

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093021\
 Data File : VD070538.D
 Acq On : 30 Sep 2021 13:56
 Operator : VA/SY
 Sample : M3975-04RE
 Misc : 7.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

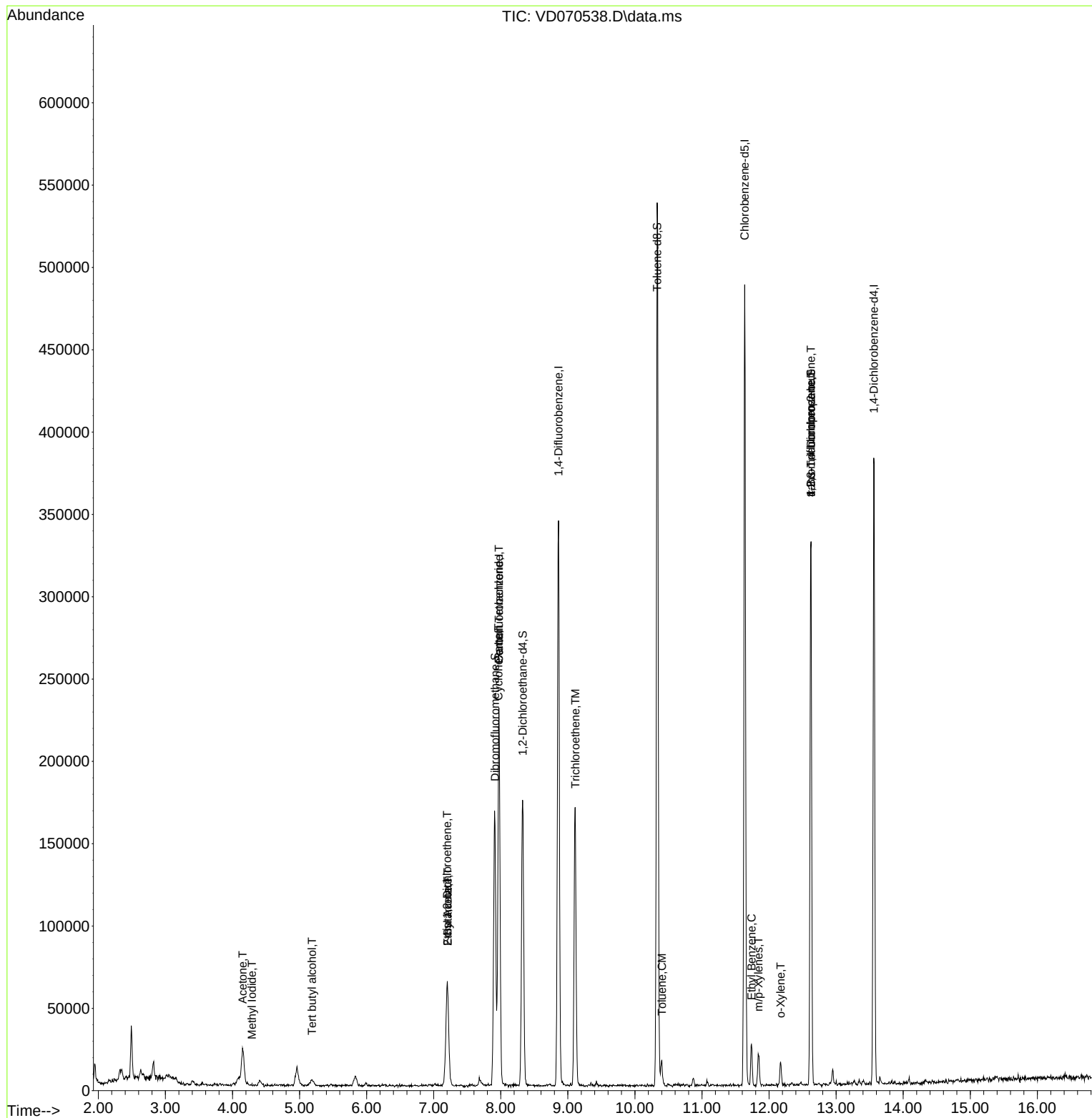
Quant Time: Oct 01 02:04:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

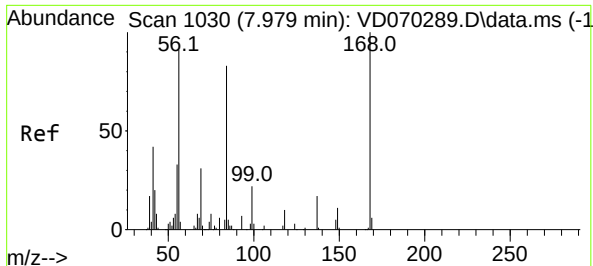
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	154608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	301815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	288720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	104120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	141068	71.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.120%	
35) Dibromofluoromethane	7.914	113	123994	57.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.440%	
50) Toluene-d8	10.332	98	388843	49.851	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.626	95	117124	42.965	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.920%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	95	Below Cal	#	43
3) Chloromethane	2.209	50	453	Below Cal	#	69
5) Bromomethane	2.773	94	432	Below Cal	#	73
6) Chloroethane	2.920	64	95	Below Cal	#	43
10) Methyl Iodide	4.291	142	124	1.092	ug/l #	39
11) Tert butyl alcohol	5.185	59	4693	20.908	ug/l #	100
16) Acetone	4.150	43	40048	112.993	ug/l	92
18) Methyl Acetate	4.732	43	643	Below Cal	#	48
20) Methylene Chloride	4.961	84	9114	Below Cal	#	84
25) 2-Butanone	7.208	43	13325	28.243	ug/l #	88
27) cis-1,2-Dichloroethene	7.203	96	30225	13.132	ug/l	91
31) Cyclohexane	7.967	56	3669	1.073	ug/l #	22
37) Ethyl Acetate	7.208	43	13325	11.046	ug/l #	1
38) Carbon Tetrachloride	7.973	117	17092	5.357	ug/l #	19
44) Trichloroethene	9.114	130	63030	27.897	ug/l	99
52) Toluene	10.402	92	5762	1.009	ug/l	91
67) Ethyl Benzene	11.738	91	17826	1.728	ug/l	93
68) m/p-Xylenes	11.843	106	6995	1.756	ug/l	81
69) o-Xylene	12.173	106	3872	1.085	ug/l	86
76) 1,2,3-Trichloropropane	12.626	75	53388	50.692	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	53388	127.013	ug/l #	18

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

Quant Time: Oct 01 02:04:20 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

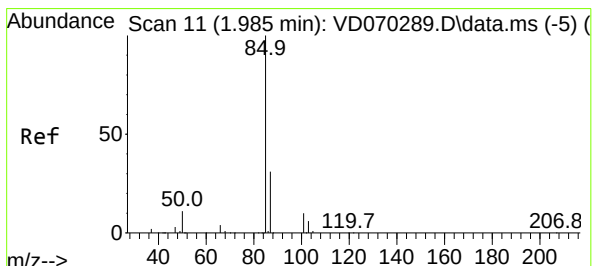
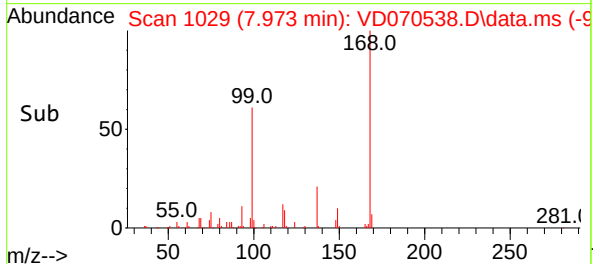
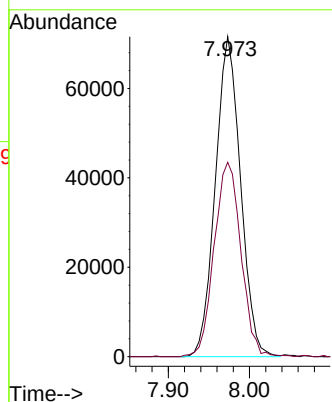
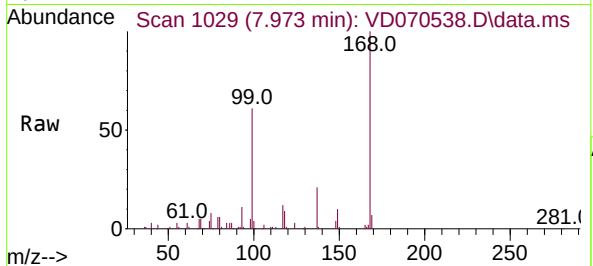




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

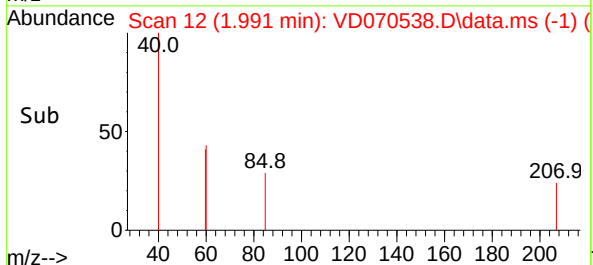
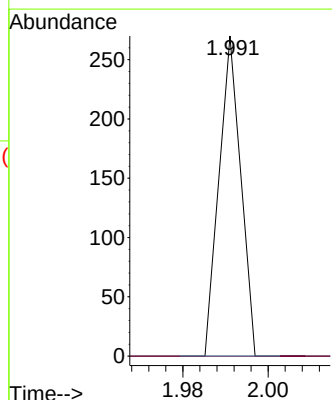
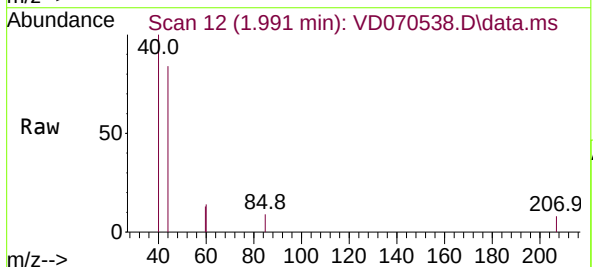
Instrument :
MSVOA_D
ClientSampleId :

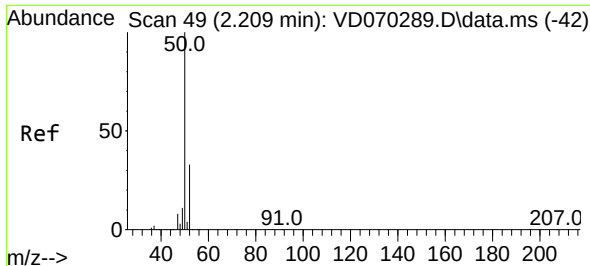
Tgt Ion:168 Resp: 154608
Ion Ratio Lower Upper
168 100
99 60.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 85 Resp: 95
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

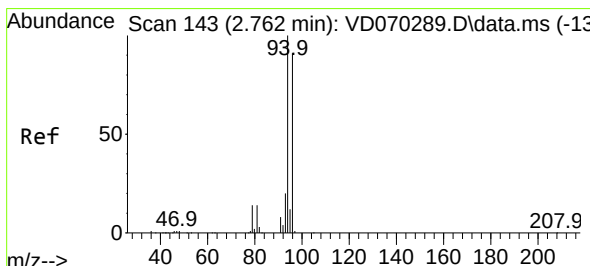
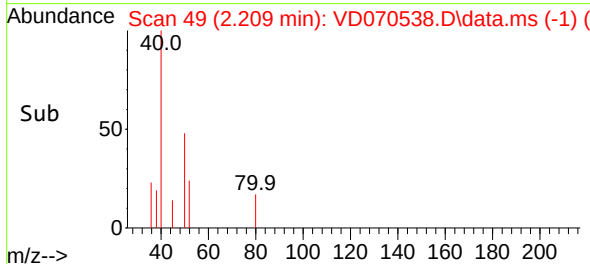
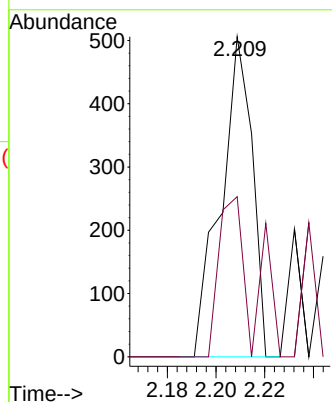
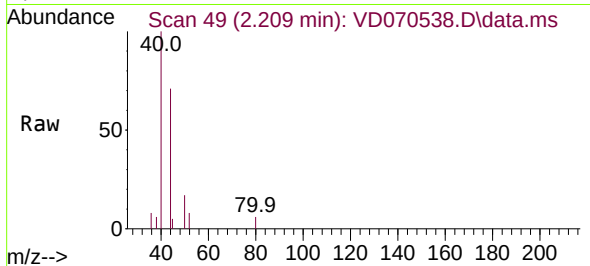




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

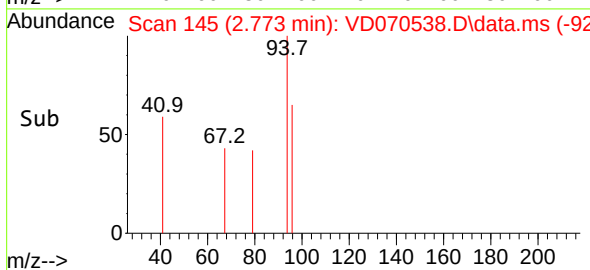
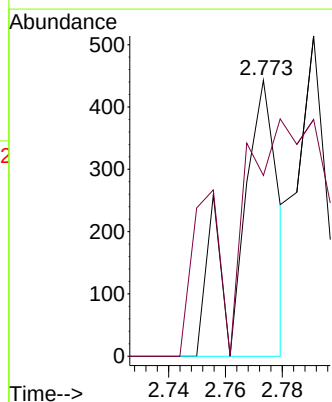
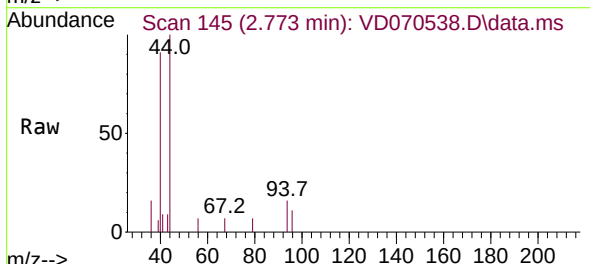
Instrument :
MSVOA_D
ClientSampled :

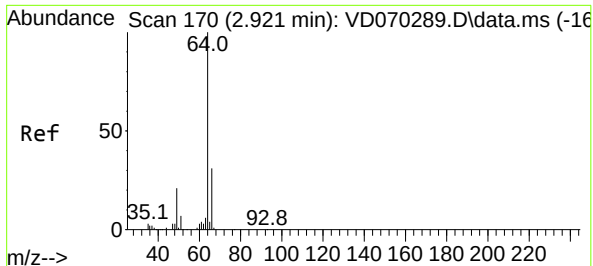
Tgt Ion: 50 Resp: 453
Ion Ratio Lower Upper
50 100
52 50.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 65.5 73.0 109.6#

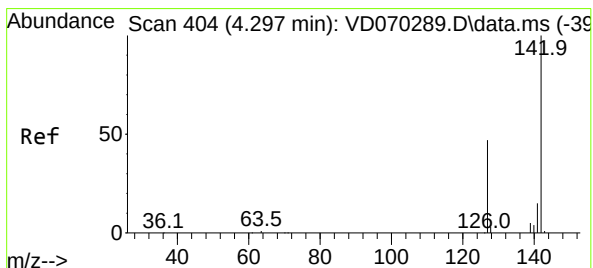
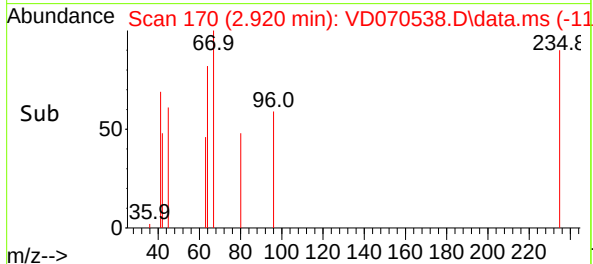
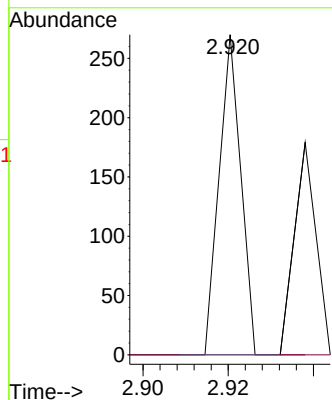
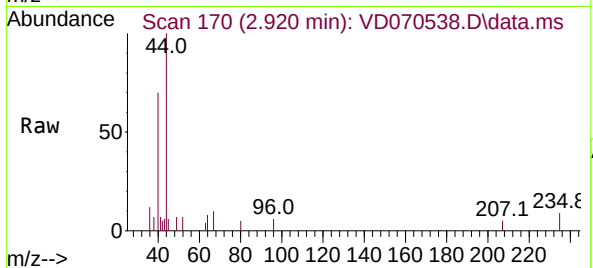




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

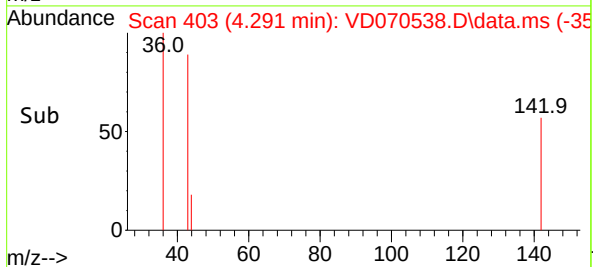
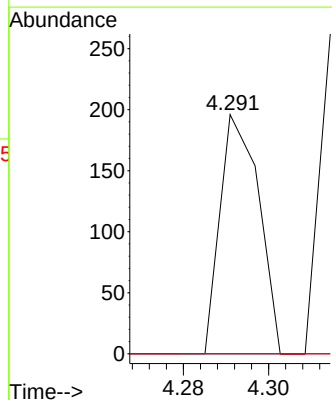
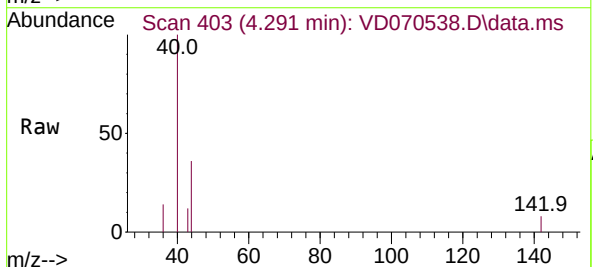
Instrument :
MSVOA_D
ClientSampled :

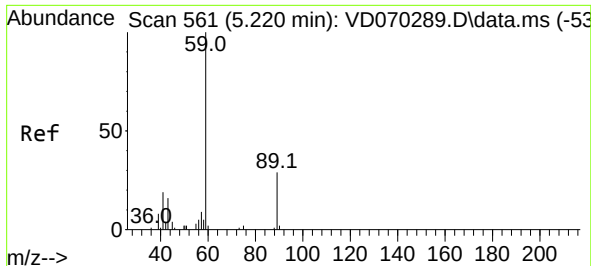
Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.092 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 142 Resp: 124
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

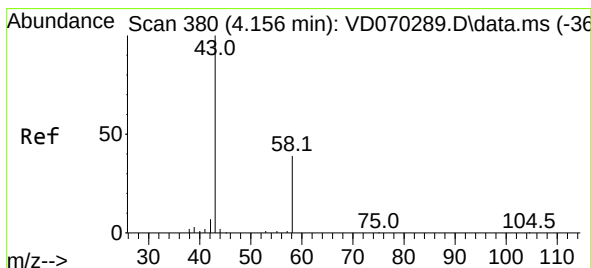
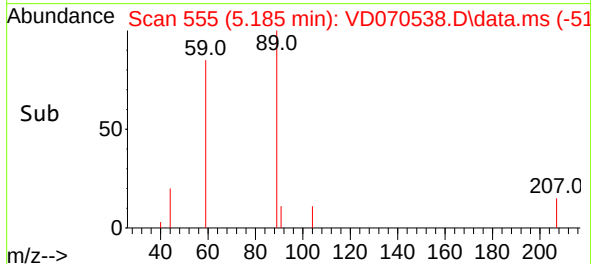
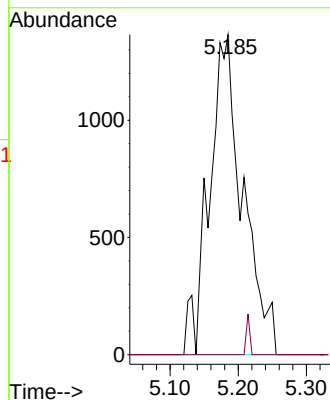
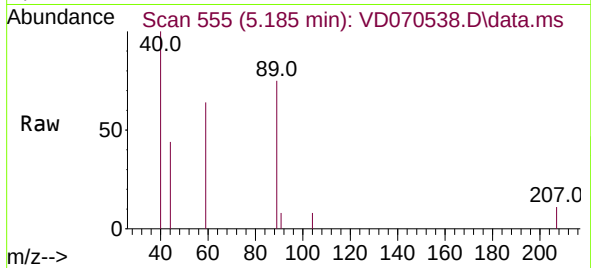




#11
Tert butyl alcohol
Concen: 20.908 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

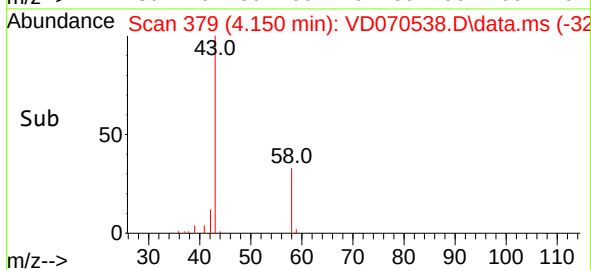
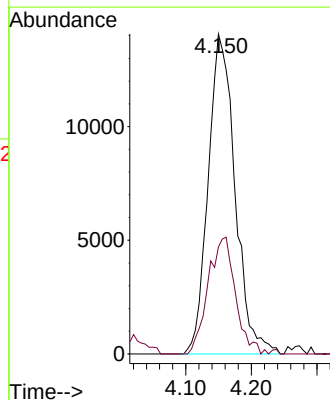
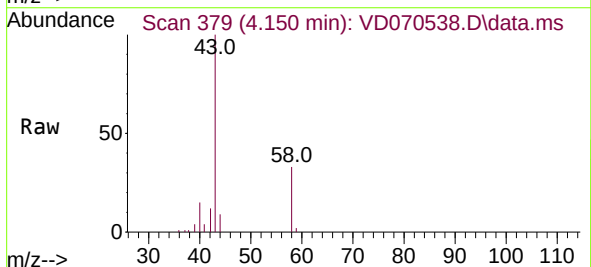
Instrument :
MSVOA_D
ClientSampled :

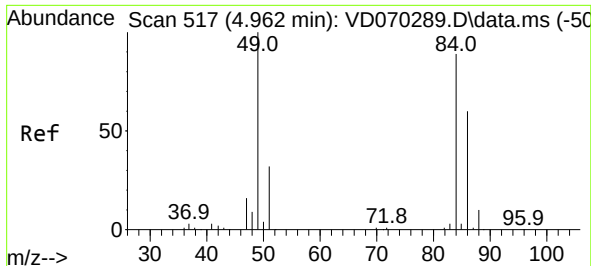
Tgt Ion: 59 Resp: 4693
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 112.993 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

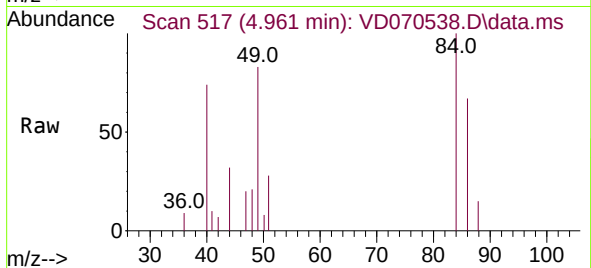
Tgt Ion: 43 Resp: 40048
Ion Ratio Lower Upper
43 100
58 33.4 30.9 46.3



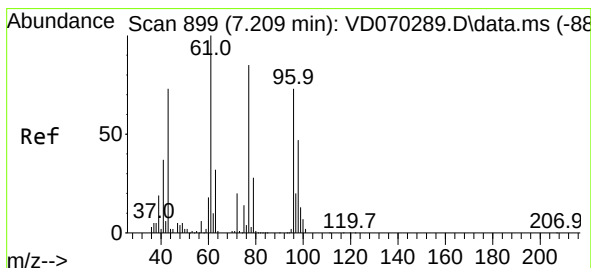
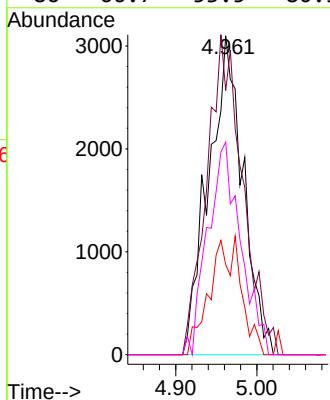
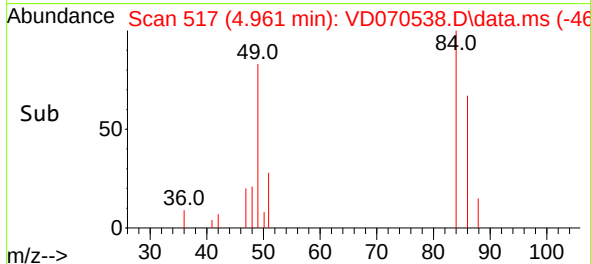


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

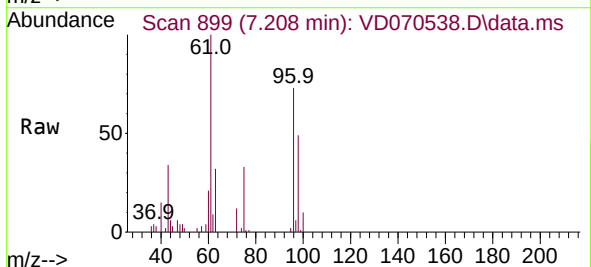
Instrument :
MSVOA_D
ClientSampled :



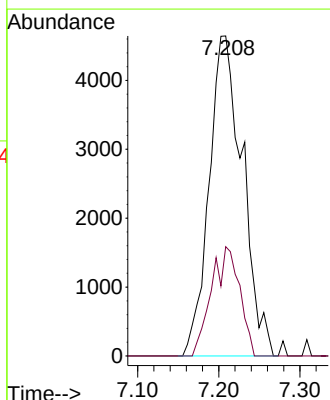
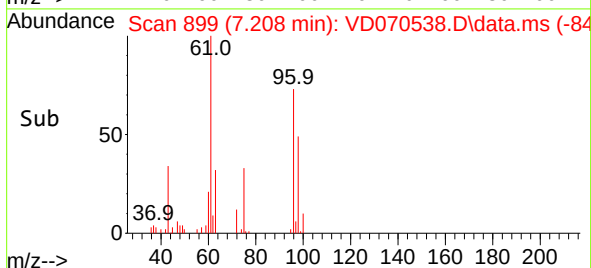
Tgt Ion:	84	Resp:	9114
Ion	Ratio	Lower	Upper
84	100		
49	82.9	89.6	134.4#
51	28.2	28.6	43.0#
86	66.7	53.5	80.3

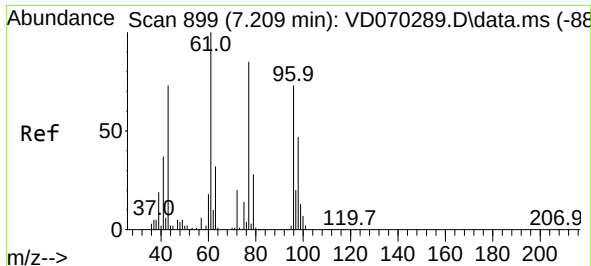


#25
2-Butanone
Concen: 28.243 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56



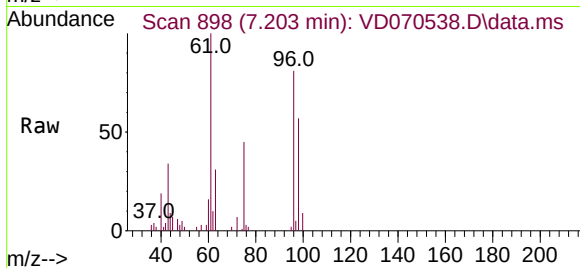
Tgt Ion:	43	Resp:	13325
Ion	Ratio	Lower	Upper
43	100		
72	34.1	22.2	33.4#



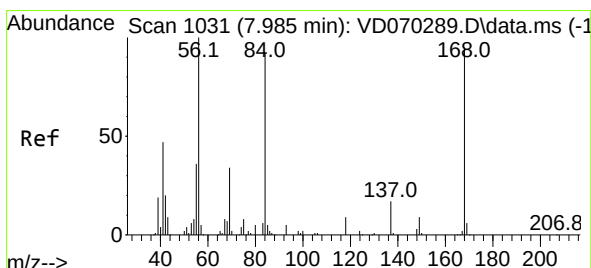
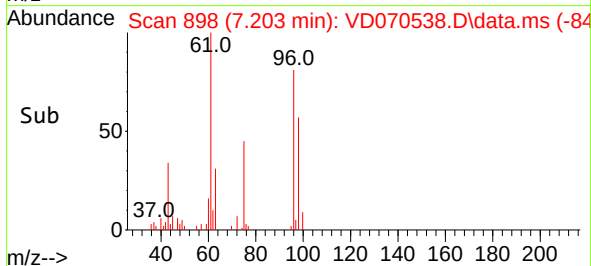
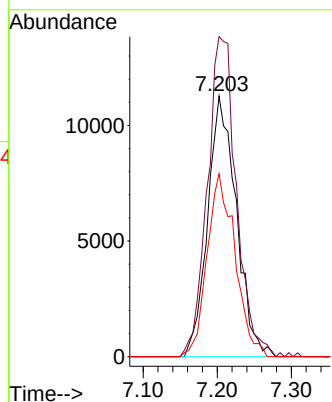


#27
cis-1,2-Dichloroethene
Concen: 13.132 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Instrument :
MSVOA_D
ClientSampled :

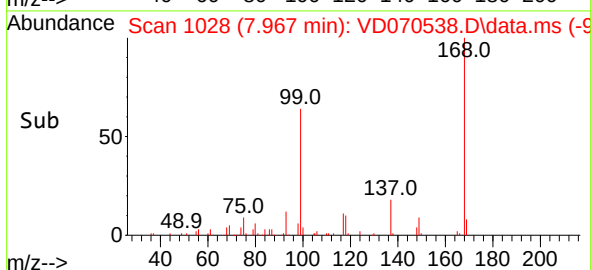
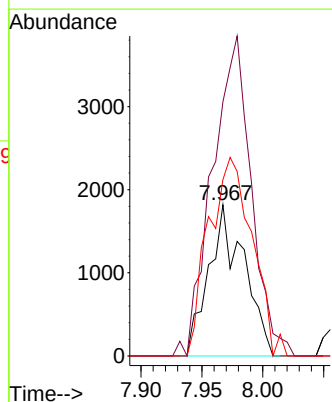
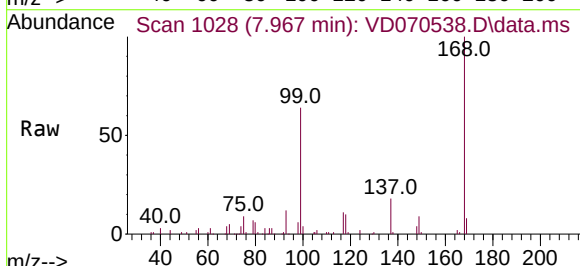


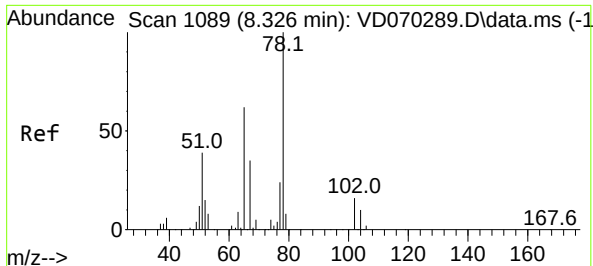
Tgt Ion:	96	Resp:	30225
Ion	Ratio	Lower	Upper
96	100		
61	124.6	0.0	277.4
98	68.6	0.0	130.0



#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion:	56	Resp:	3669
Ion	Ratio	Lower	Upper
56	100		
69	158.4	26.9	40.3#
84	116.7	73.6	110.4#

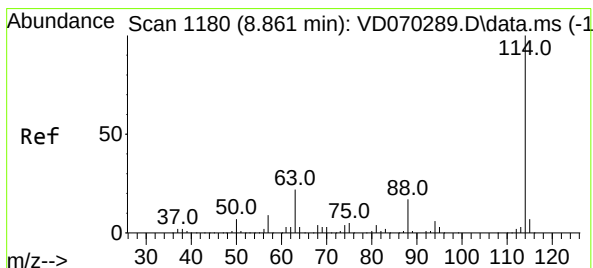
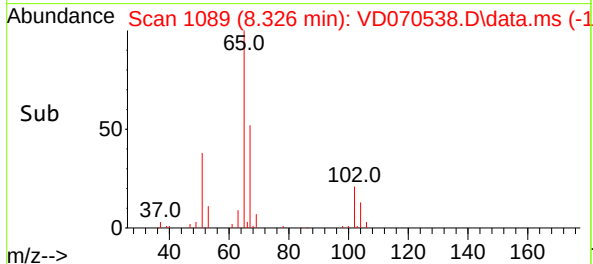
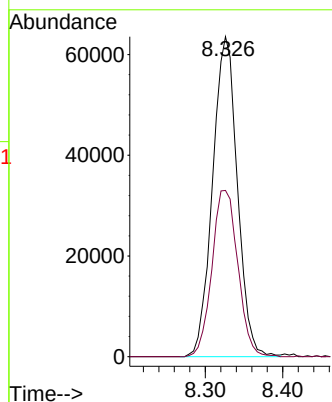
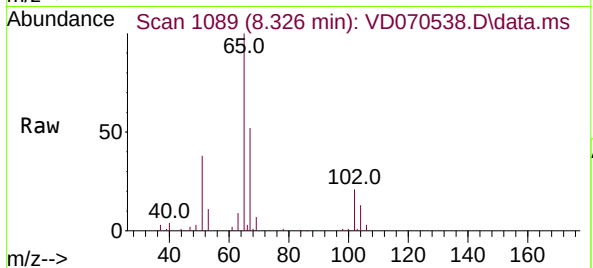




#33
1,2-Dichloroethane-d4
Concen: 71.060 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

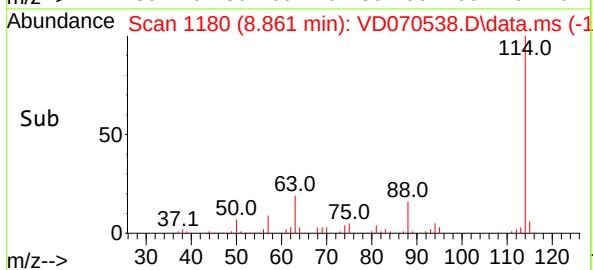
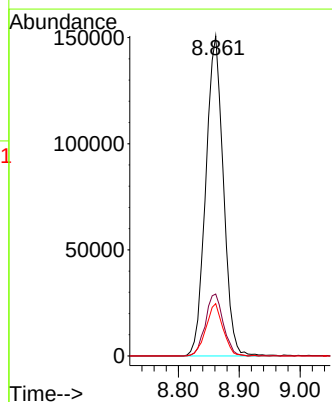
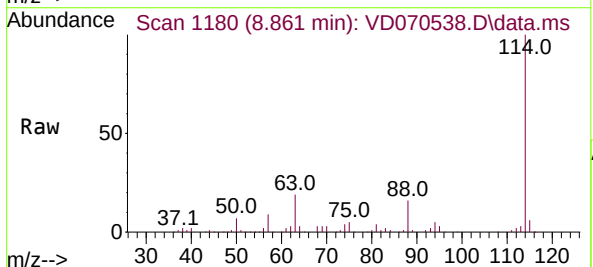
Instrument :
MSVOA_D
ClientSampleId :

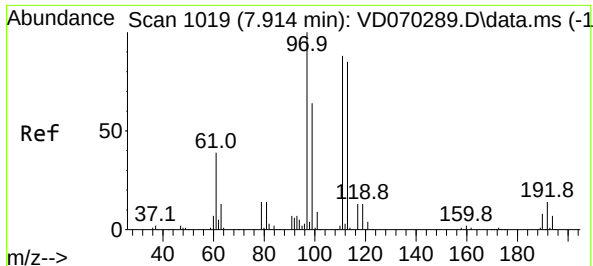
Tgt Ion: 65 Resp: 141068
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 114 Resp: 301815
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.4
88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 57.716 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070538.D

Acq: 30 Sep 2021 13:56

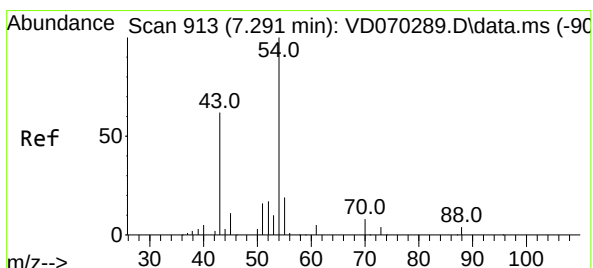
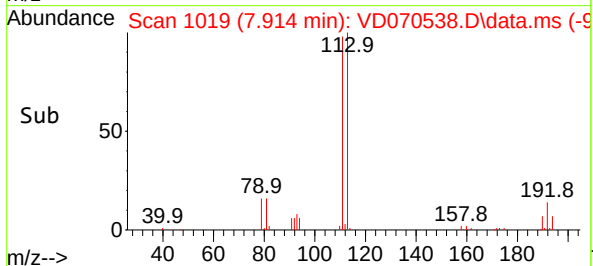
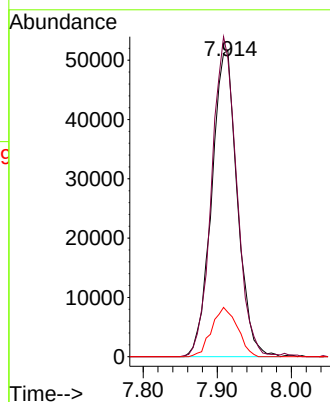
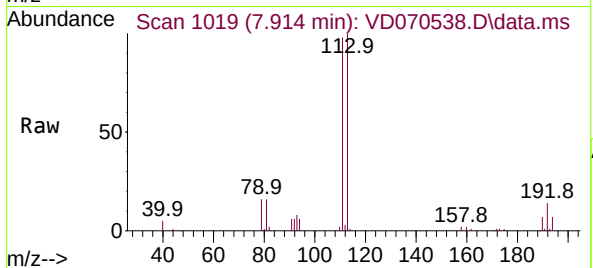
Tgt Ion:113 Resp: 123994

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

192 16.2 13.0 19.6



#37

Ethyl Acetate

Concen: 11.046 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD070538.D

Acq: 30 Sep 2021 13:56

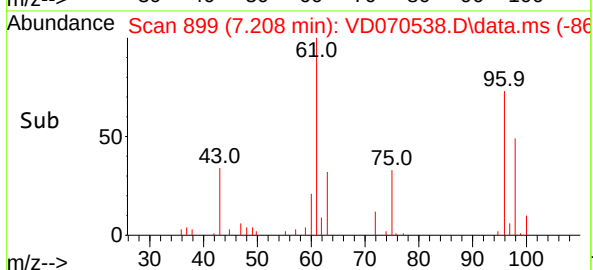
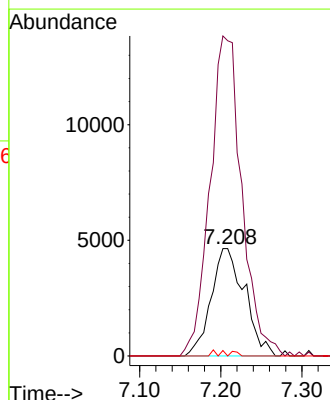
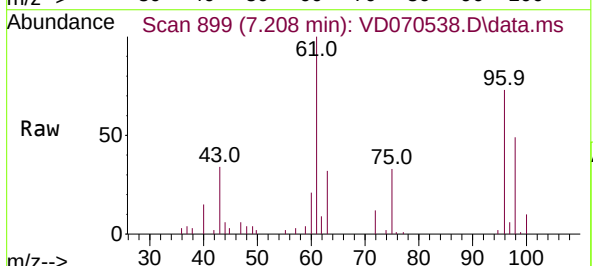
Tgt Ion: 43 Resp: 13325

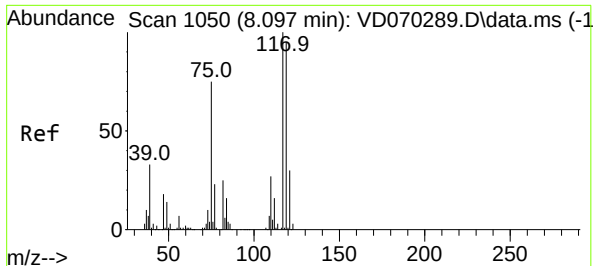
Ion Ratio Lower Upper

43 100

61 282.6 13.0 19.6#

70 1.0 9.8 14.6#

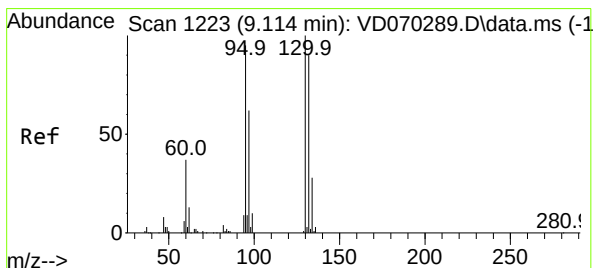
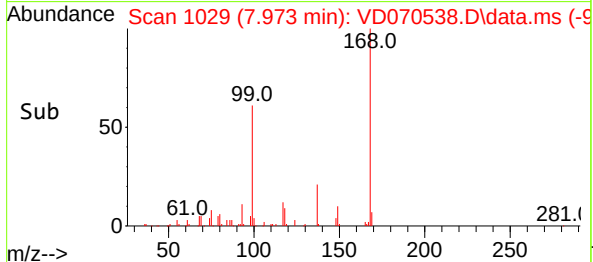
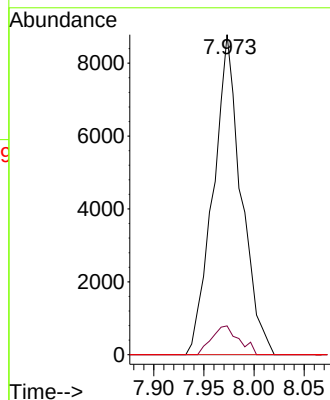
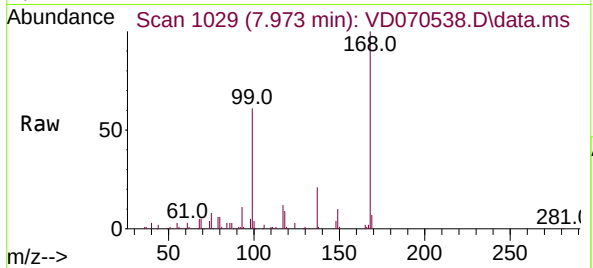




#38
Carbon Tetrachloride
Concen: 5.357 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

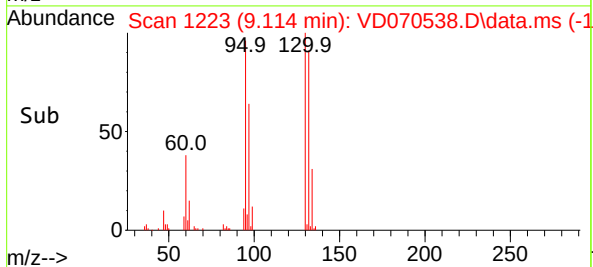
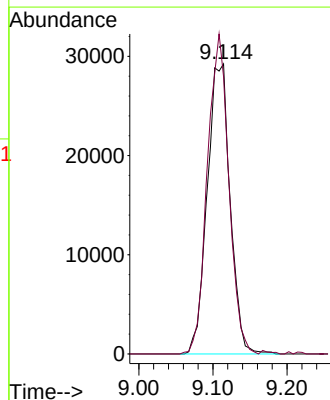
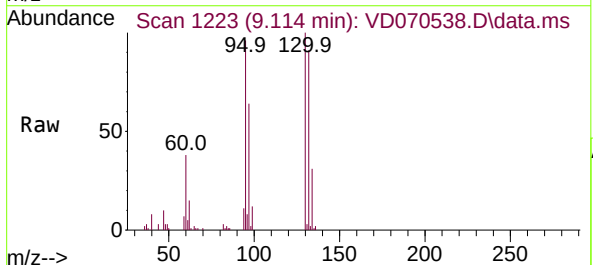
Instrument :
MSVOA_D
ClientSampled :

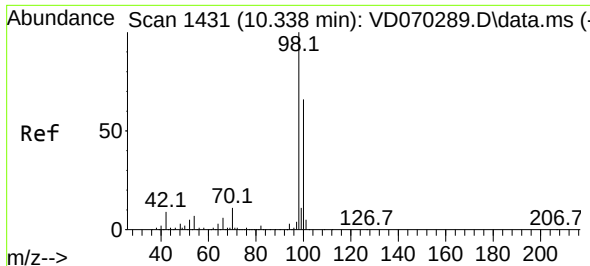
Tgt Ion:117 Resp: 17092
Ion Ratio Lower Upper
117 100
119 9.0 76.1 114.1#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 27.897 ug/l
RT: 9.114 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion:130 Resp: 63030
Ion Ratio Lower Upper
130 100
95 95.6 0.0 190.0

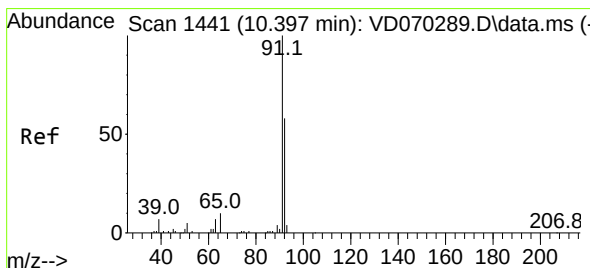
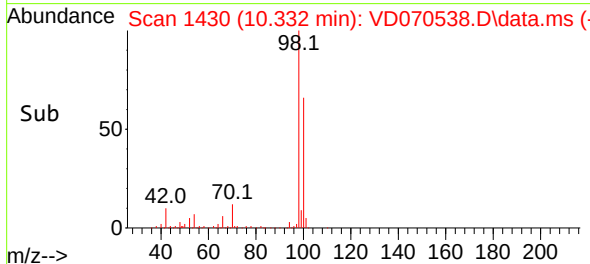
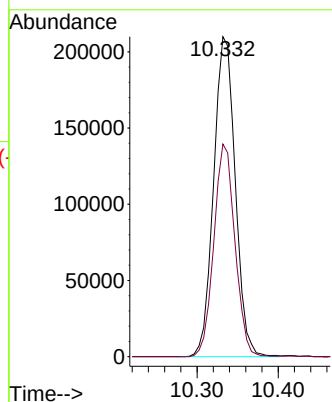
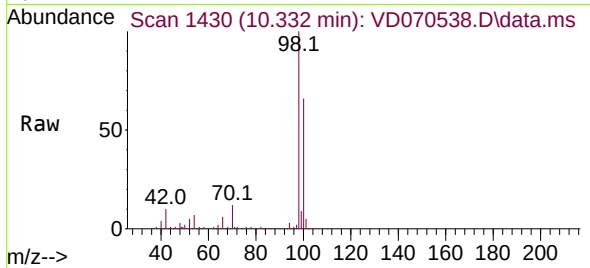




#50
Toluene-d8
Concen: 49.851 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

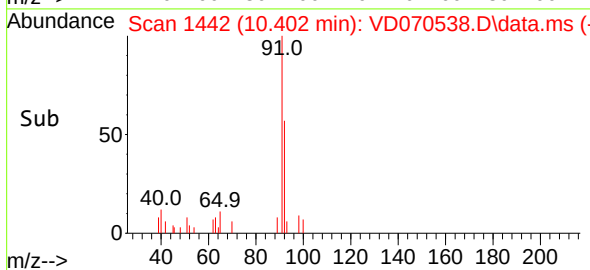
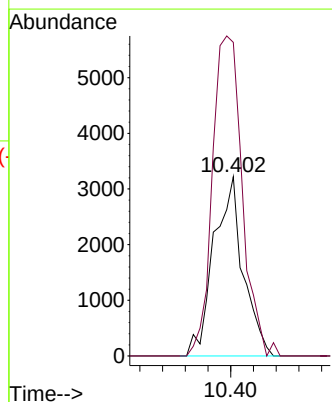
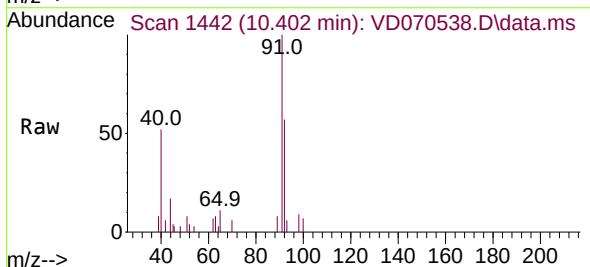
Instrument :
MSVOA_D
ClientSampled :

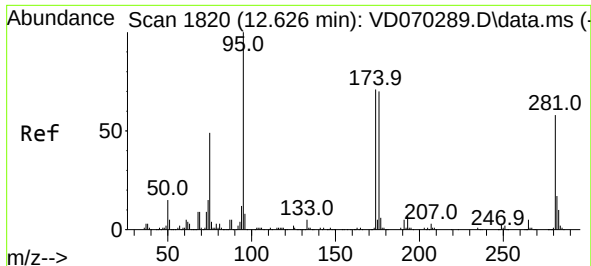
Tgt Ion: 98 Resp: 388843
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#52
Toluene
Concen: 1.009 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 92 Resp: 5762
Ion Ratio Lower Upper
92 100
91 182.1 136.2 204.2

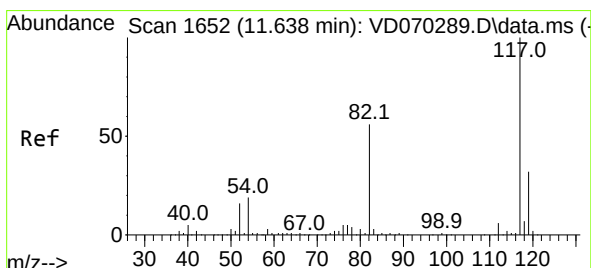
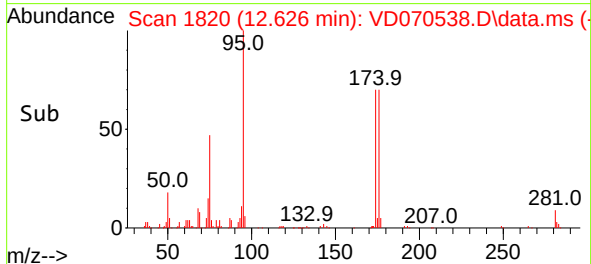
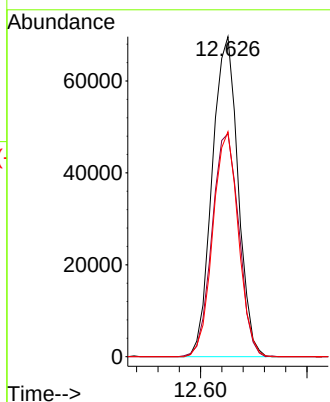
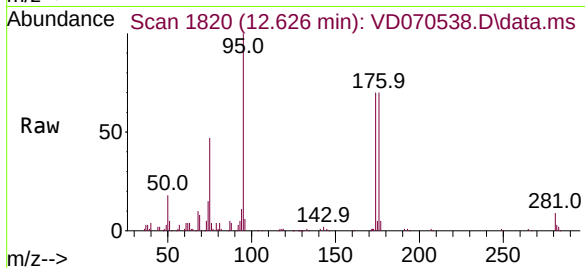




#62
4-Bromofluorobenzene
Concen: 42.965 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

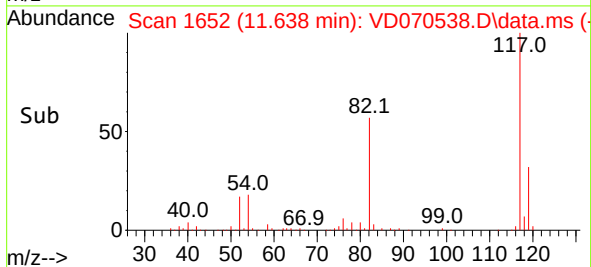
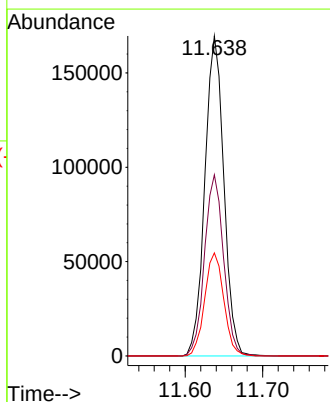
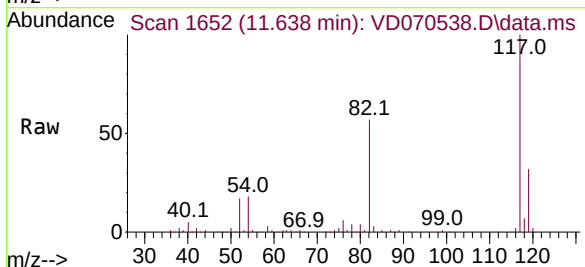
Instrument :
MSVOA_D
ClientSampleId :

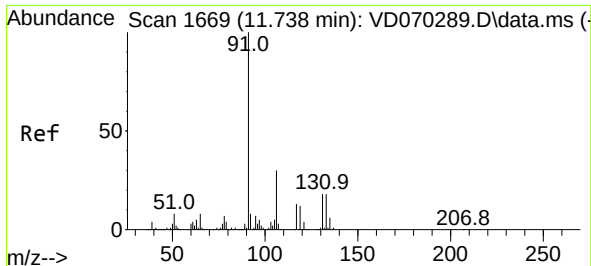
Tgt Ion: 95 Resp: 117124
Ion Ratio Lower Upper
95 100
174 72.3 0.0 140.6
176 69.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 117 Resp: 288720
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.2 25.2 37.8

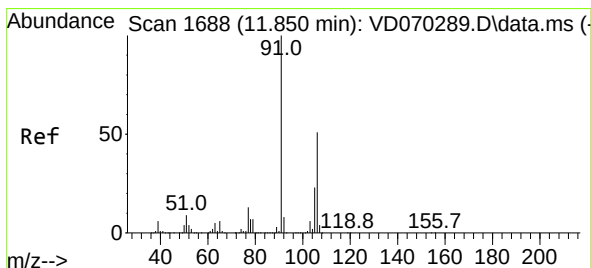
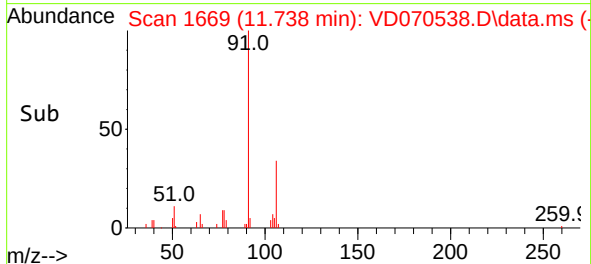
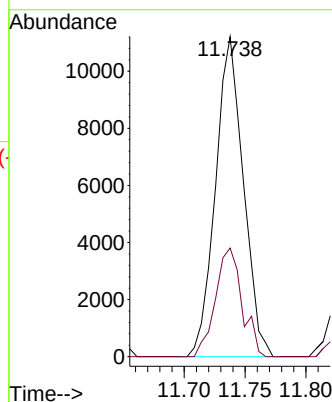
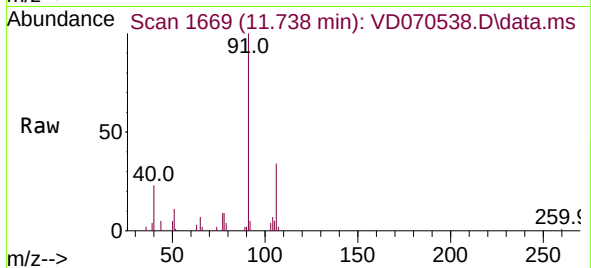




#67
Ethyl Benzene
Concen: 1.728 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

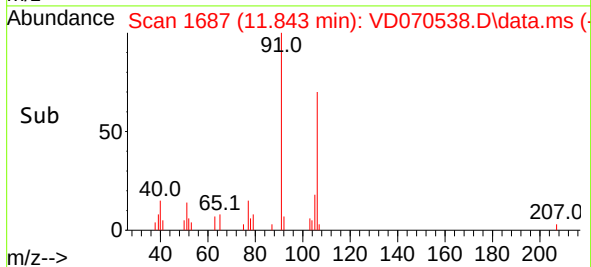
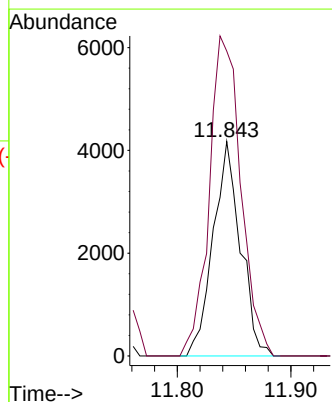
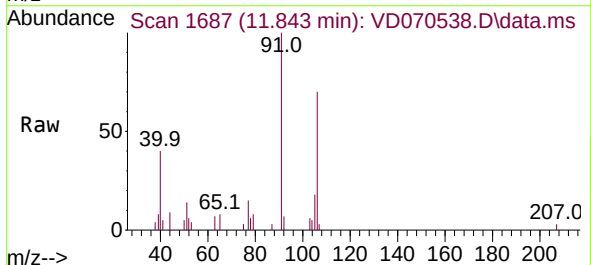
Instrument :
MSVOA_D
ClientSampled :

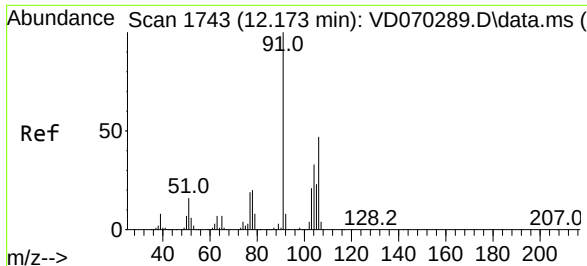
Tgt Ion: 91 Resp: 17826
Ion Ratio Lower Upper
91 100
106 33.9 24.2 36.2



#68
m/p-Xylenes
Concen: 1.756 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 106 Resp: 6995
Ion Ratio Lower Upper
106 100
91 172.4 161.2 241.8

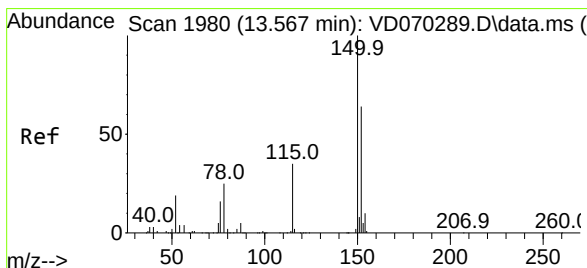
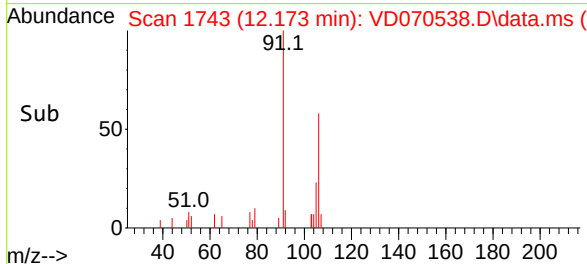
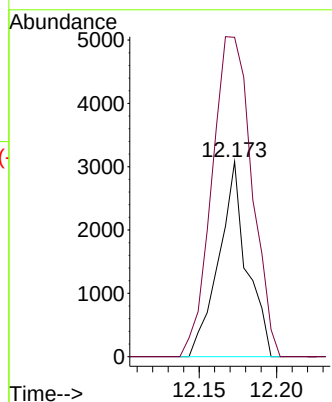
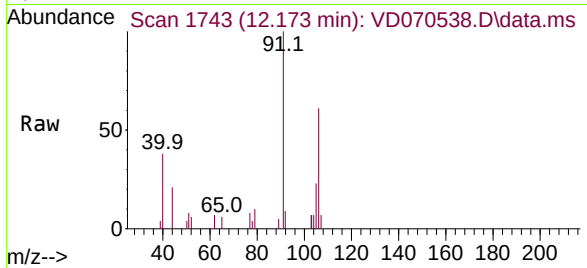




#69
o-Xylene
Concen: 1.085 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

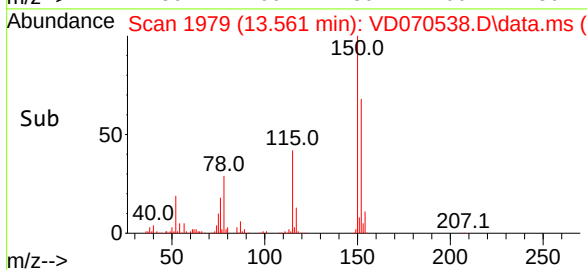
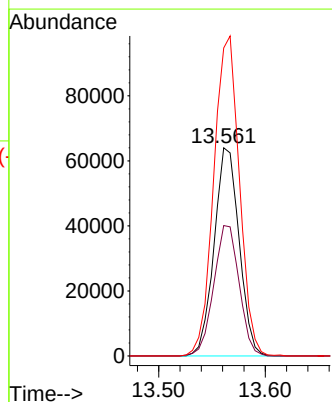
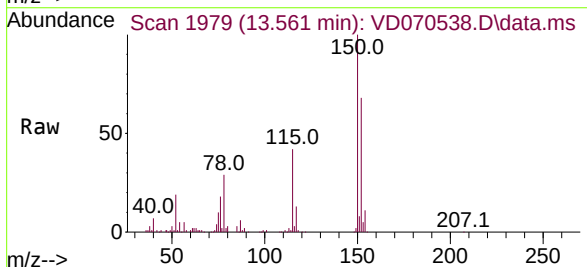
Instrument :
MSVOA_D
ClientSampled :

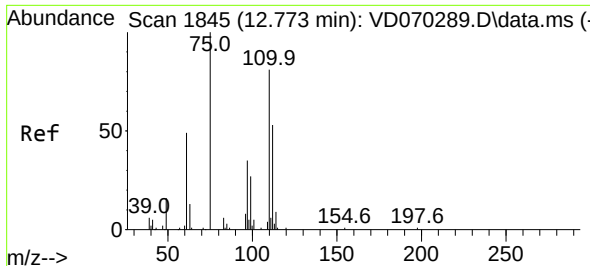
Tgt Ion:106 Resp: 3872
Ion Ratio Lower Upper
106 100
91 233.9 106.3 318.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion:152 Resp: 104120
Ion Ratio Lower Upper
152 100
115 63.6 32.1 96.3
150 157.7 0.0 350.6

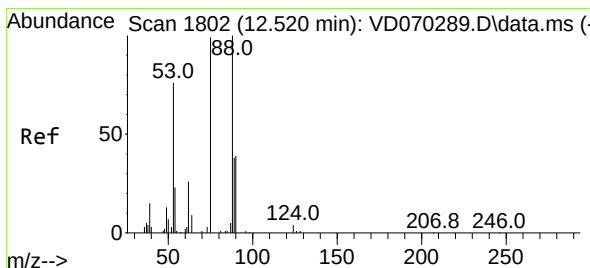
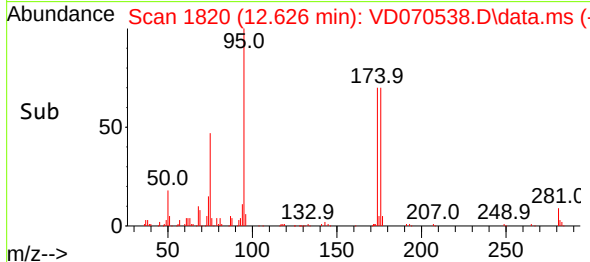
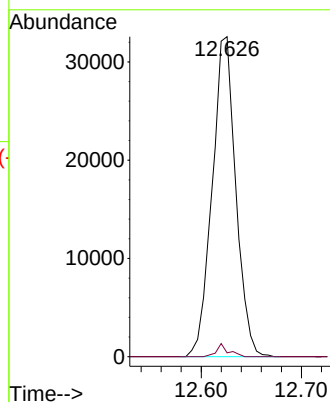
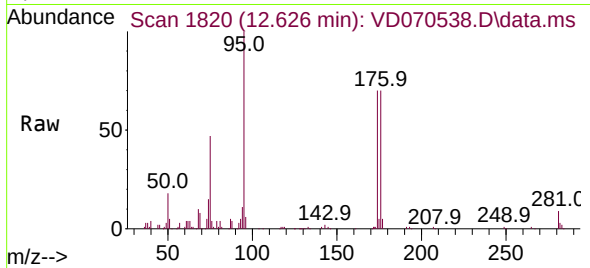




#76
1,2,3-Trichloropropane
Concen: 50.692 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 53388
Ion Ratio Lower Upper
75 100
77 2.0 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.013 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070538.D
Acq: 30 Sep 2021 13:56

Tgt Ion: 75 Resp: 53388
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.5 35.6 53.4#

