

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070397.D
 Acq On : 21 Sep 2021 11:49
 Operator : VA/SY
 Sample : VD0921SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:46:00 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)

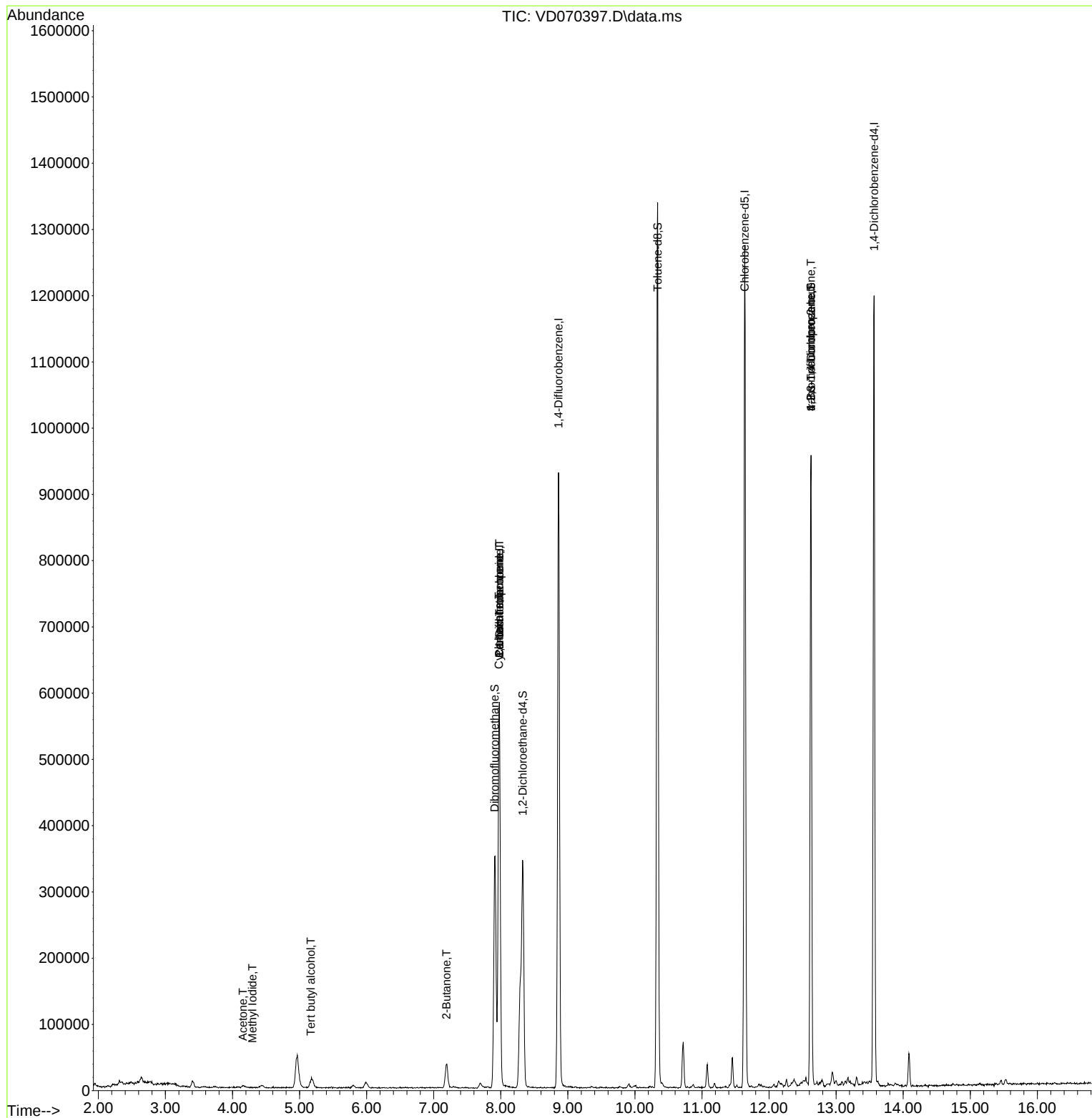
Internal Standards						
1) Pentafluorobenzene	7.979	168	411959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	798284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	740103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	309530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	261864	49.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.020%
35) Dibromofluoromethane	7.908	113	266746	46.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.880%
50) Toluene-d8	10.338	98	919351	44.562	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.120%
62) 4-Bromofluorobenzene	12.626	95	297060	41.200	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	717	Below Cal		83
3) Chloromethane	2.215	50	1501	Below Cal		91
5) Bromomethane	2.785	94	1539	Below Cal	#	74
6) Chloroethane	2.932	64	225	Below Cal	#	44
10) Methyl Iodide	4.297	142	347	1.096 ug/l	#	39
11) Tert butyl alcohol	5.167	59	13438	22.468 ug/l	#	100
16) Acetone	4.156	43	5555	5.882 ug/l	#	69
18) Methyl Acetate	4.785	43	58	Below Cal	#	48
20) Methylene Chloride	4.967	84	39972	Below Cal		94
25) 2-Butanone	7.191	43	1934	1.538 ug/l	#	47
31) Cyclohexane	7.973	56	10533	1.156 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	37861	4.437 ug/l	#	47
38) Carbon Tetrachloride	7.979	117	44592	5.284 ug/l	#	18
76) 1,2,3-Trichloropropane	12.626	75	149440	47.730 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	149440	119.592 ug/l	#	17

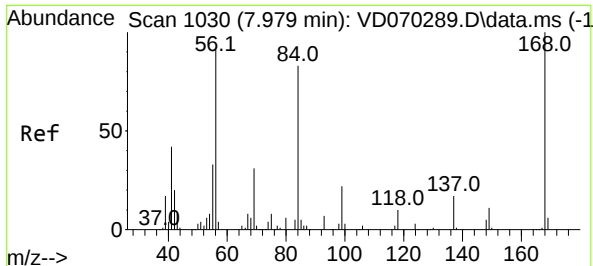
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 01:46:00 2021
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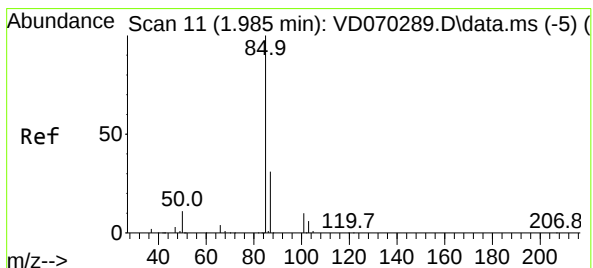
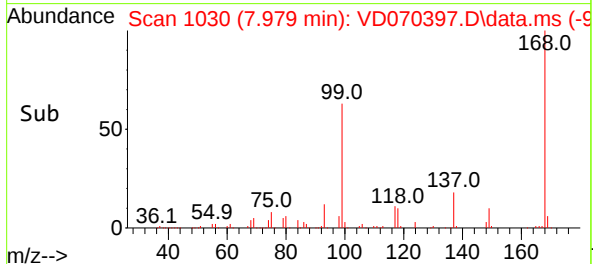
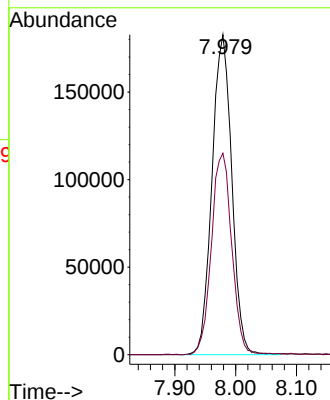
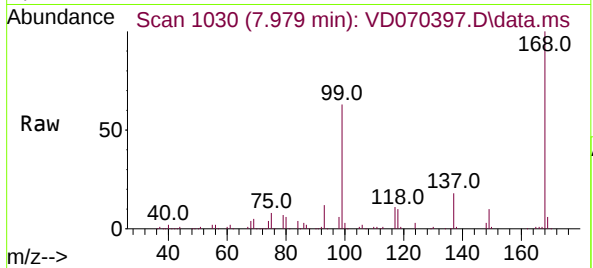




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

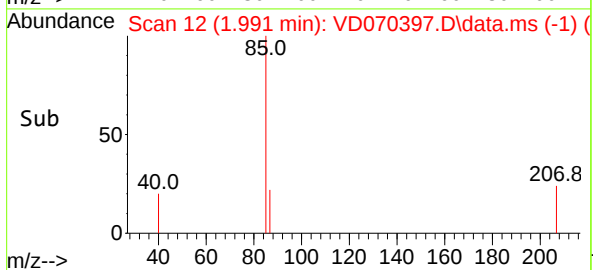
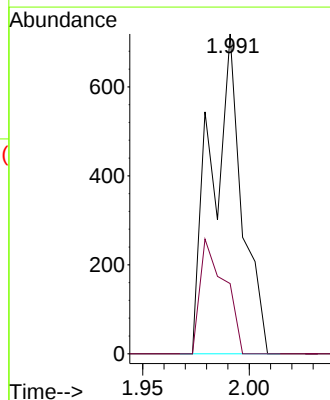
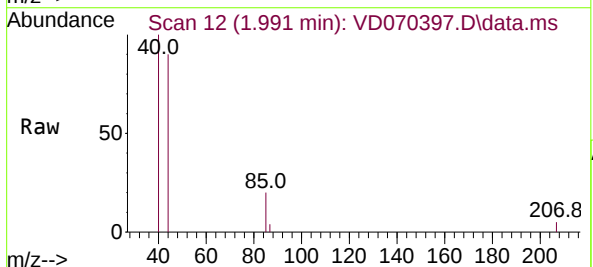
Instrument :
MSVOA_D
ClientSampleId :

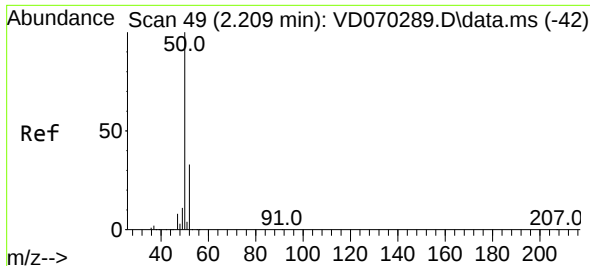
Tgt Ion:168 Resp: 411959
Ion Ratio Lower Upper
168 100
99 63.0 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 85 Resp: 717
Ion Ratio Lower Upper
85 100
87 22.0 15.6 46.8

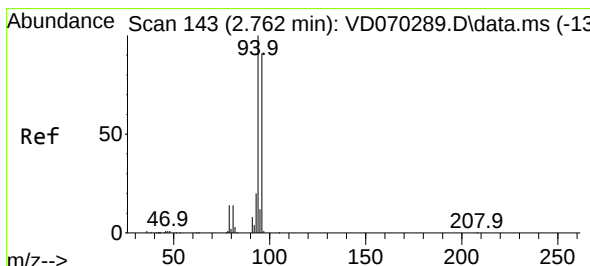
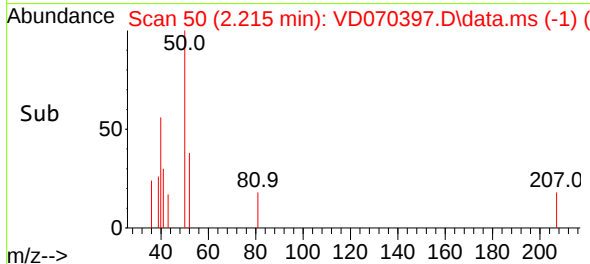
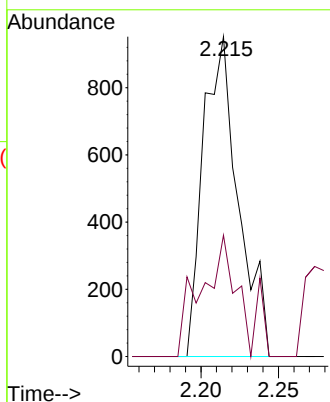
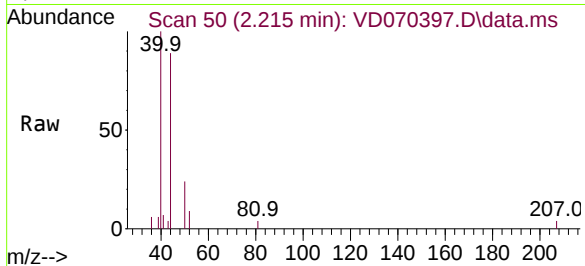




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

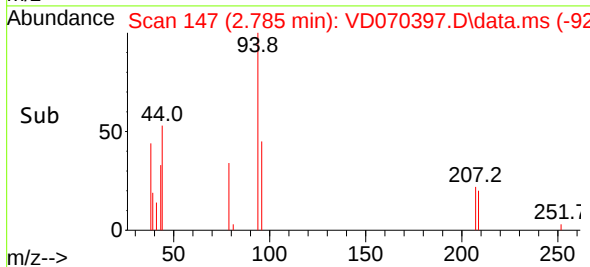
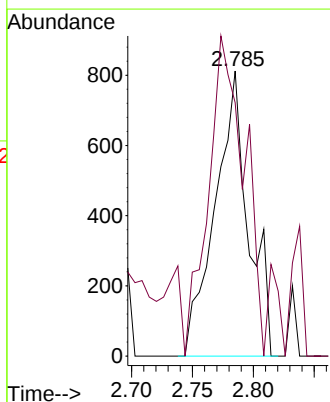
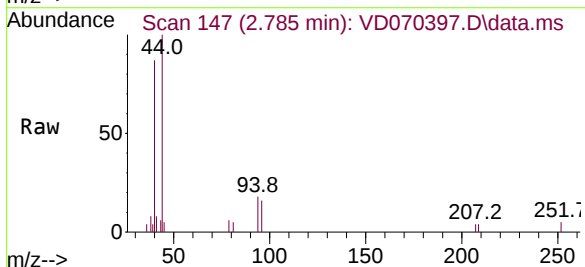
Instrument :
MSVOA_D
ClientSampled :

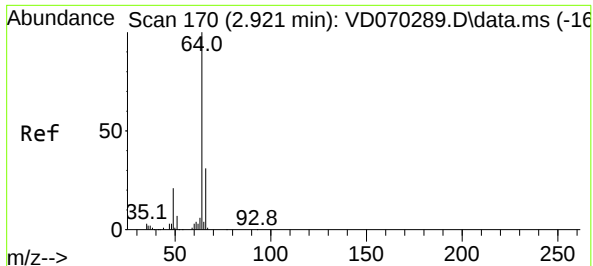
Tgt Ion: 50 Resp: 1501
Ion Ratio Lower Upper
50 100
52 37.9 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 94 Resp: 1539
Ion Ratio Lower Upper
94 100
96 66.1 73.0 109.6#

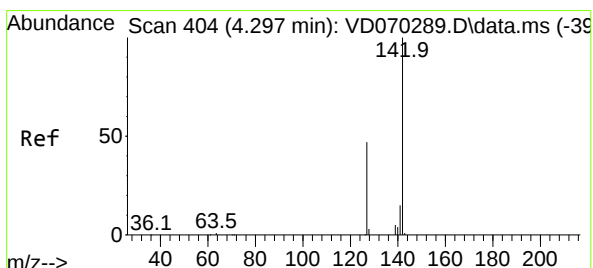
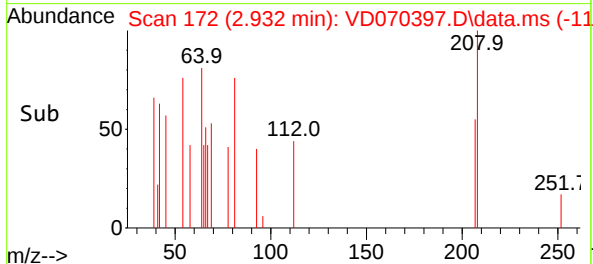
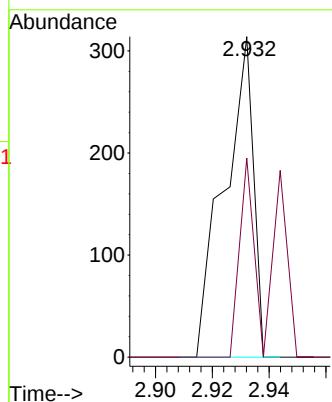
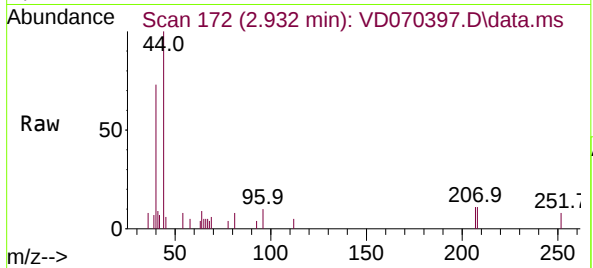




#6
Chloroethane
Concen: Below Cal
RT: 2.932 min Scan# 172
Delta R.T. 0.011 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

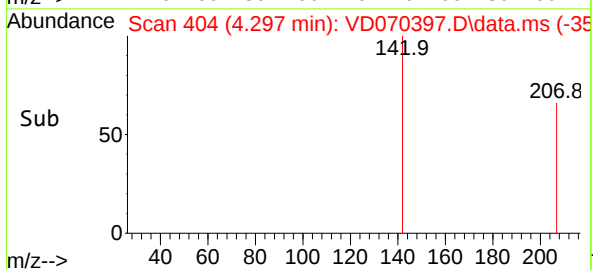
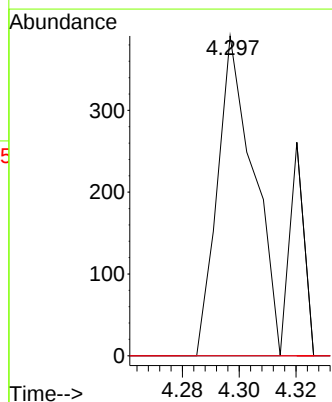
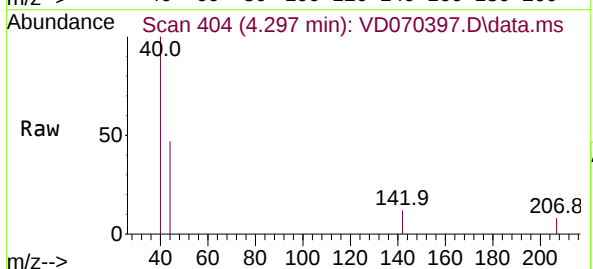
Instrument :
MSVOA_D
ClientSampled :

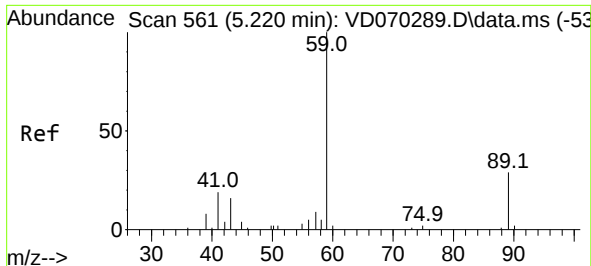
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 62.1 25.0 37.4#



#10
Methyl Iodide
Concen: 1.096 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion:142 Resp: 347
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

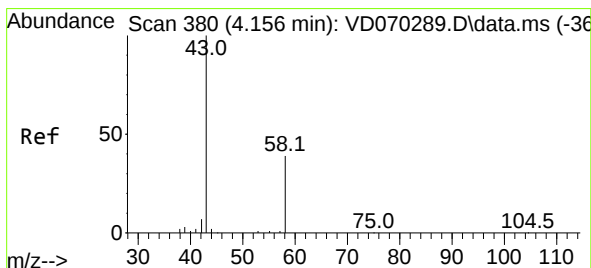
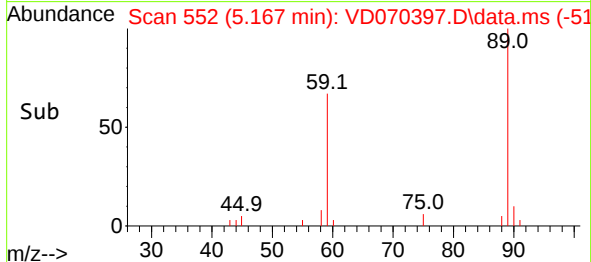
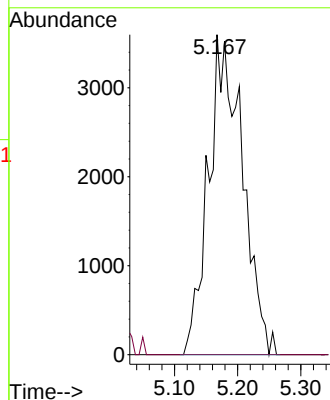
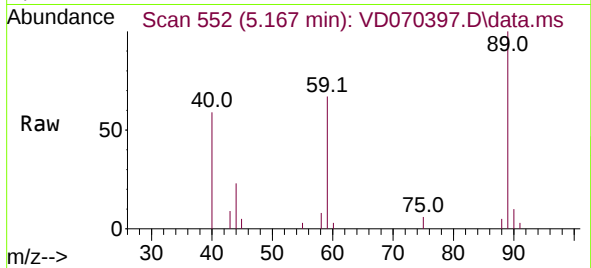




#11
Tert butyl alcohol
Concen: 22.468 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.053 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

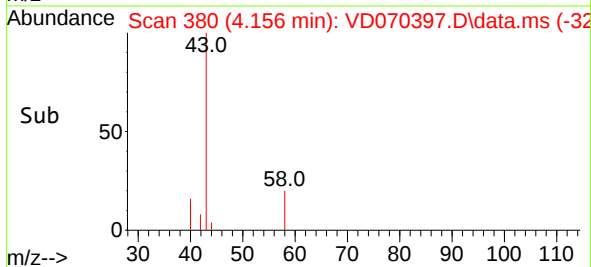
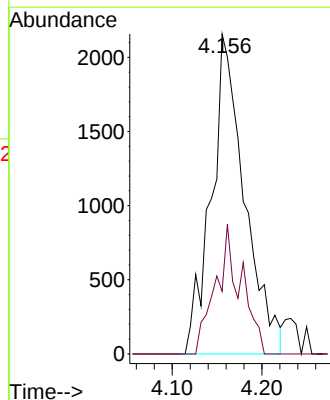
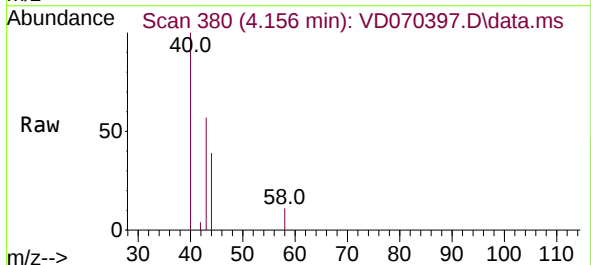
Instrument :
MSVOA_D
ClientSampleId :

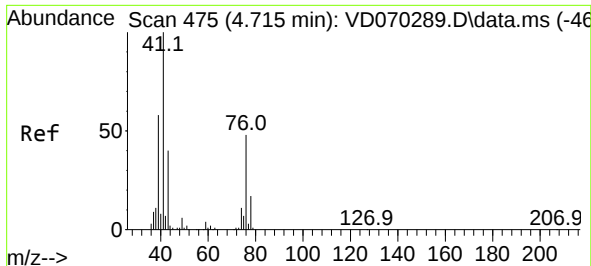
Tgt Ion: 59 Resp: 13438
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 5.882 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 43 Resp: 5555
Ion Ratio Lower Upper
43 100
58 19.6 30.9 46.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.785 min Scan# 487

Delta R.T. 0.070 min

Lab File: VD070397.D

Acq: 21 Sep 2021 11:49

Instrument :

MSVOA_D

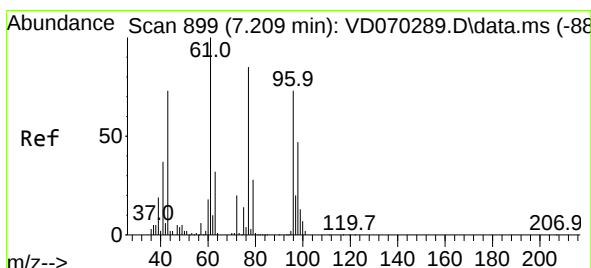
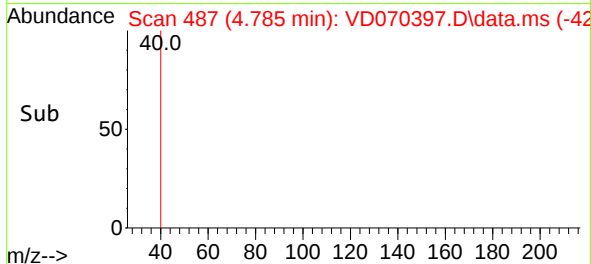
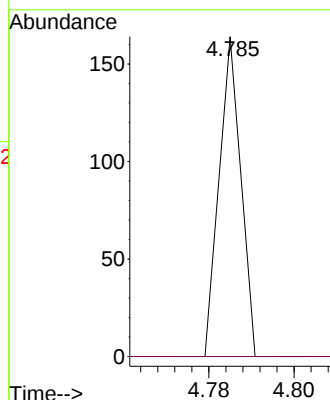
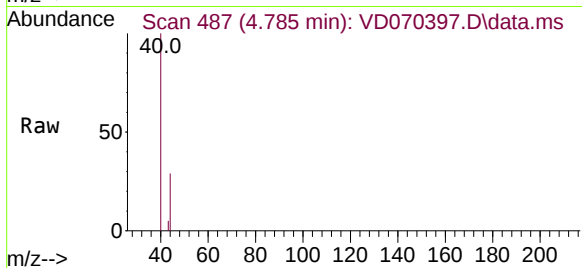
ClientSampled :

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#25

2-Butanone

Concen: 1.538 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD070397.D

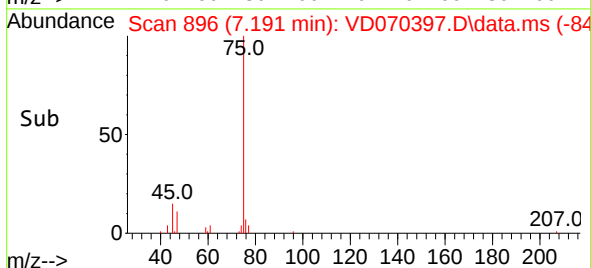
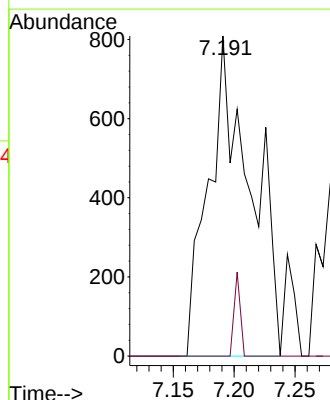
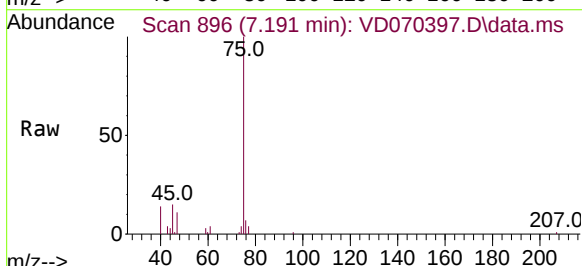
Acq: 21 Sep 2021 11:49

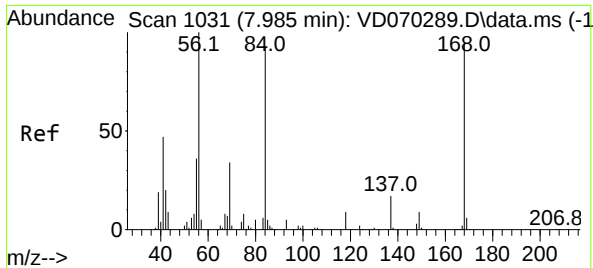
Tgt Ion: 43 Resp: 1934

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.4#

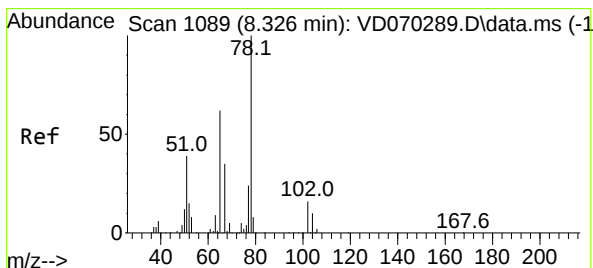
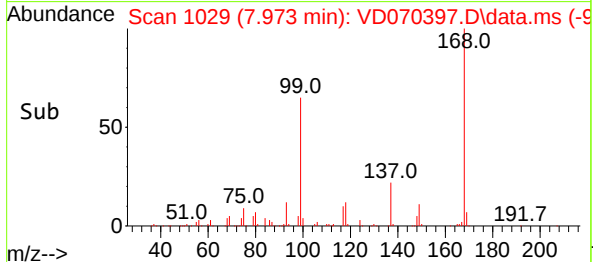
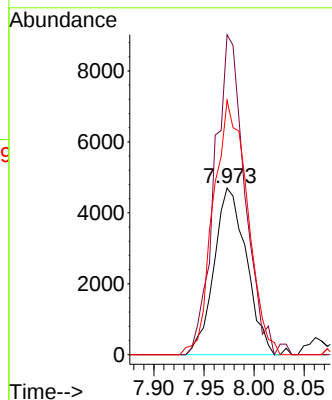
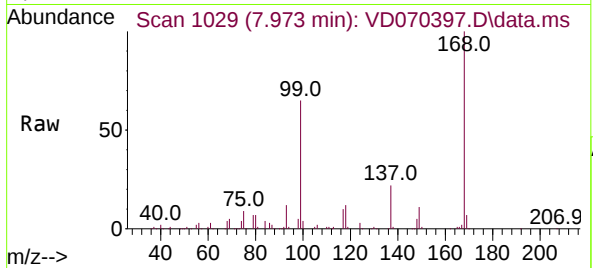




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

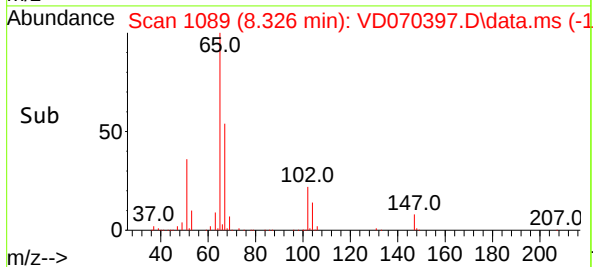
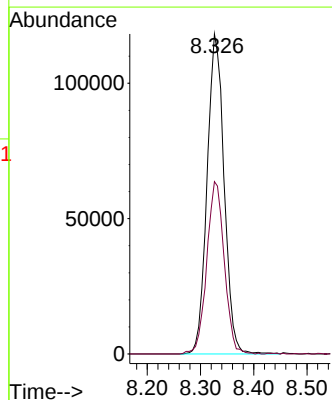
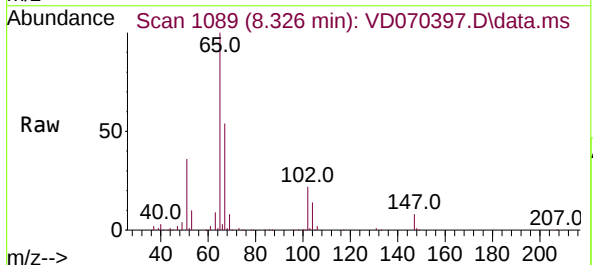
Instrument :
MSVOA_D
ClientSampleId :

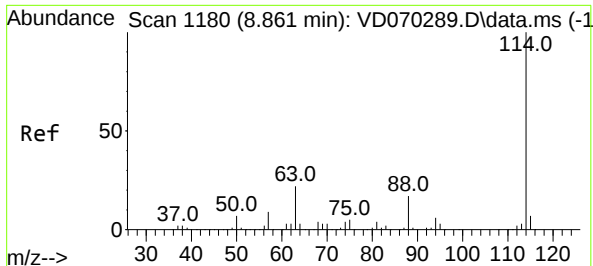
Tgt Ion: 56 Resp: 10533
Ion Ratio Lower Upper
56 100
69 192.1 26.9 40.3#
84 152.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 49.505 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 65 Resp: 261864
Ion Ratio Lower Upper
65 100
67 55.4 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: VD070397.D

Acq: 21 Sep 2021 11:49

Tgt Ion:114 Resp: 798284

Ion Ratio Lower Upper

114 100

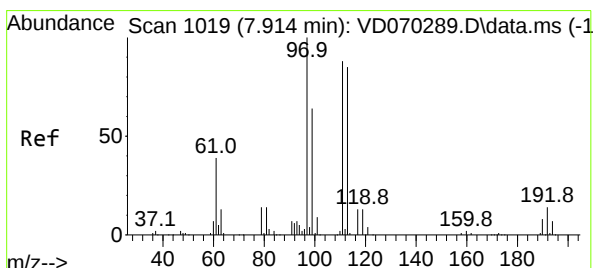
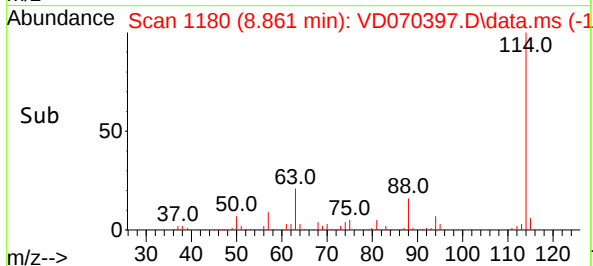
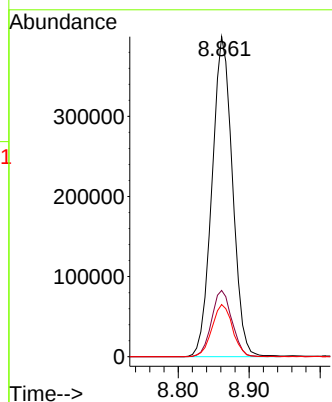
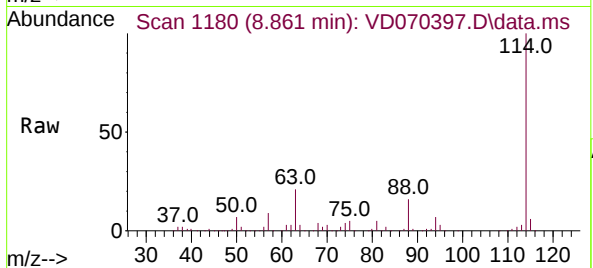
63 20.7 0.0 43.4

88 16.3 0.0 33.4

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 46.943 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070397.D

Acq: 21 Sep 2021 11:49

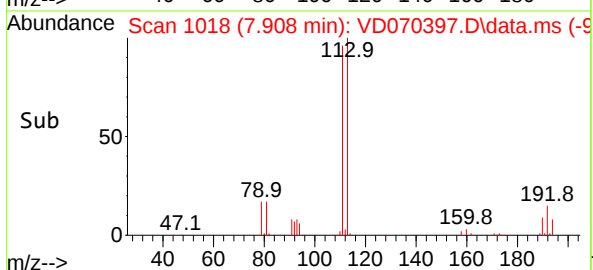
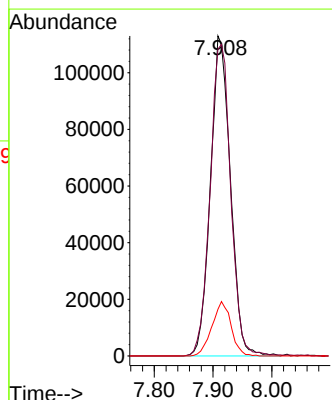
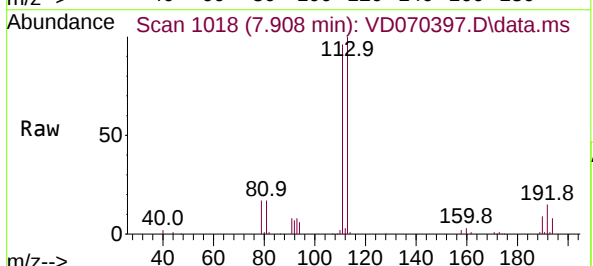
Tgt Ion:113 Resp: 266746

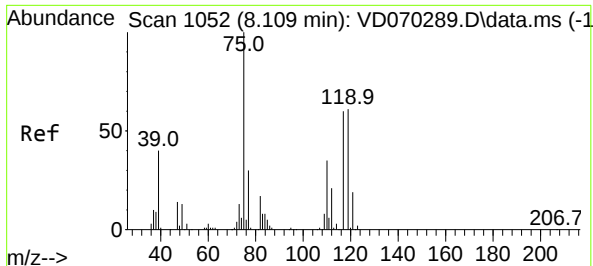
Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

192 16.4 13.0 19.6

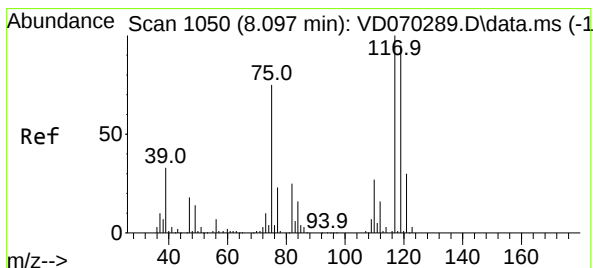
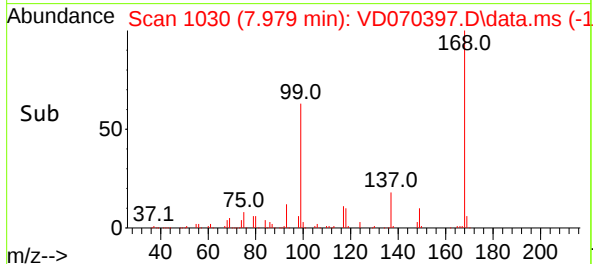
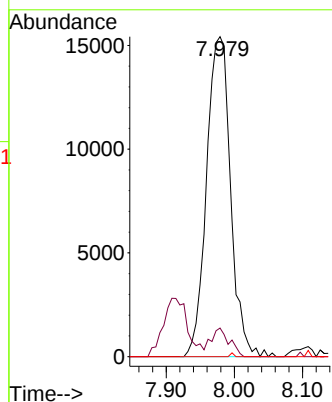
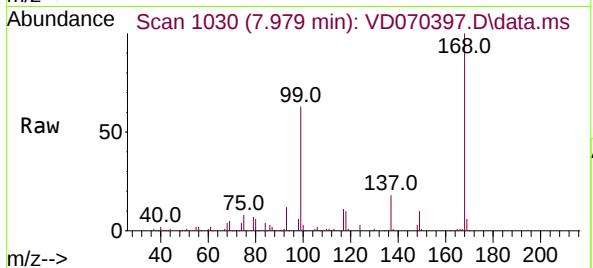




#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

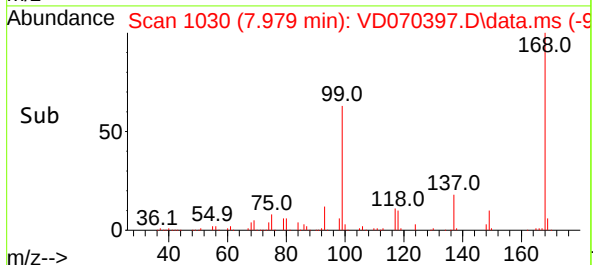
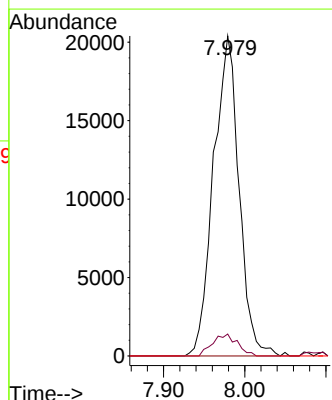
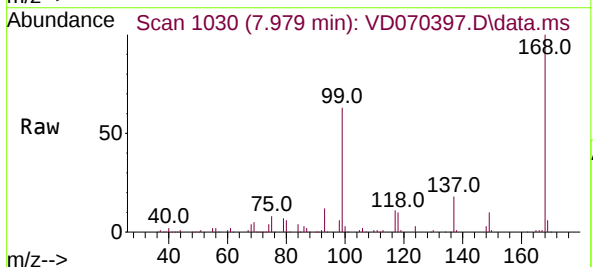
Instrument :
MSVOA_D
ClientSampled :

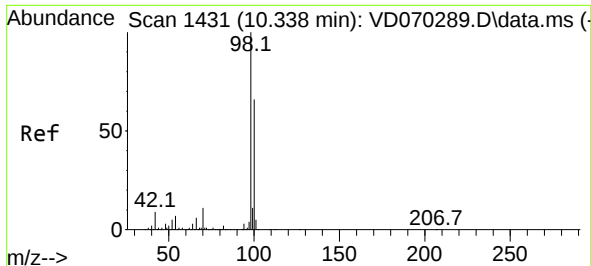
Tgt Ion: 75 Resp: 37861
Ion Ratio Lower Upper
75 100
110 6.8 17.9 53.7#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.284 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 117 Resp: 44592
Ion Ratio Lower Upper
117 100
119 6.9 76.1 114.1#
121 0.0 23.8 35.6#

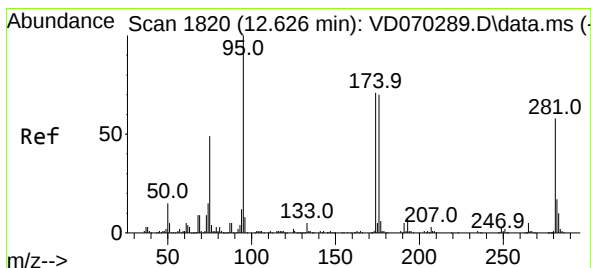
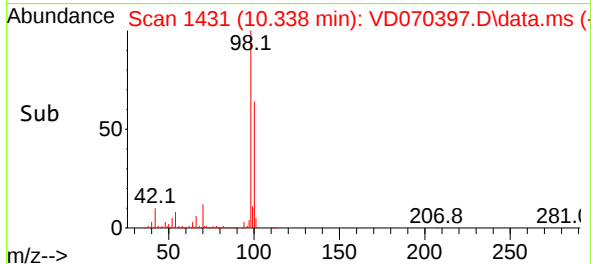
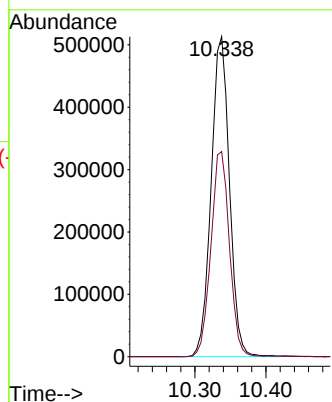
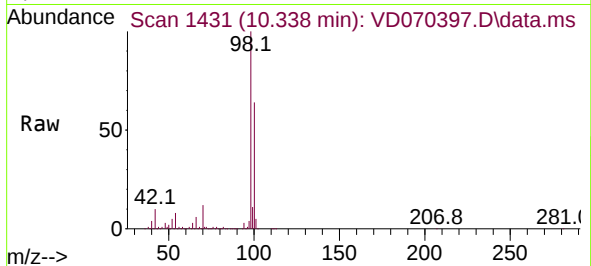




#50
Toluene-d8
Concen: 44.562 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

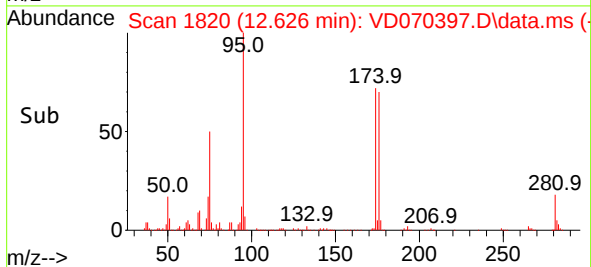
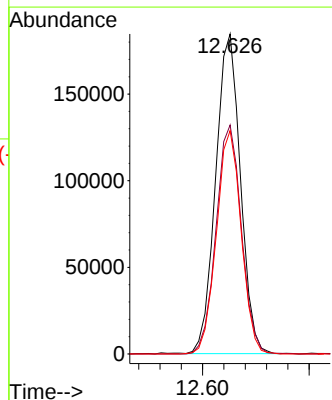
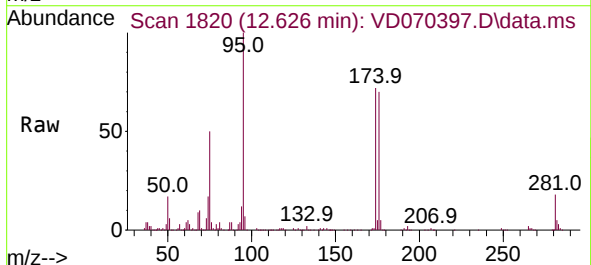
Instrument :
MSVOA_D
ClientSampled :

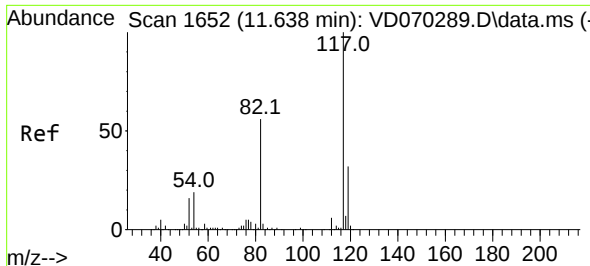
Tgt Ion: 98 Resp: 919351
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.200 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 95 Resp: 297060
Ion Ratio Lower Upper
95 100
174 73.4 0.0 140.6
176 69.7 0.0 137.4

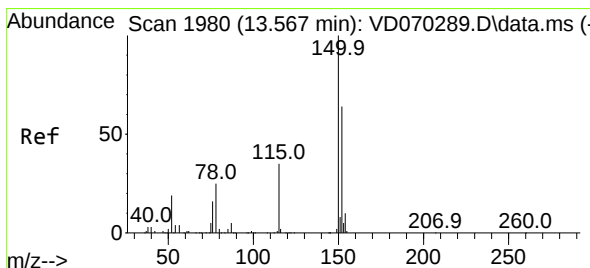
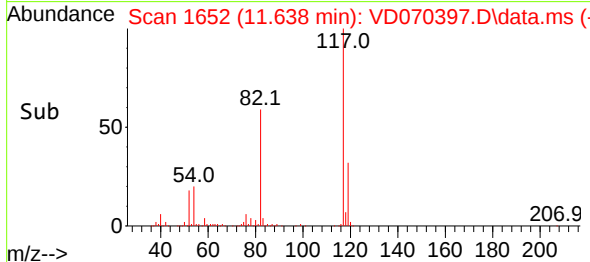
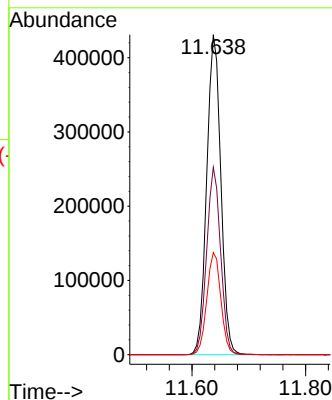
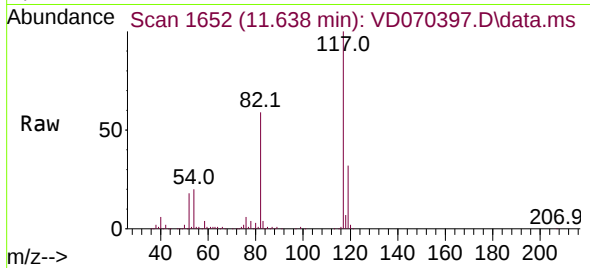




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

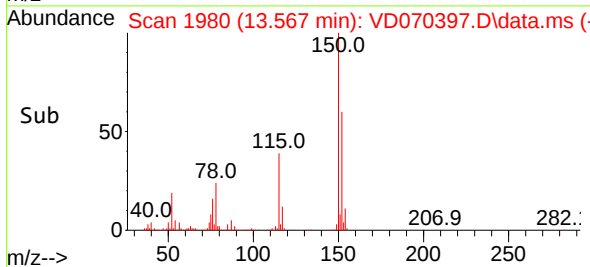
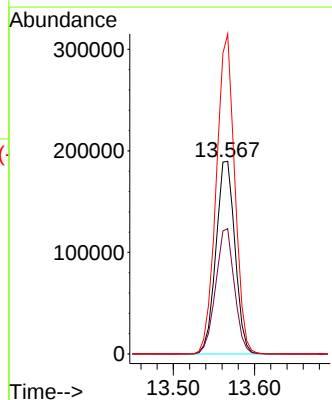
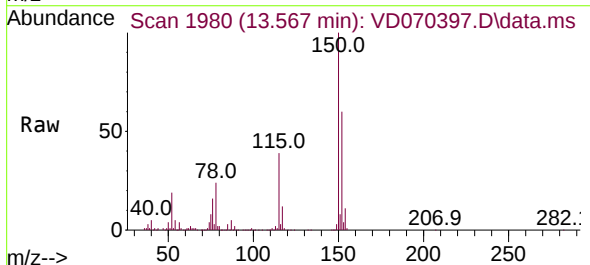
Instrument :
MSVOA_D
ClientSampleId :

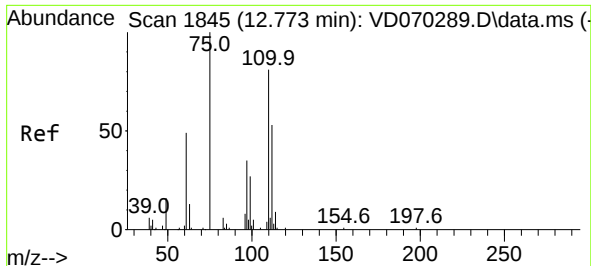
Tgt Ion:117 Resp: 740103
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion:152 Resp: 309530
Ion Ratio Lower Upper
152 100
115 64.2 32.1 96.3
150 160.6 0.0 350.6

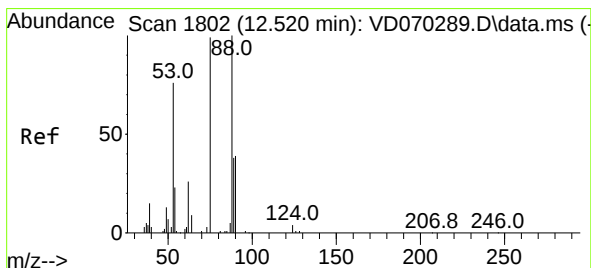
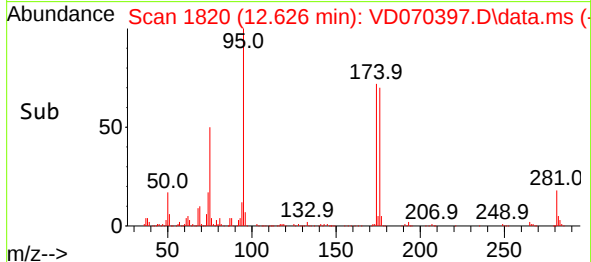
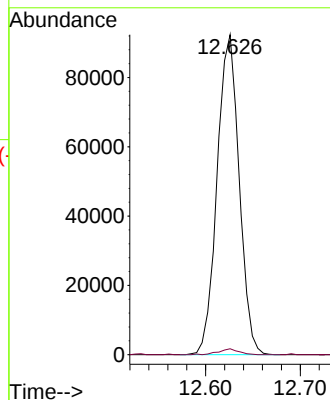
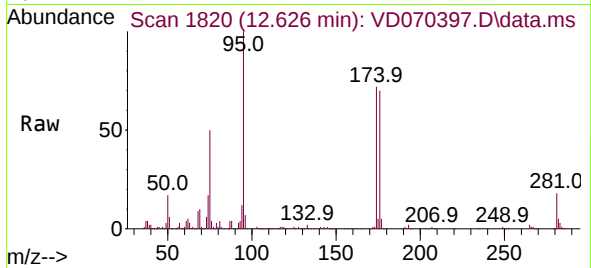




#76
1,2,3-Trichloropropane
Concen: 47.730 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 149440
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.592 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070397.D
Acq: 21 Sep 2021 11:49

Tgt Ion: 75 Resp: 149440
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.2 35.6 53.4#

