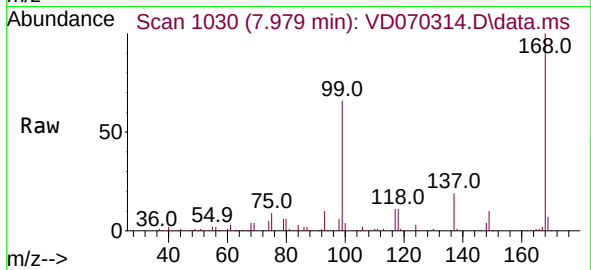
Acq: 10 Sep 2021 22:02

Tgt Ion:168 Resp: 262963

Ion Ratio Lower Upper

168 100

99 66.0 50.8 76.2



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD070314.D

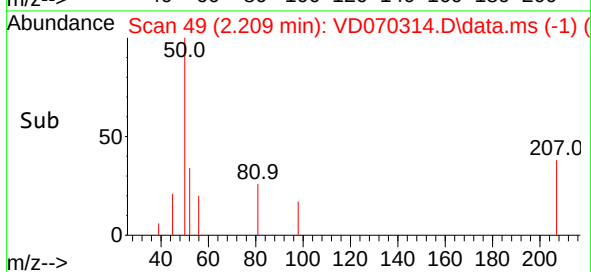
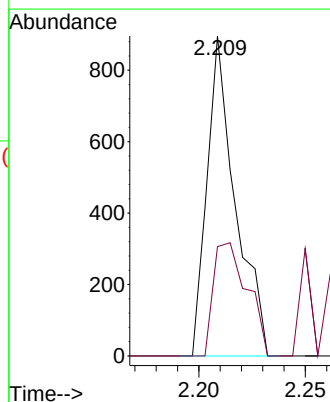
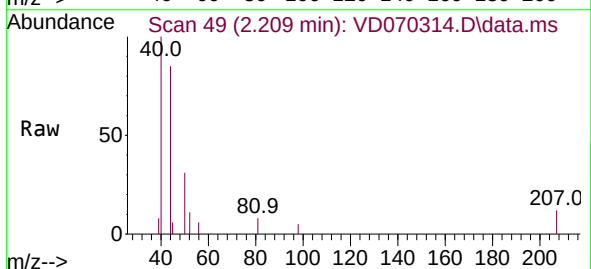
Acq: 10 Sep 2021 22:02

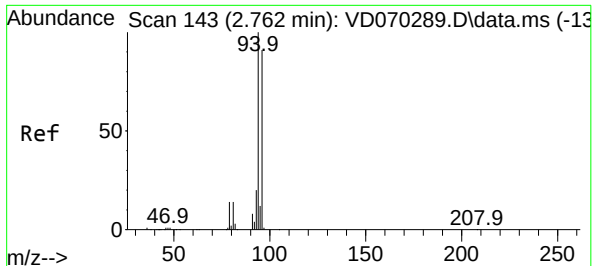
Tgt Ion: 50 Resp: 830

Ion Ratio Lower Upper

50 100

52 34.2 26.2 39.2

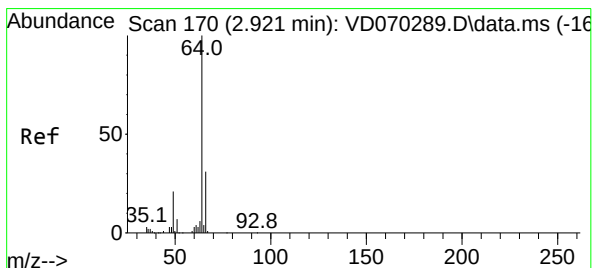
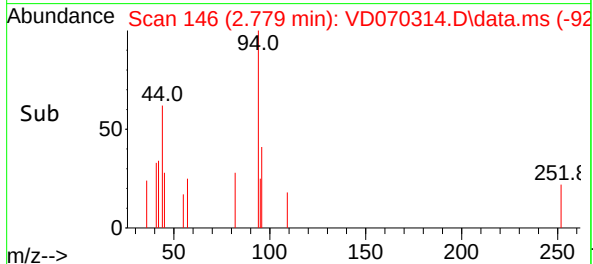
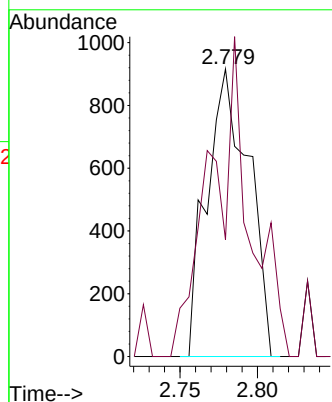
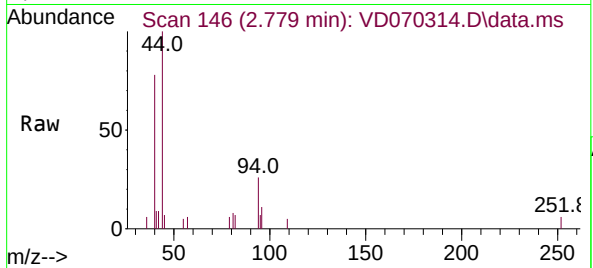




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

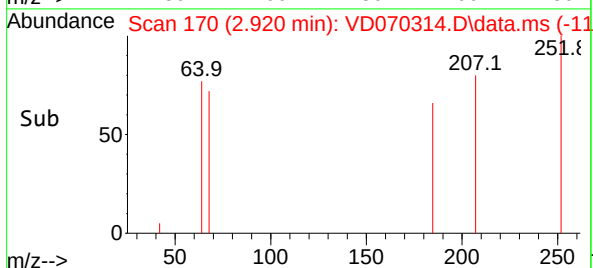
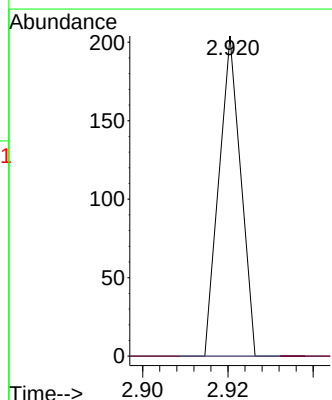
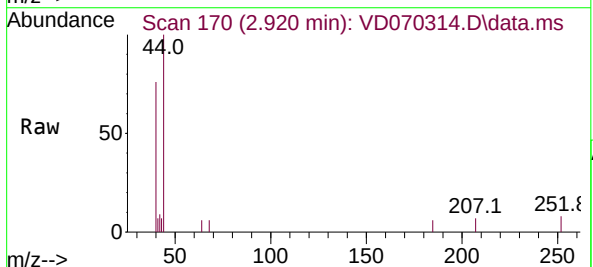
Instrument :
MSVOA_D
ClientSampled :

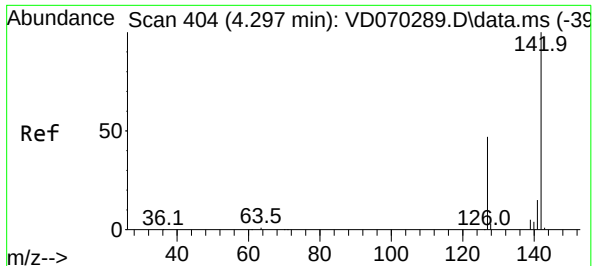
Tgt Ion: 94 Resp: 1722
Ion Ratio Lower Upper
94 100
96 23.9 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

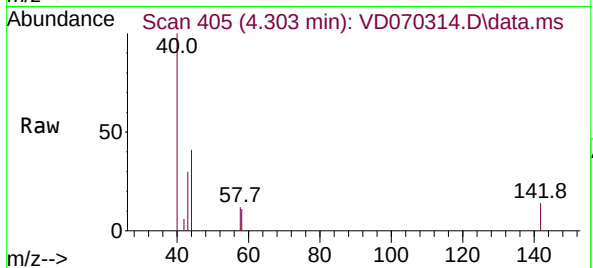
Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



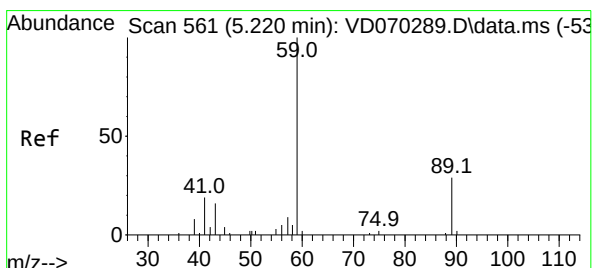
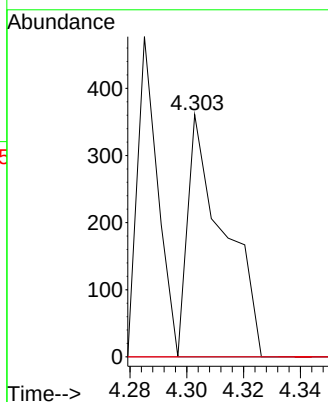
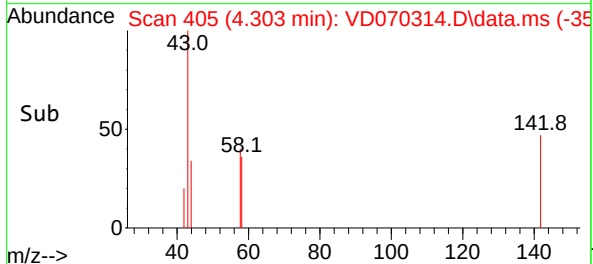


#10
Methyl Iodide
Concen: 1.126 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

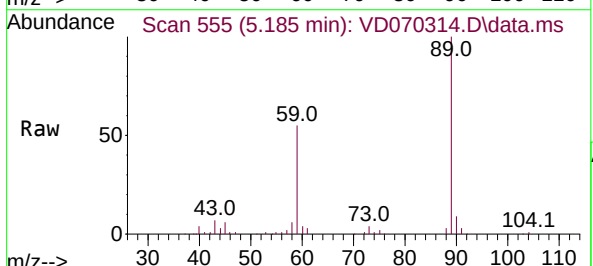
Instrument :
MSVOA_D
ClientSampleId :



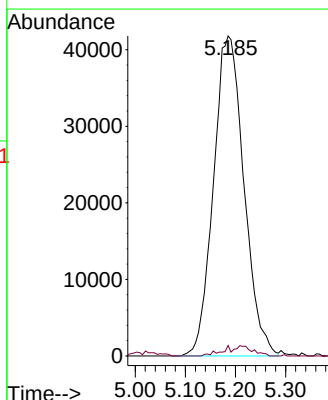
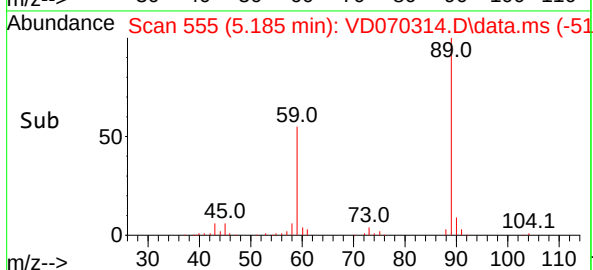
Tgt Ion:142 Resp: 322
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

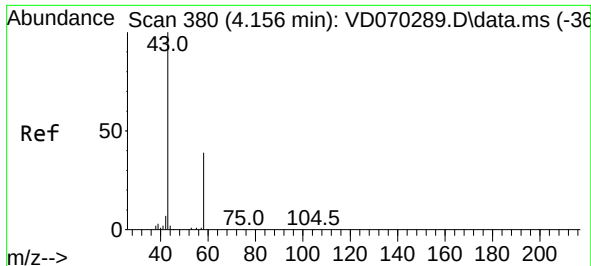


#11
Tert butyl alcohol
Concen: 461.880 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02



Tgt Ion: 59 Resp: 176334
Ion Ratio Lower Upper
59 100
57 1.0 0.0 0.0#

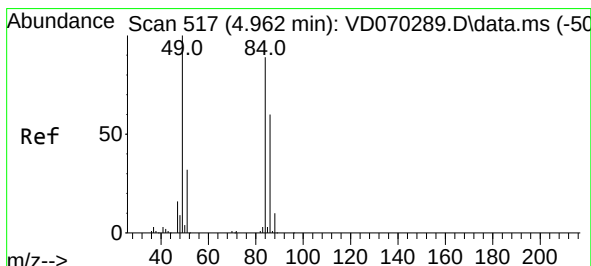
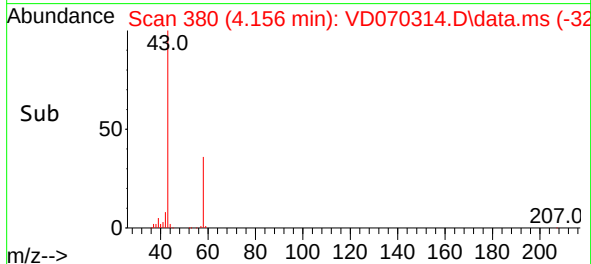
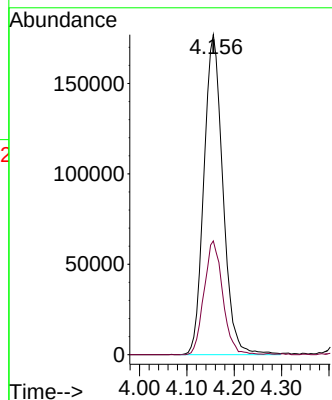
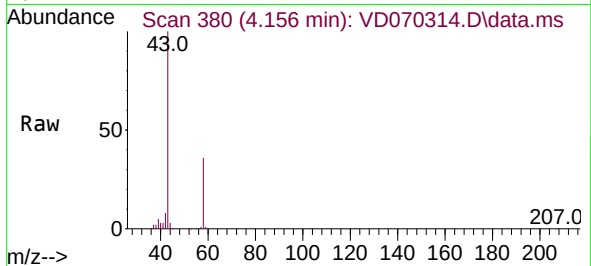




#16
Acetone
Concen: 818.153 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

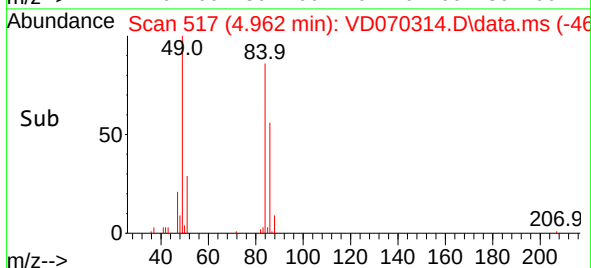
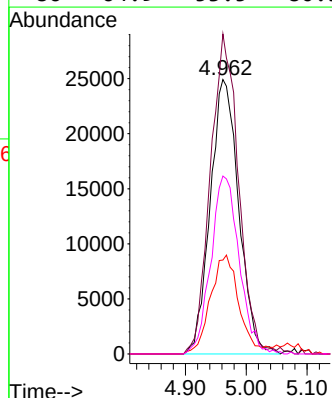
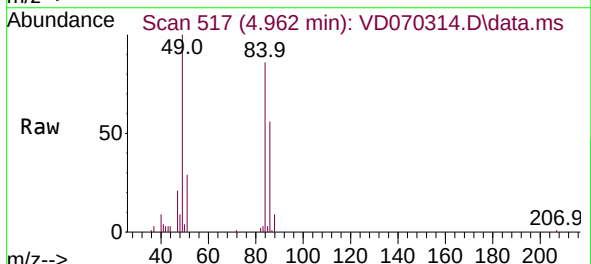
Instrument :
MSVOA_D
ClientSampleId :

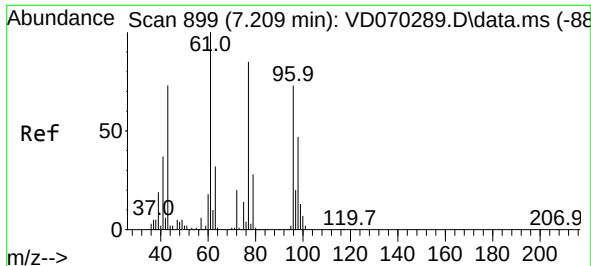
Tgt Ion: 43 Resp: 493203
Ion Ratio Lower Upper
43 100
58 35.6 30.9 46.3



#20
Methylene Chloride
Concen: 16.743 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

Tgt Ion: 84 Resp: 81044
Ion Ratio Lower Upper
84 100
49 116.6 89.6 134.4
51 34.2 28.6 43.0
86 64.9 53.5 80.3

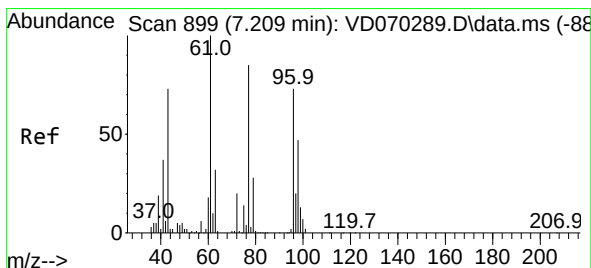
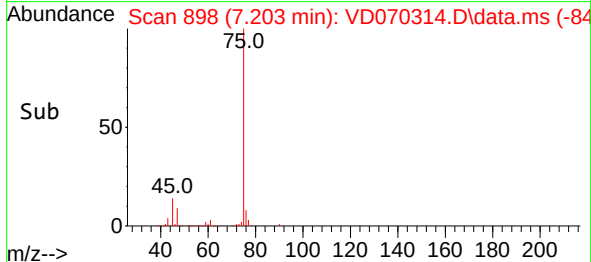
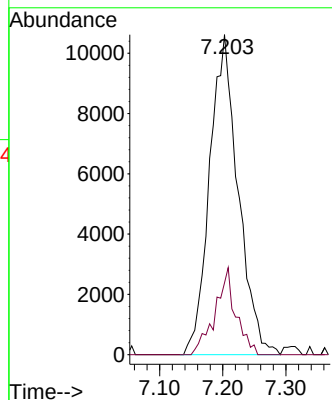
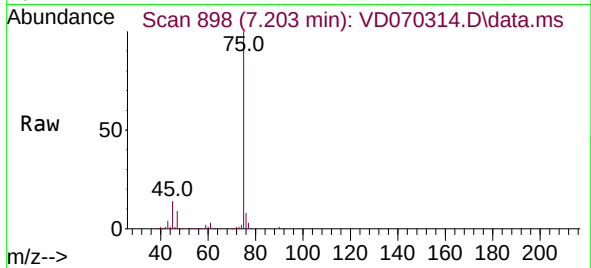




#25
2-Butanone
Concen: 41.491 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

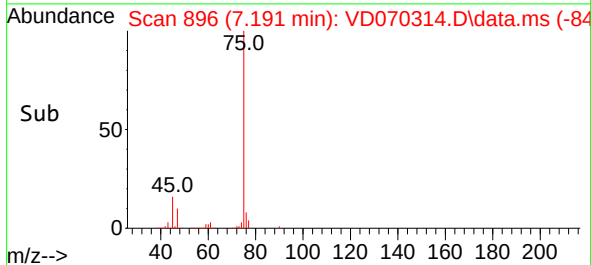
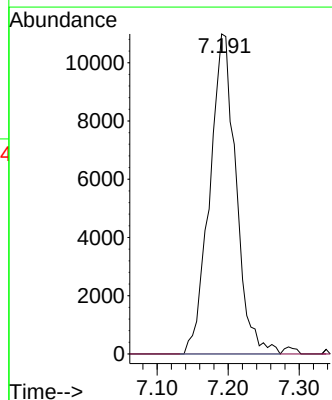
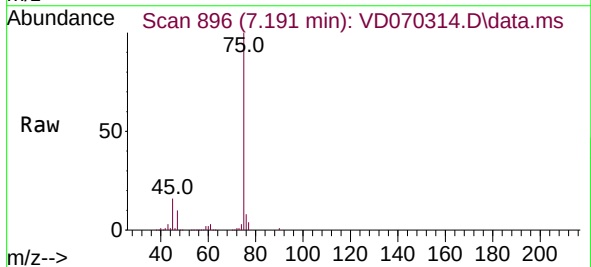
Instrument :
MSVOA_D
ClientSampled :

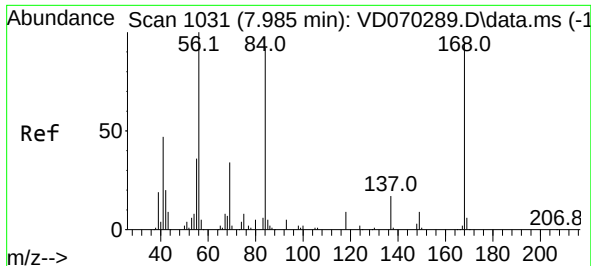
Tgt Ion: 43 Resp: 33295
Ion Ratio Lower Upper
43 100
72 22.4 22.2 33.4



#26
2,2-Dichloropropane
Concen: 5.128 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

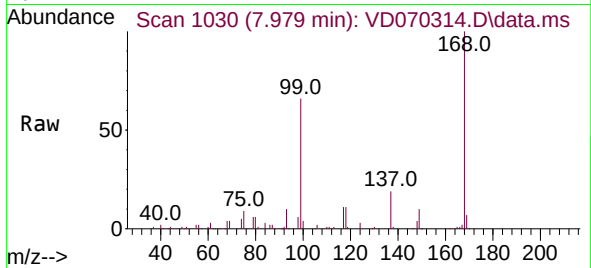
Tgt Ion: 77 Resp: 28241
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.9#



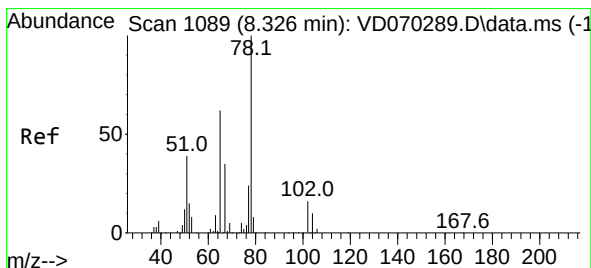
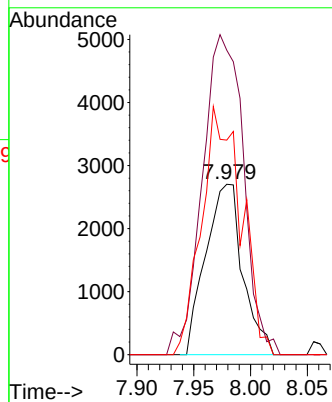
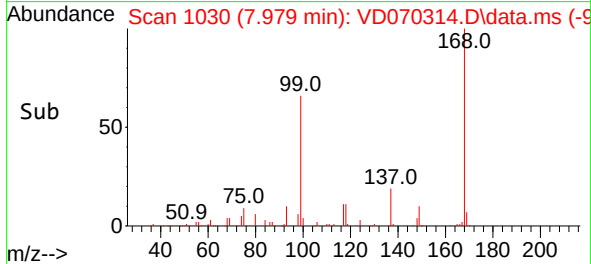


#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

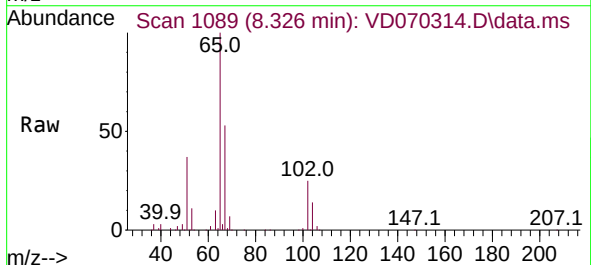
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ClientSampleId :



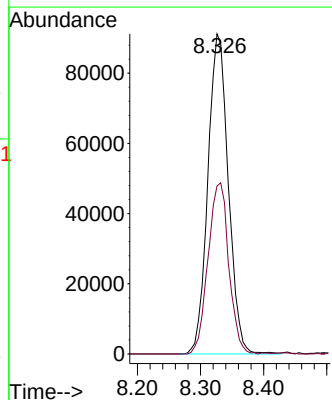
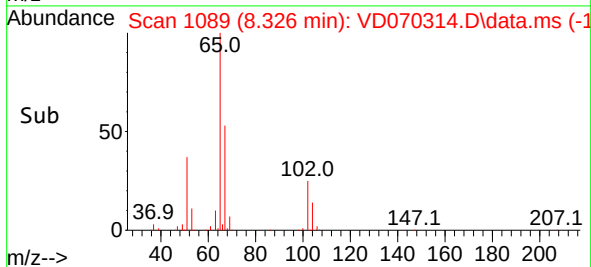
Tgt Ion: 56 Resp: 6150
Ion Ratio Lower Upper
56 100
69 178.7 26.9 40.3#
84 125.9 73.6 110.4#

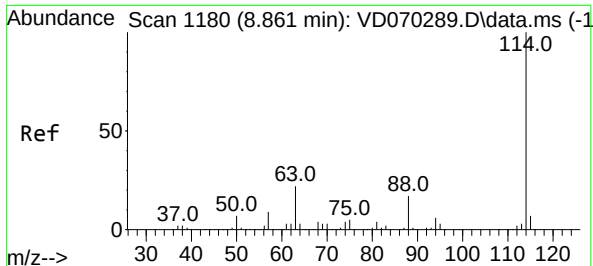


#33
1,2-Dichloroethane-d4
Concen: 60.745 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02



Tgt Ion: 65 Resp: 205107
Ion Ratio Lower Upper
65 100
67 54.1 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: VD070314.D

Acq: 10 Sep 2021 22:02

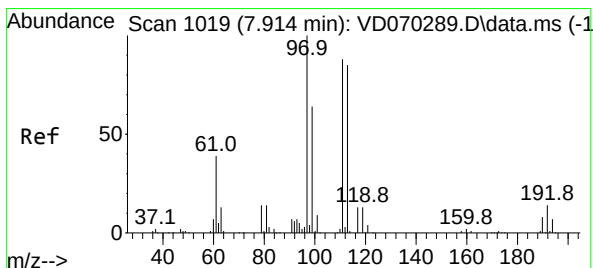
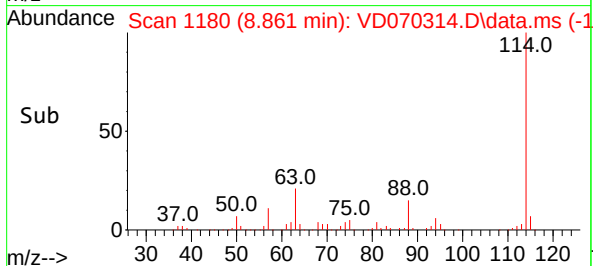
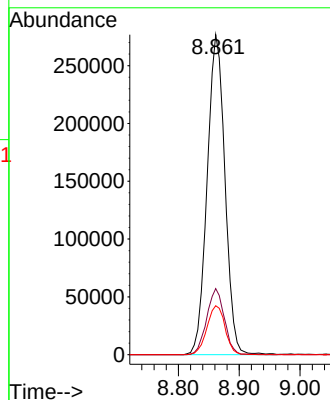
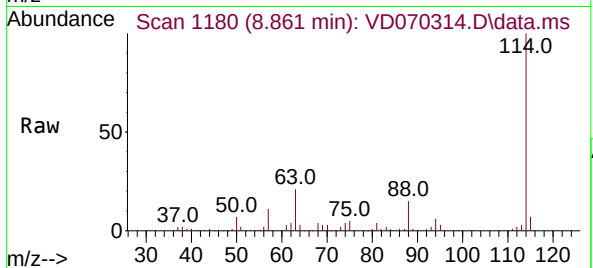
Tgt Ion:114 Resp: 562153

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.4

88 15.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 56.514 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070314.D

Acq: 10 Sep 2021 22:02

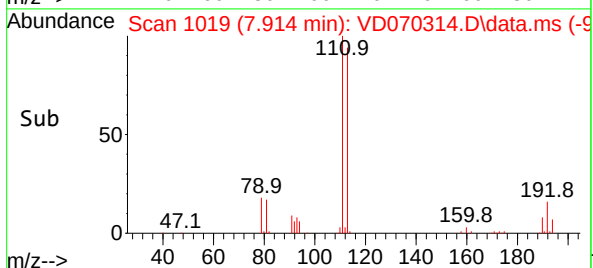
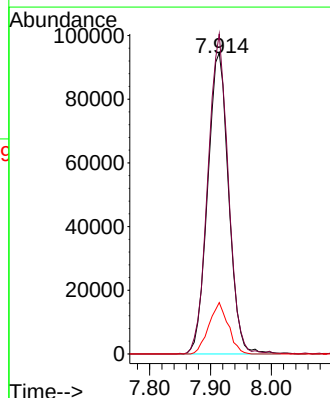
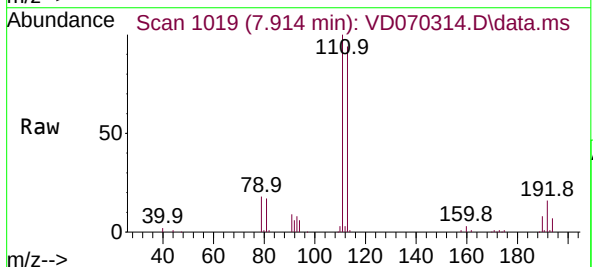
Tgt Ion:113 Resp: 226139

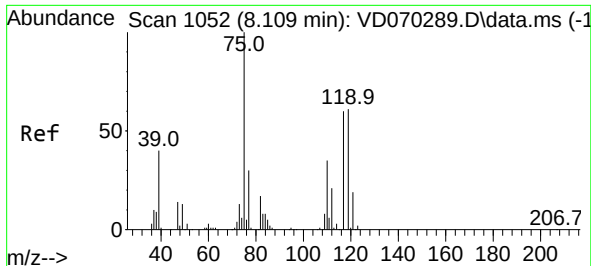
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.2

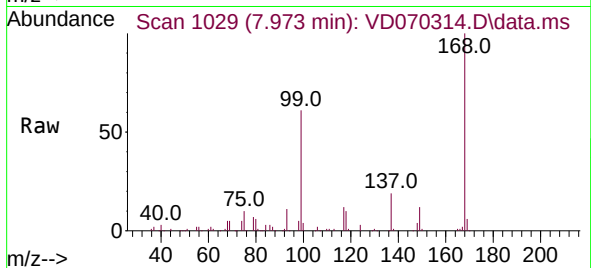
192 15.8 13.0 19.6



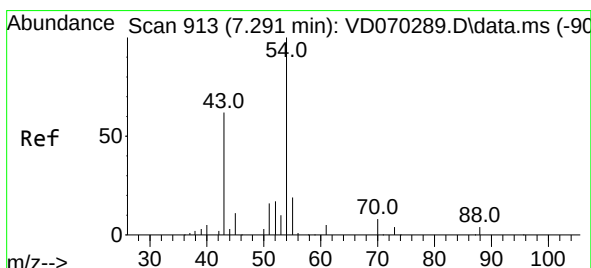
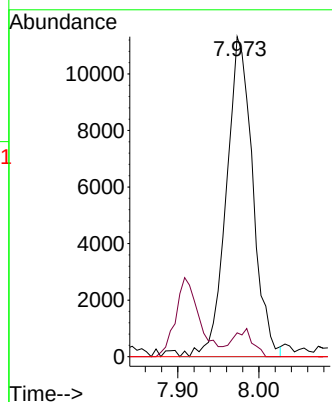
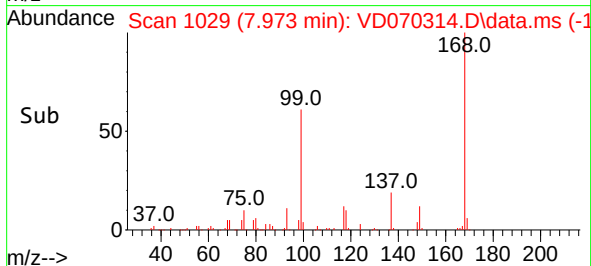


#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

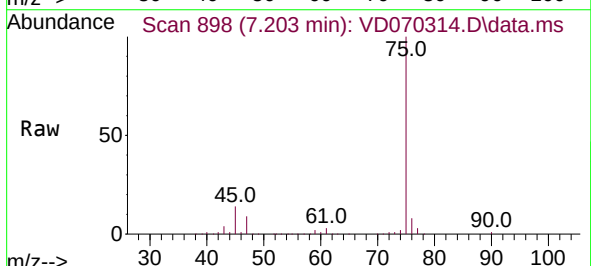
Instrument :
MSVOA_D
ClientSampleId :



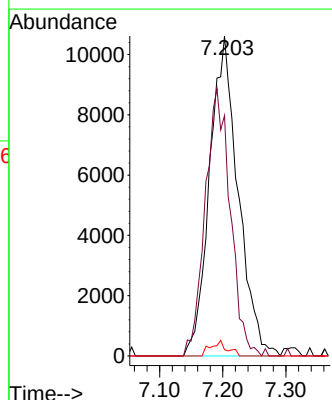
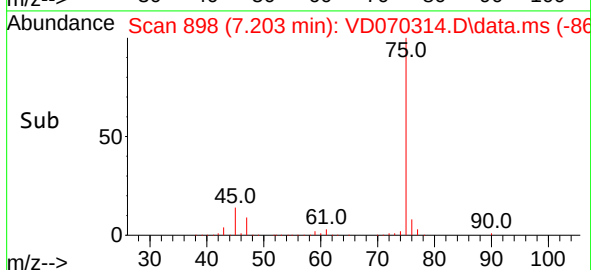
Tgt Ion: 75 Resp: 25513
Ion Ratio Lower Upper
75 100
110 6.6 17.9 53.7#
77 0.0 25.3 37.9#

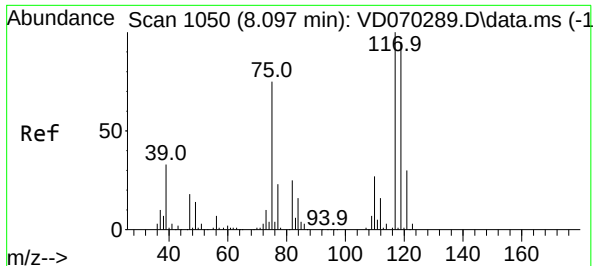


#37
Ethyl Acetate
Concen: 14.818 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.088 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02



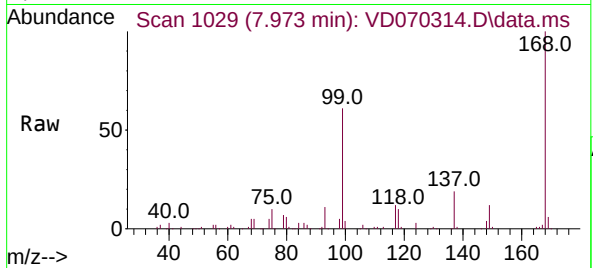
Tgt Ion: 43 Resp: 33295
Ion Ratio Lower Upper
43 100
61 73.5 13.0 19.6#
70 2.7 9.8 14.6#



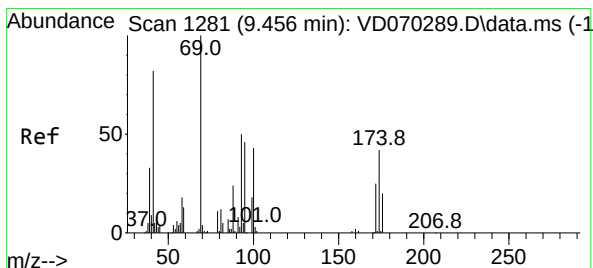
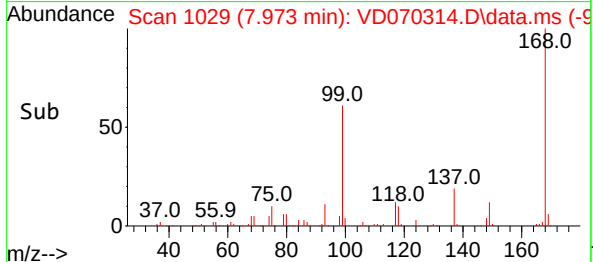
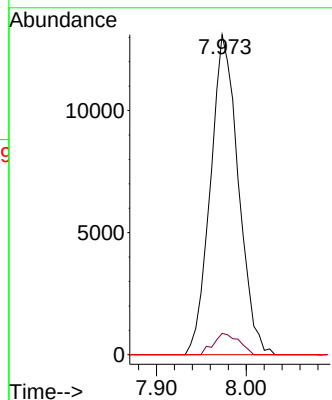


#38
Carbon Tetrachloride
Concen: 4.770 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

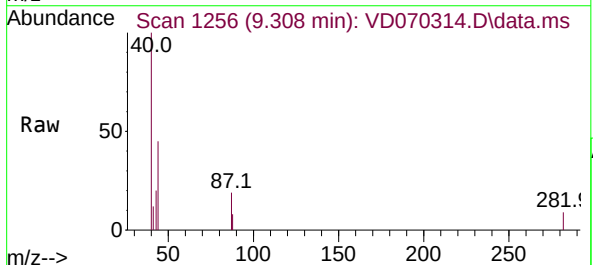
Instrument :
MSVOA_D
ClientSampled :



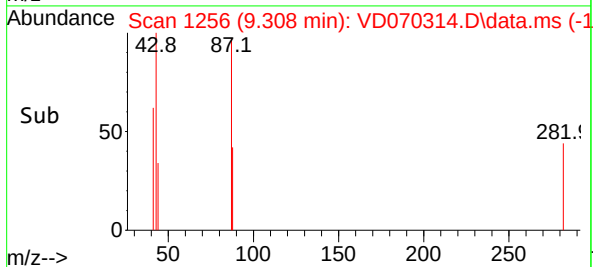
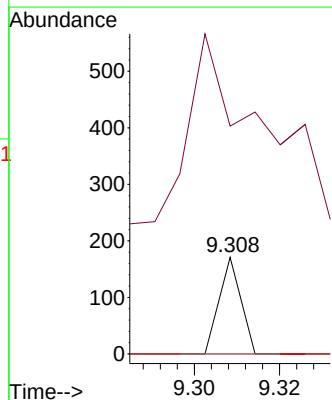
Tgt Ion:117 Resp: 28344
Ion Ratio Lower Upper
117 100
119 6.7 76.1 114.1#
121 0.0 23.8 35.6#

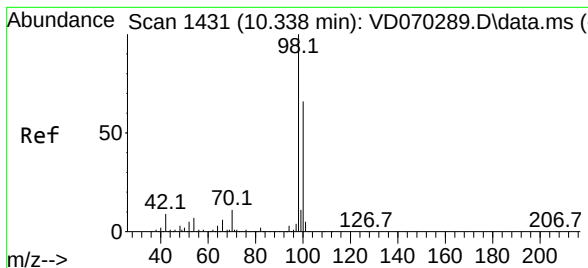


#49
1,4-Dioxane
Concen: 2.518 ug/l
RT: 9.308 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02



Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 1878.3 22.4 33.6#
58 0.0 54.2 81.4#

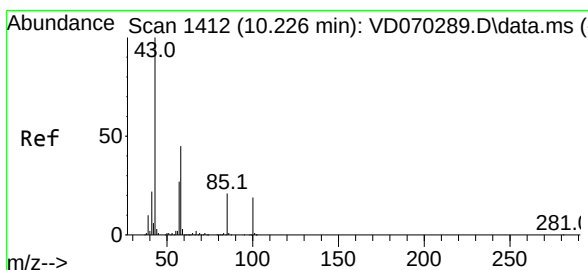
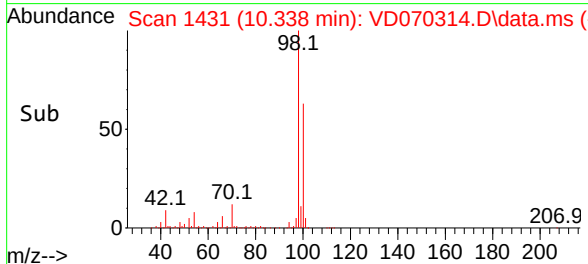
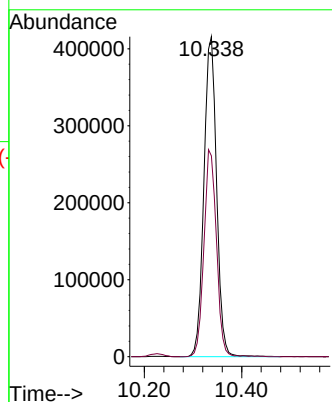
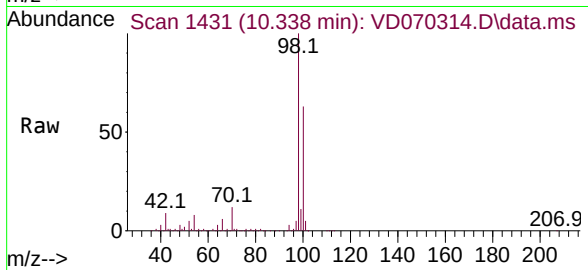




#50
Toluene-d8
Concen: 51.599 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

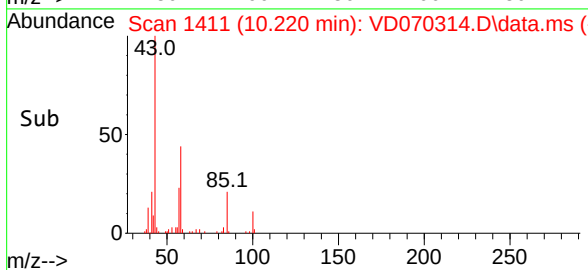
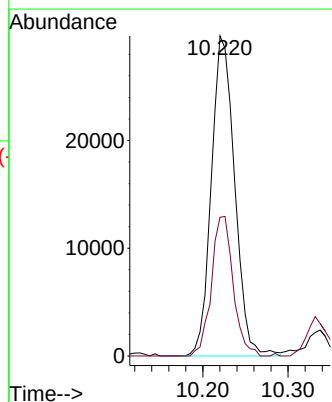
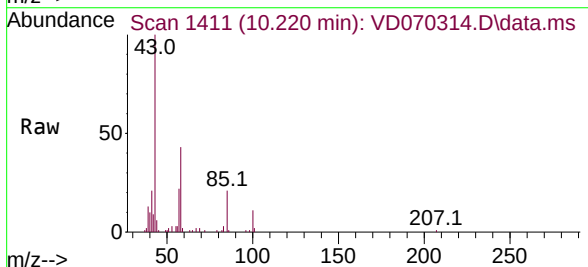
Instrument :
MSVOA_D
ClientSampleId :

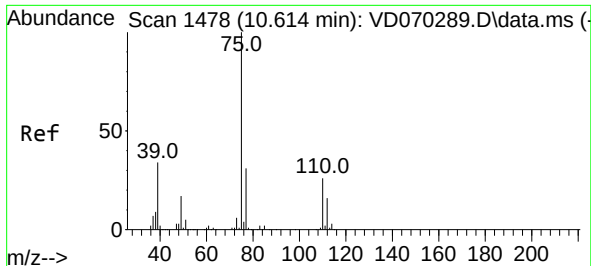
Tgt Ion: 98 Resp: 749652
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 26.288 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

Tgt Ion: 43 Resp: 56512
Ion Ratio Lower Upper
43 100
58 40.6 35.4 53.2

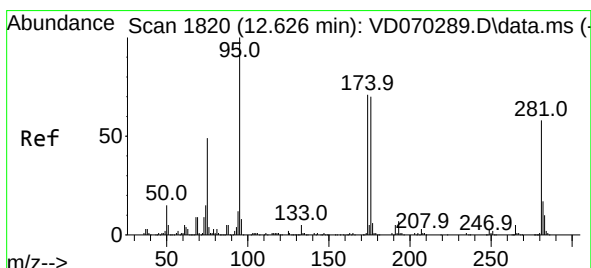
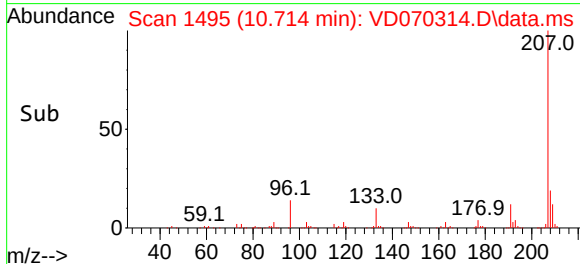
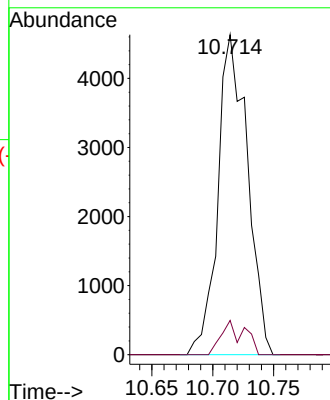
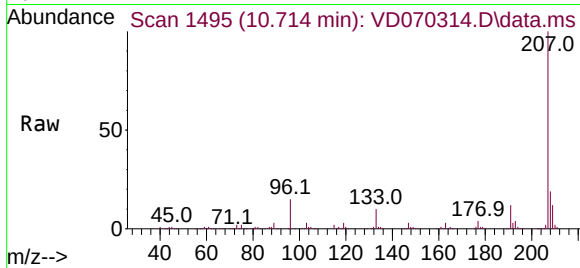




#53
t-1,3-Dichloropropene
Concen: 1.496 ug/l
RT: 10.714 min Scan# 1495
Delta R.T. 0.100 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

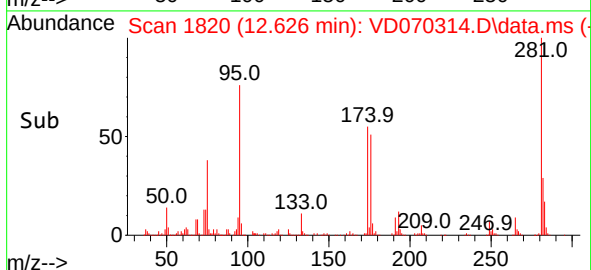
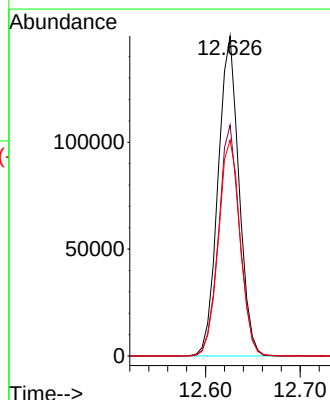
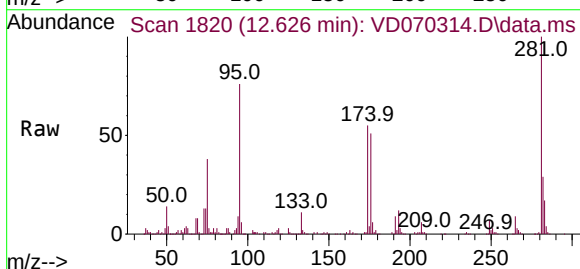
Instrument :
MSVOA_D
ClientSampled :

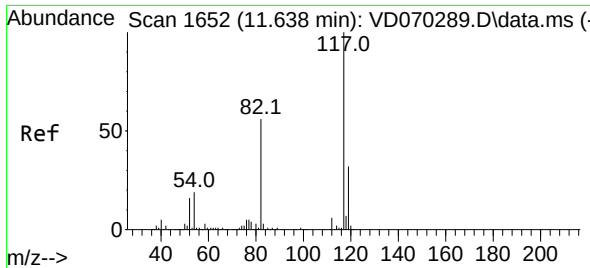
Tgt Ion: 75 Resp: 7811
Ion Ratio Lower Upper
75 100
77 10.7 24.6 37.0#



#62
4-Bromofluorobenzene
Concen: 45.242 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

Tgt Ion: 95 Resp: 229718
Ion Ratio Lower Upper
95 100
174 72.5 0.0 140.6
176 70.2 0.0 137.4

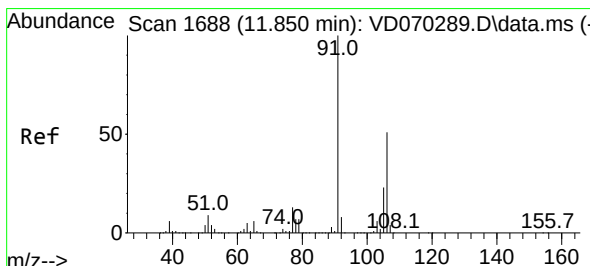
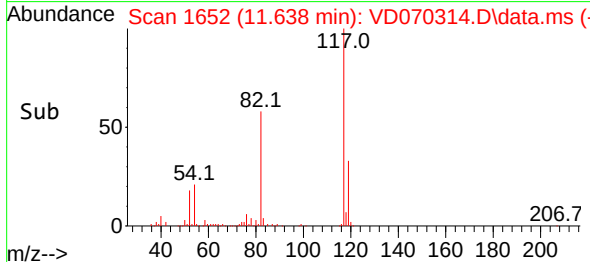
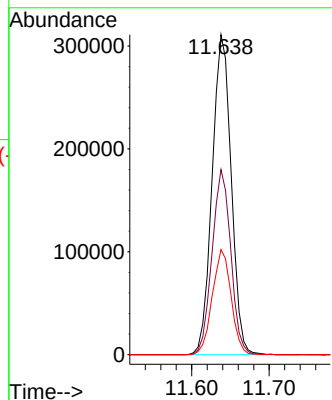
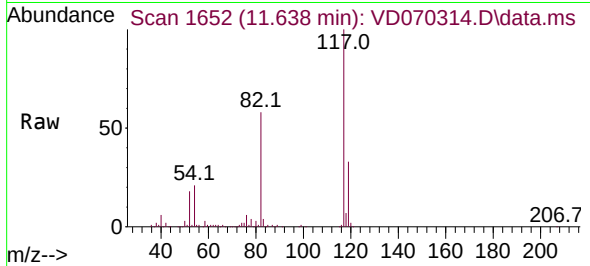




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

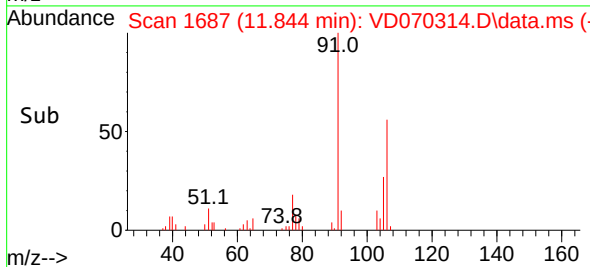
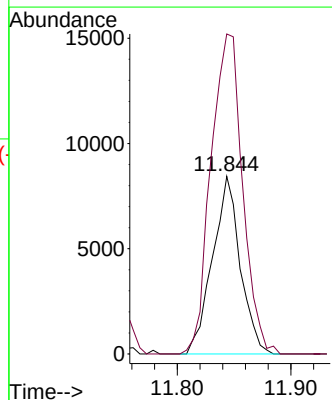
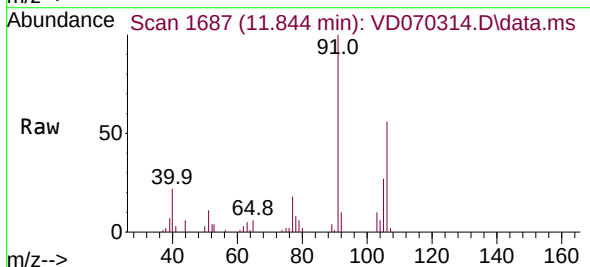
Instrument :
MSVOA_D
ClientSampleId :

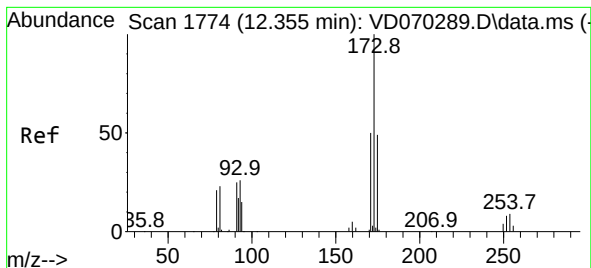
Tgt Ion:	117	Resp:	533171
Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.0	67.4
119	32.8	25.2	37.8



#68
m/p-Xylenes
Concen: 1.945 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

Tgt Ion:	106	Resp:	14311
Ion	Ratio	Lower	Upper
106	100		
91	206.1	161.2	241.8





#71

Bromoform

Concen: 1.069 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. 0.259 min

Lab File: VD070314.D

Acq: 10 Sep 2021 22:02

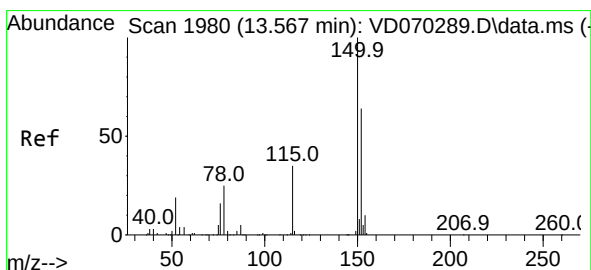
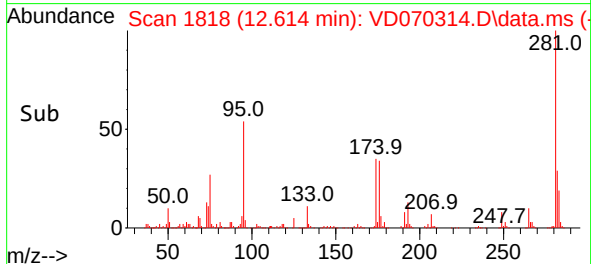
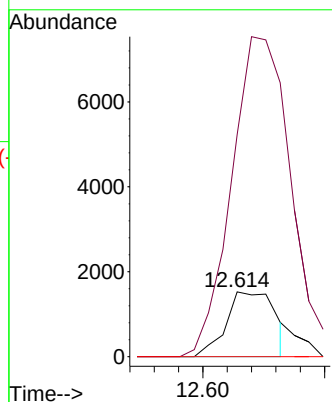
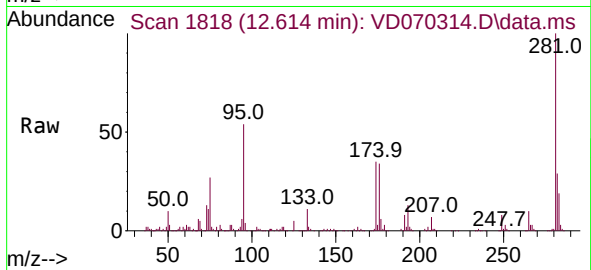
Tgt Ion:173 Resp: 2137

Ion Ratio Lower Upper

173 100

175 502.2 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: VD070314.D

Acq: 10 Sep 2021 22:02

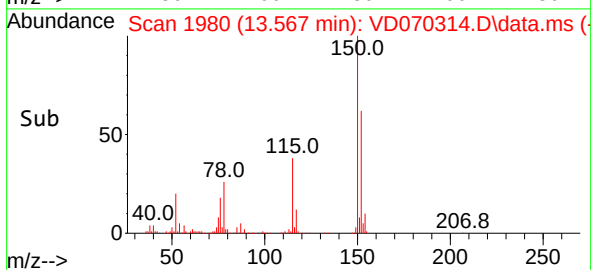
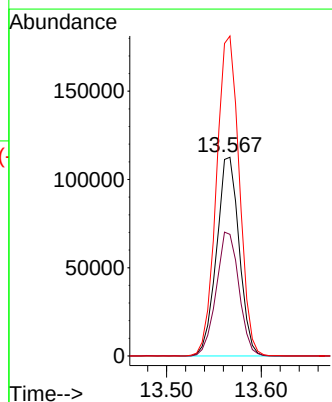
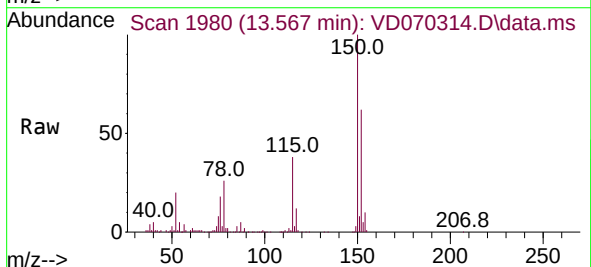
Tgt Ion:152 Resp: 186378

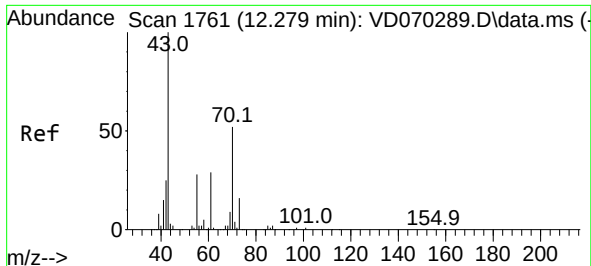
Ion Ratio Lower Upper

152 100

115 62.8 32.1 96.3

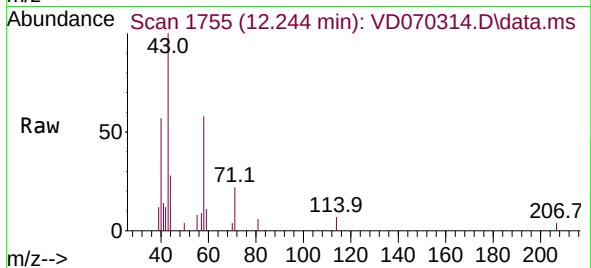
150 162.6 0.0 350.6



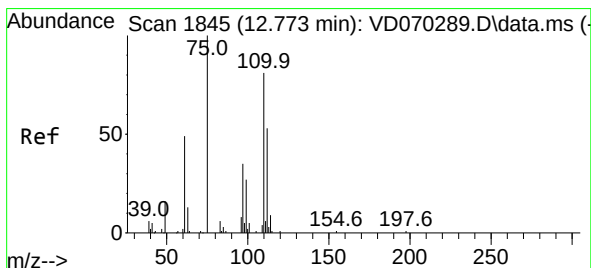
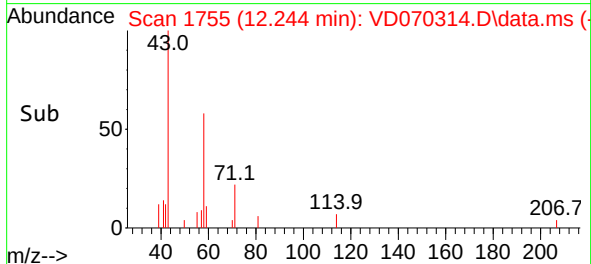
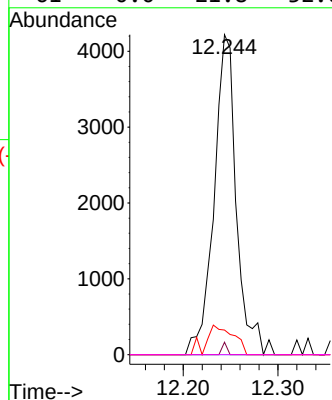


#74
N-amy1 acetate
Concen: 2.435 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

Instrument :
MSVOA_D
ClientSampled :

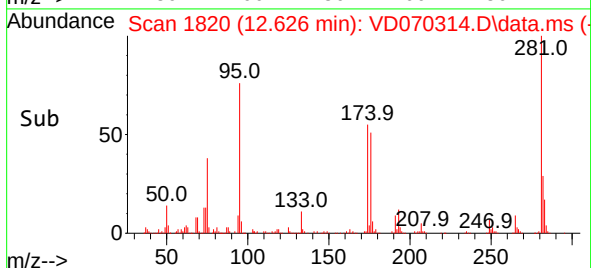
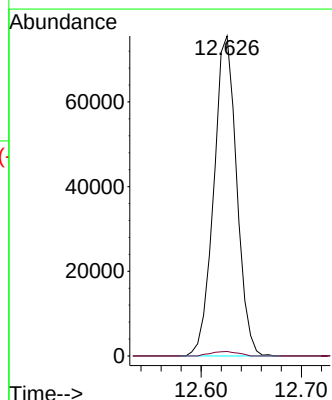
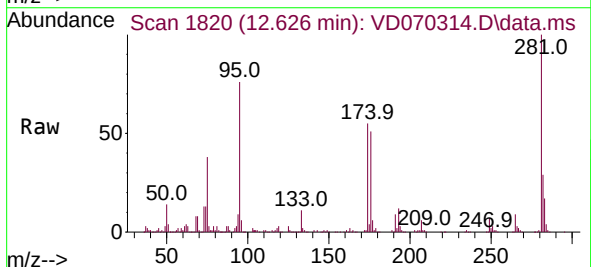


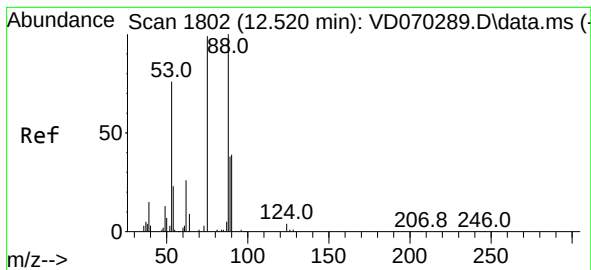
Tgt Ion:	43	Resp:	6935
Ion	Ratio	Lower	Upper
43	100		
70	0.8	41.4	62.0#
55	11.2	22.8	34.2#
61	0.0	21.8	32.6#



#76
1,2,3-Trichloropropane
Concen: 63.579 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070314.D
Acq: 10 Sep 2021 22:02

Tgt Ion:	75	Resp:	119861
Ion	Ratio	Lower	Upper
75	100		
77	1.7	174.9	524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.302 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070314.D
 Acq: 10 Sep 2021 22:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 119861
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.2 96.2#
 89 2.0 35.6 53.4#

