

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070523.D
 Acq On : 29 Sep 2021 15:18
 Operator : VA/SY
 Sample : M3975-01
 Misc : 7.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-837-R-SO-2-2.5-092821

Quant Time: Sep 30 00:45:42 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

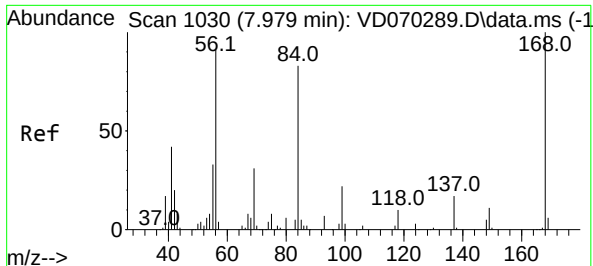
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	276635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	580743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	588129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247636	69.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.440%	
35) Dibromofluoromethane	7.914	113	223628	54.097	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.200%	
50) Toluene-d8	10.332	98	754781	50.289	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.580%	
62) 4-Bromofluorobenzene	12.620	95	308709	58.853	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	100	Below Cal	#	43
3) Chloromethane	2.209	50	377	Below Cal	#	42
5) Bromomethane	2.785	94	1223	Below Cal		87
6) Chloroethane	2.868	64	74	Below Cal	#	12
10) Methyl Iodide	4.297	142	213	1.090	ug/l #	39
11) Tert butyl alcohol	5.185	59	4869	12.123	ug/l #	100
16) Acetone	4.156	43	45827	72.263	ug/l	98
18) Methyl Acetate	4.726	43	1051	Below Cal	#	48
25) 2-Butanone	7.208	43	7000	8.292	ug/l	92
31) Cyclohexane	7.973	56	6211	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	24513	3.949	ug/l #	48
37) Ethyl Acetate	7.208	43	7000	3.016	ug/l #	80
38) Carbon Tetrachloride	7.979	117	32303	5.262	ug/l #	17
51) 4-Methyl-2-Pentanone	10.220	43	3514	1.582	ug/l	93
74) N-amyl acetate	12.261	43	17898	4.054	ug/l #	69
76) 1,2,3-Trichloropropane	12.620	75	149632	51.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	149632	128.276	ug/l #	18

(#) = 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

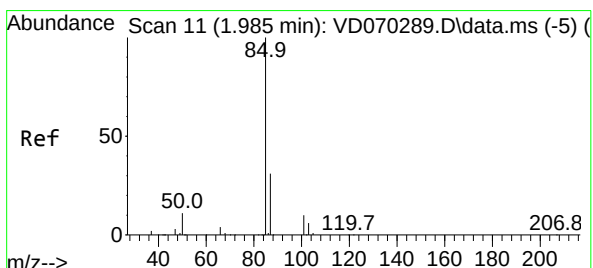
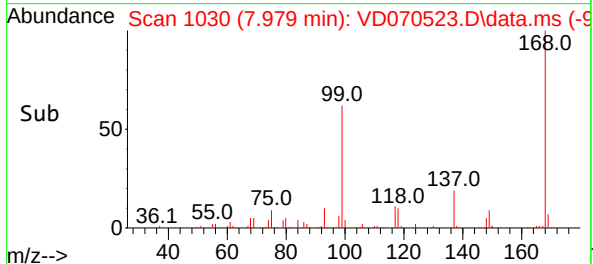
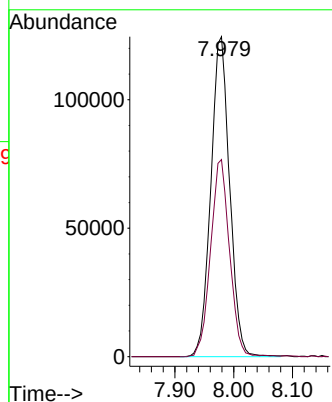
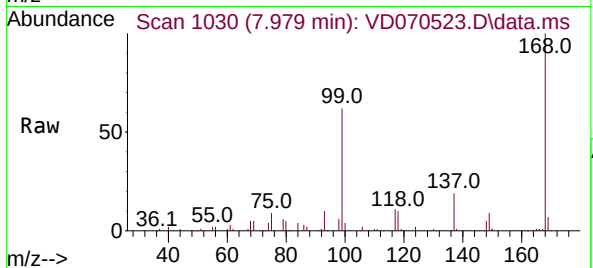




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

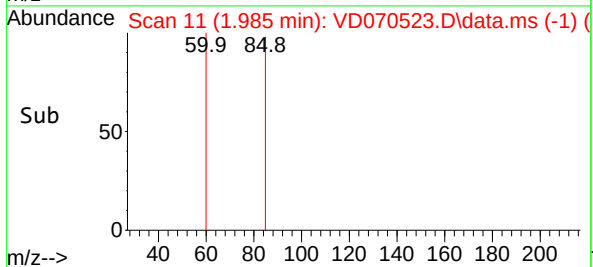
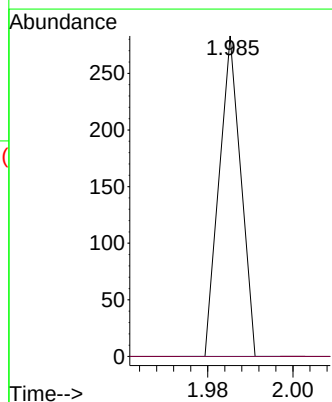
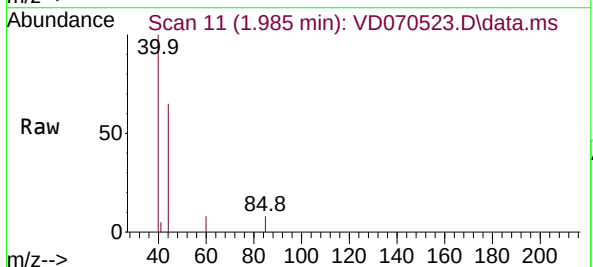
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

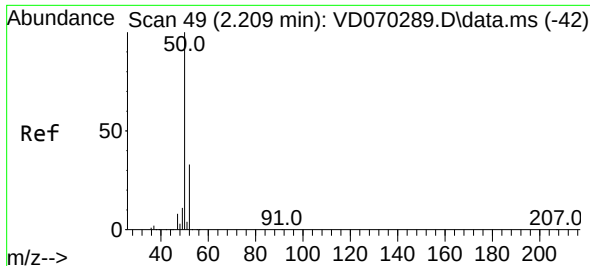
Tgt Ion:168 Resp: 276635
Ion Ratio Lower Upper
168 100
99 61.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

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

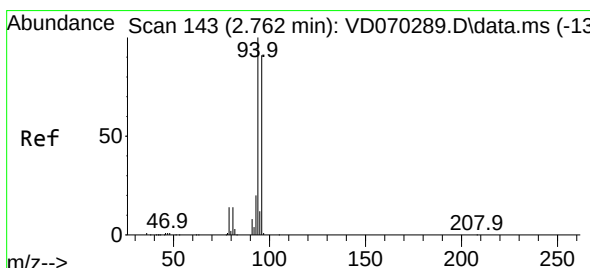
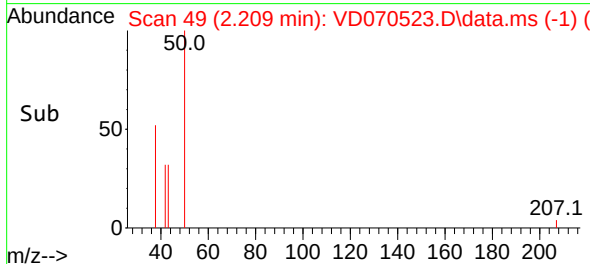
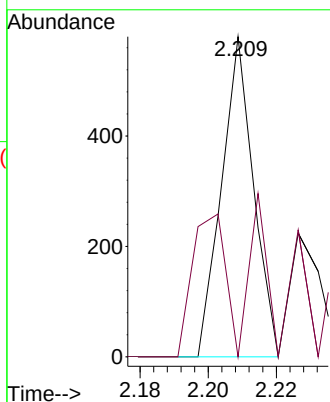
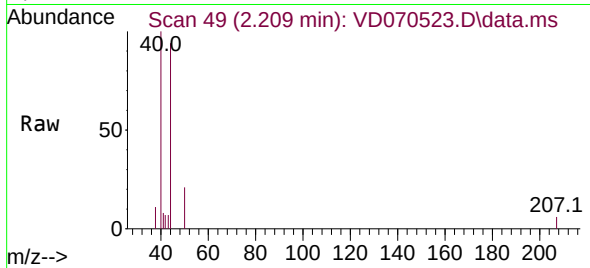




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

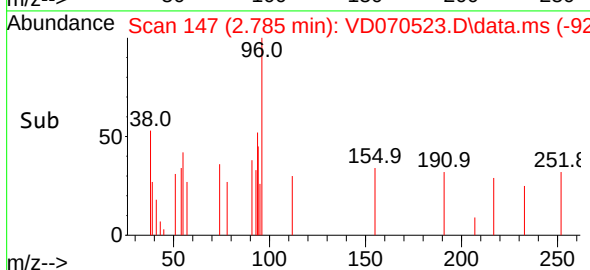
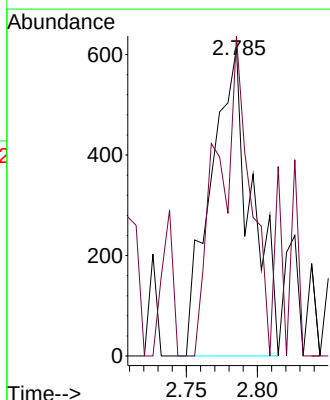
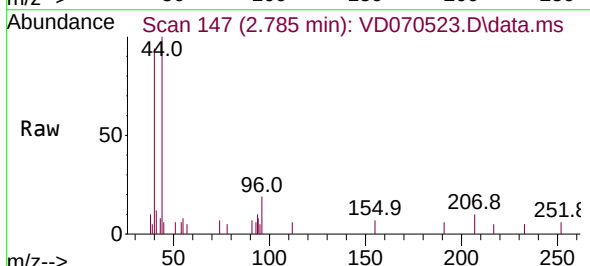
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

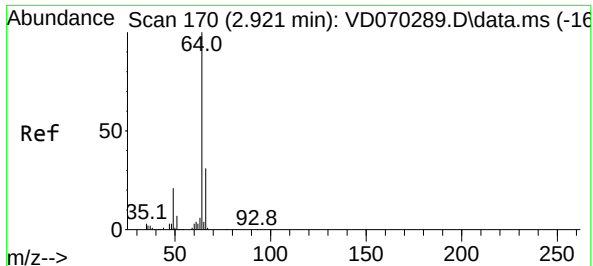
Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Tgt Ion: 94 Resp: 1223
Ion Ratio Lower Upper
94 100
96 103.9 73.0 109.6

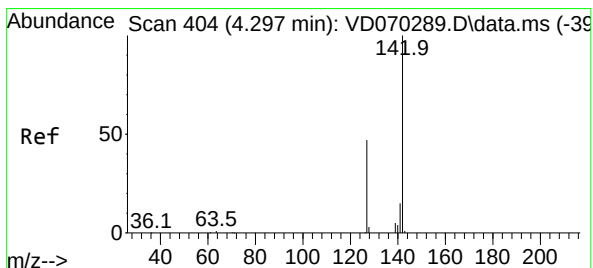
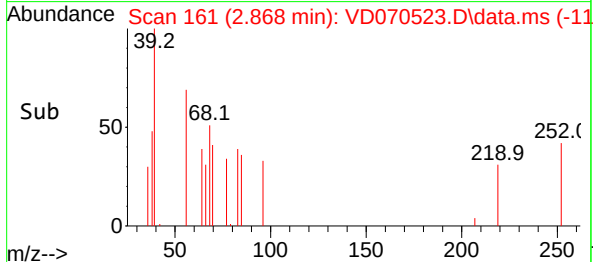
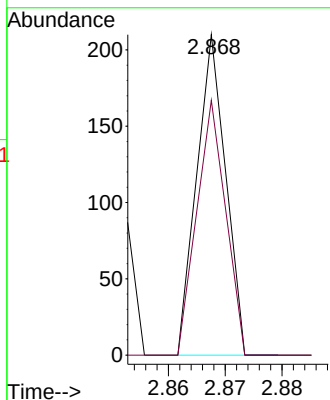
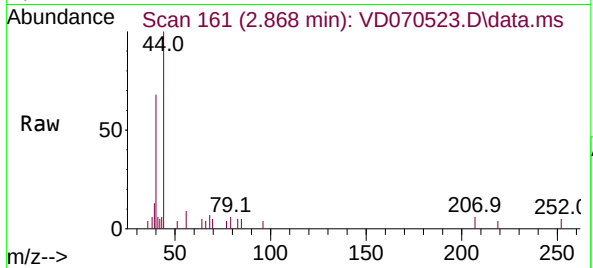




#6
Chloroethane
Concen: Below Cal
RT: 2.868 min Scan# 161
Delta R.T. -0.053 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

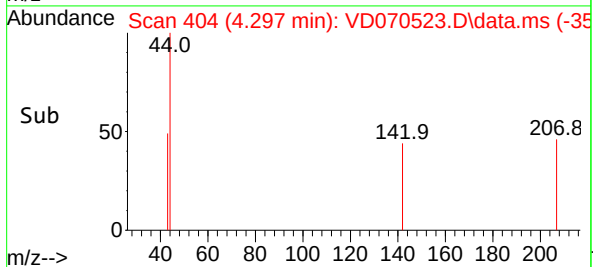
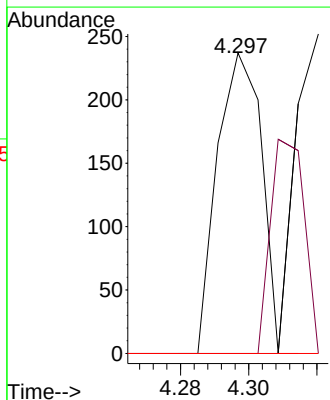
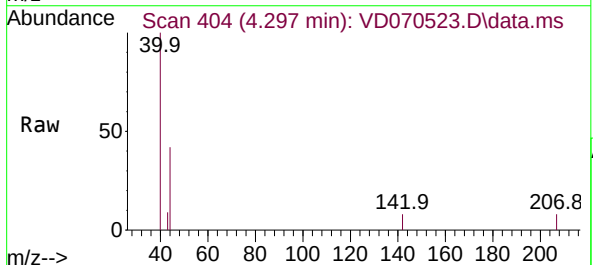
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

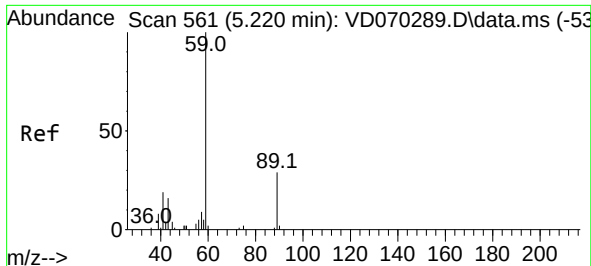
Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 79.5 25.0 37.4#



#10
Methyl Iodide
Concen: 1.090 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

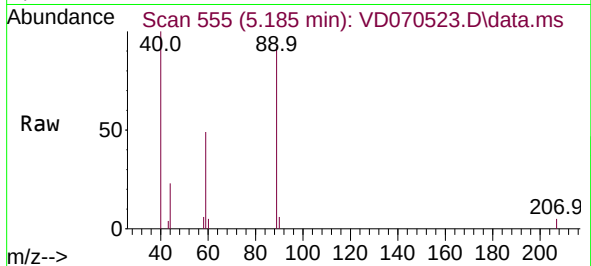
Tgt Ion:142 Resp: 213
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



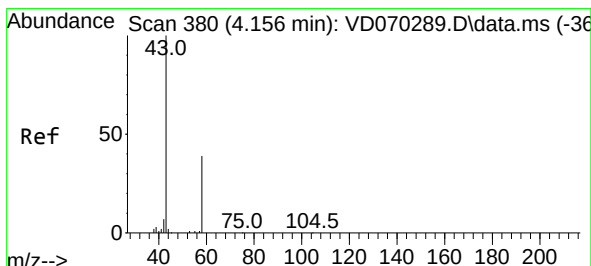
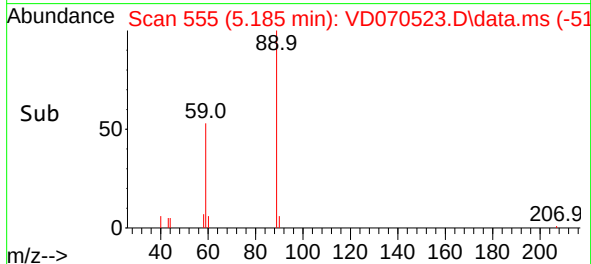
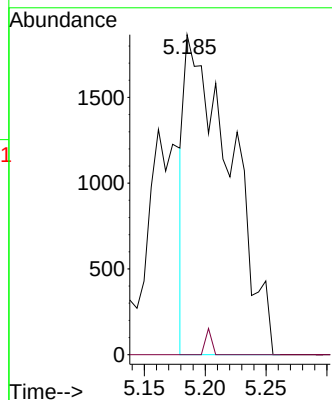


#11
Tert butyl alcohol
Concen: 12.123 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

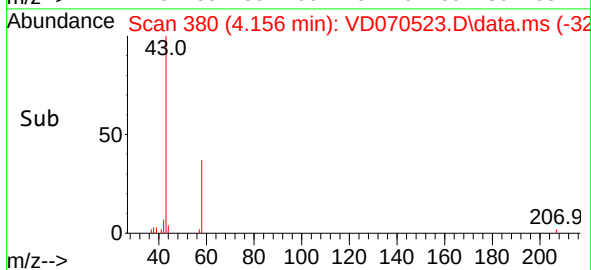
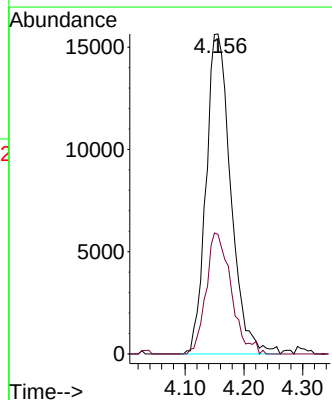
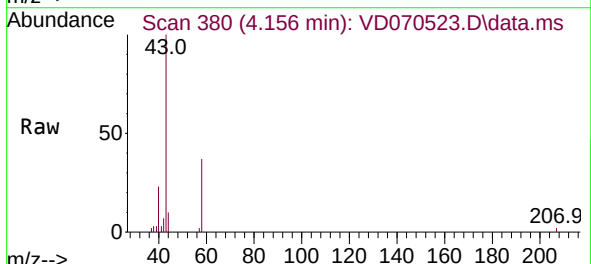


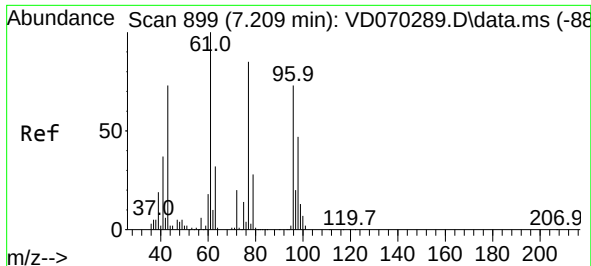
Tgt Ion: 59 Resp: 4869
Ion Ratio Lower Upper
59 100
57 1.1 0.0 0.0#



#16
Acetone
Concen: 72.263 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

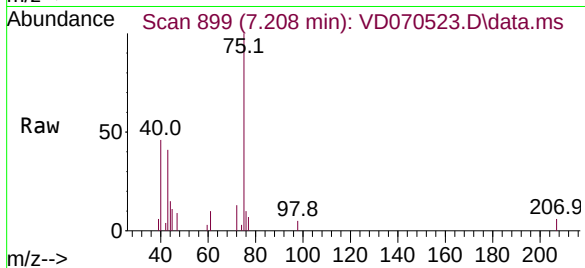
Tgt Ion: 43 Resp: 45827
Ion Ratio Lower Upper
43 100
58 37.4 30.9 46.3



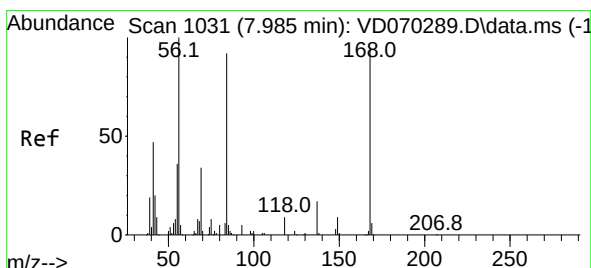
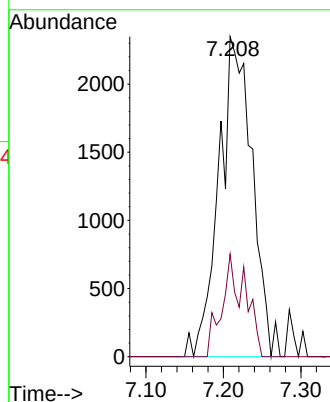
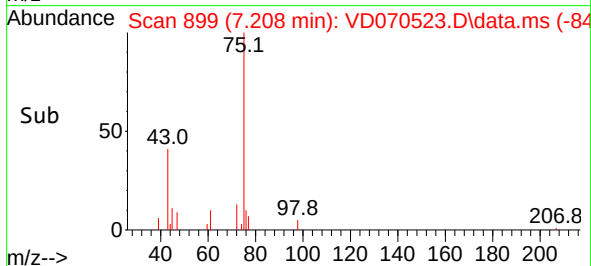


#25
2-Butanone
Concen: 8.292 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

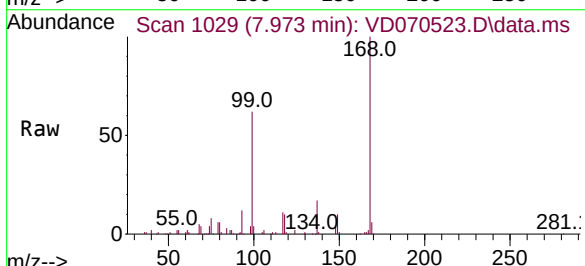
Instrument :
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ClientSampleId :
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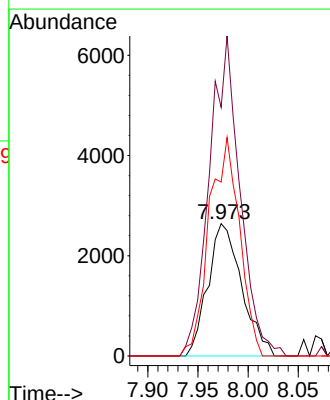
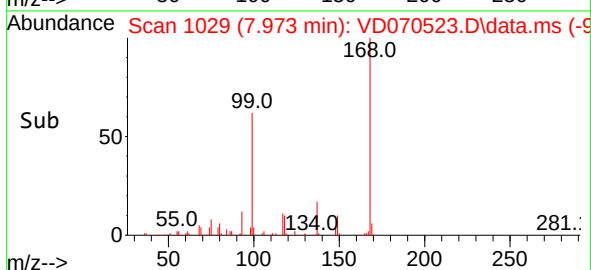
Tgt Ion: 43 Resp: 7000
Ion Ratio Lower Upper
43 100
72 32.1 22.2 33.4

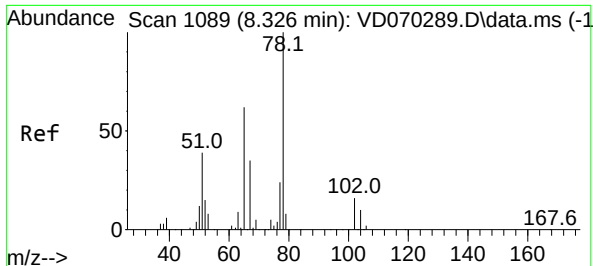


#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18



Tgt Ion: 56 Resp: 6211
Ion Ratio Lower Upper
56 100
69 188.0 26.9 40.3#
84 131.5 73.6 110.4#

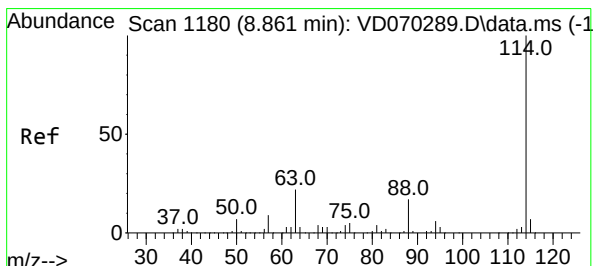
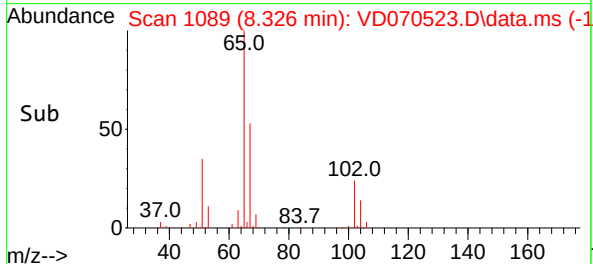
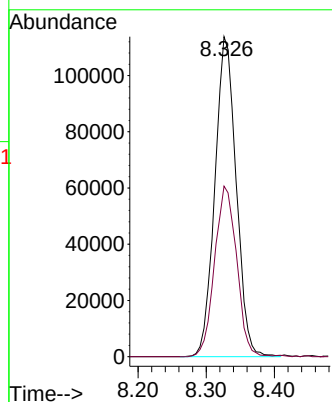
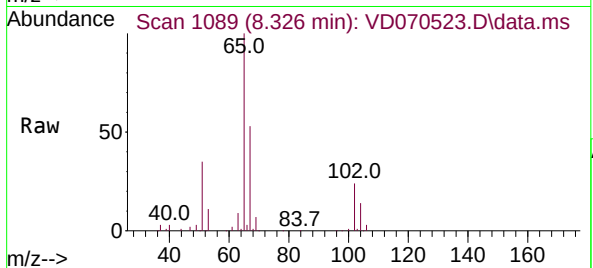




#33
1,2-Dichloroethane-d4
Concen: 69.716 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

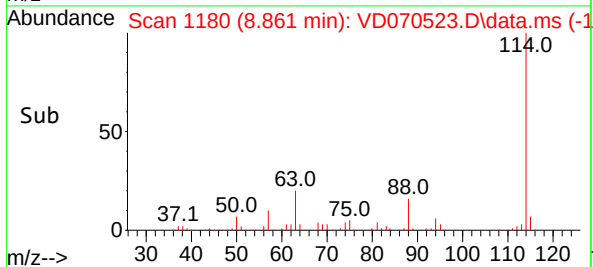
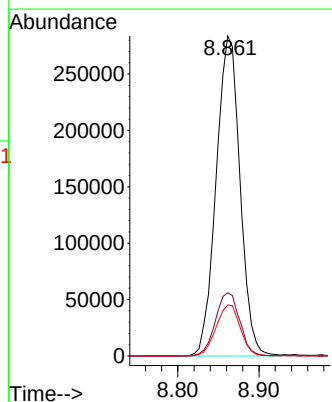
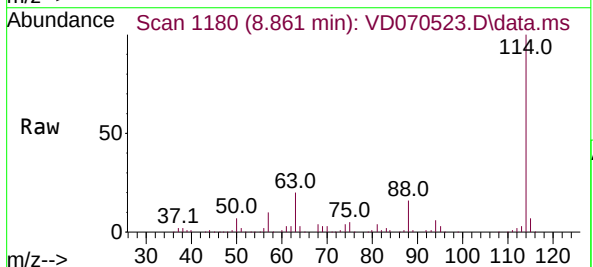
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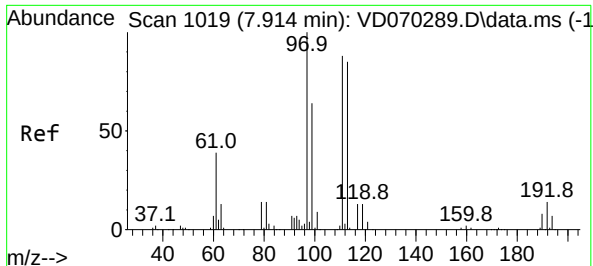
Tgt Ion: 65 Resp: 247636
Ion Ratio Lower Upper
65 100
67 55.1 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Tgt Ion: 114 Resp: 580743
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.4
88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.097 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070523.D

Acq: 29 Sep 2021 15:18

Tgt Ion:113 Resp: 223628

Ion Ratio Lower Upper

113 100

111 104.8 81.4 122.2

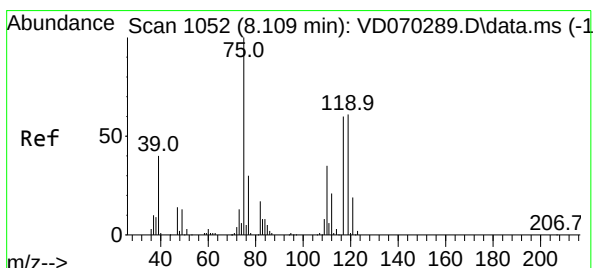
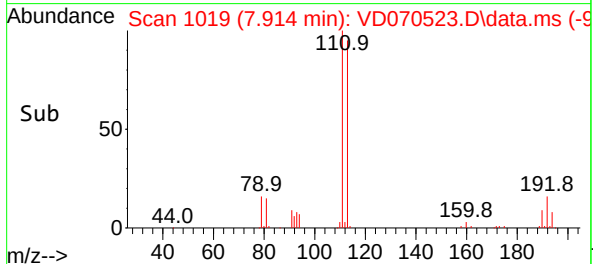
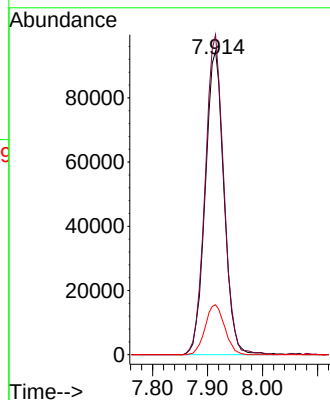
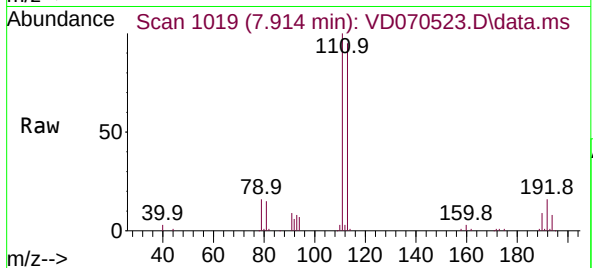
192 17.1 13.0 19.6

Instrument :

MSVOA_D

ClientSampleId :

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#36

1,1-Dichloropropene

Concen: 3.949 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070523.D

Acq: 29 Sep 2021 15:18

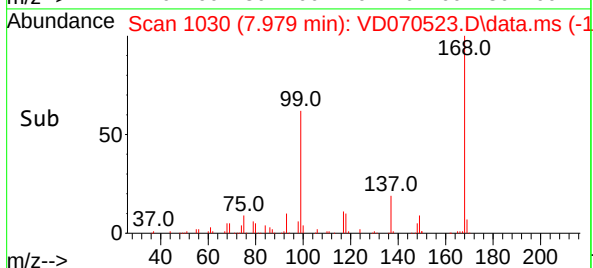
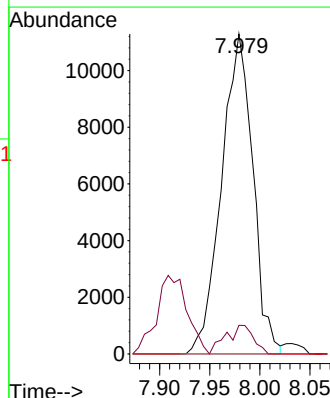
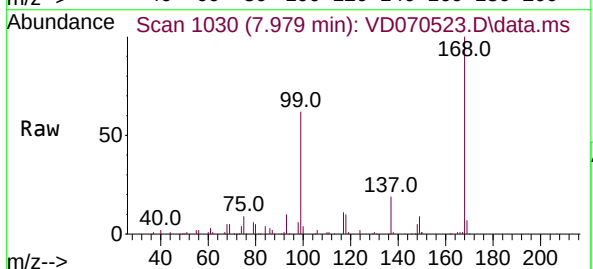
Tgt Ion: 75 Resp: 24513

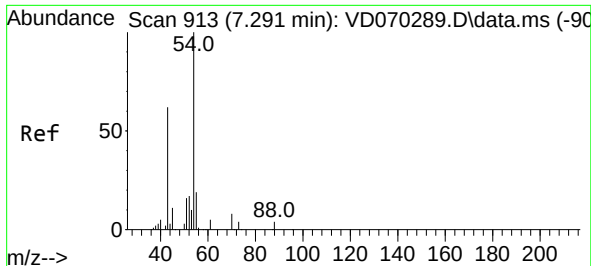
Ion Ratio Lower Upper

75 100

110 7.9 17.9 53.7#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.016 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD070523.D

Acq: 29 Sep 2021 15:18

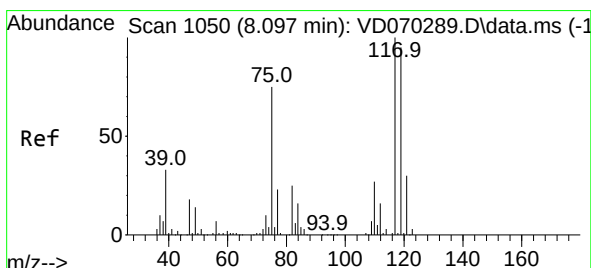
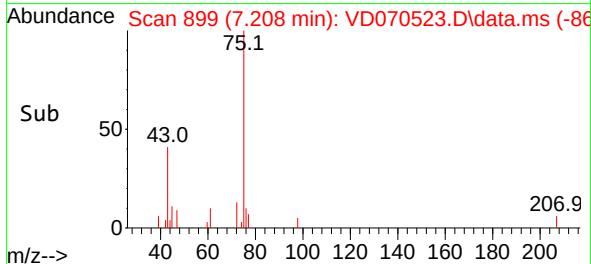
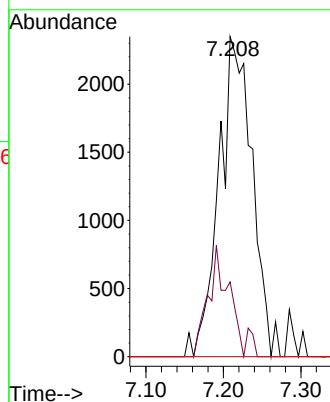
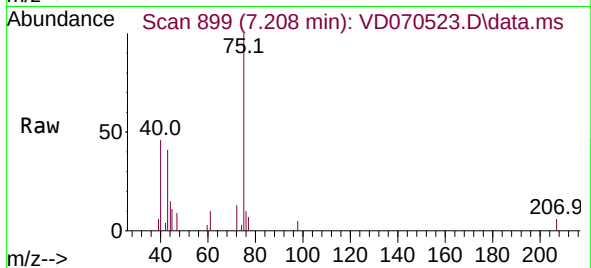
Instrument :

MSVOA_D

ClientSampleId :

S-837-R-SO-2-2.5-092821

Tgt Ion: 43	Resp:	7000
Ion Ratio	Lower	Upper
43	100	
61	21.5	13.0 19.6#
70	0.0	9.8 14.6#



#38

Carbon Tetrachloride

Concen: 5.262 ug/l

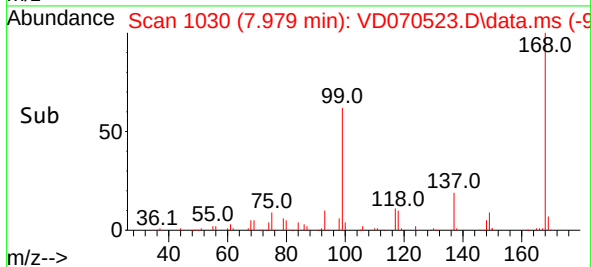
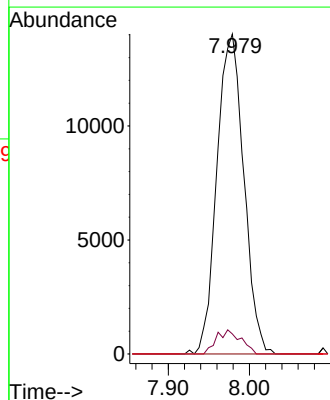
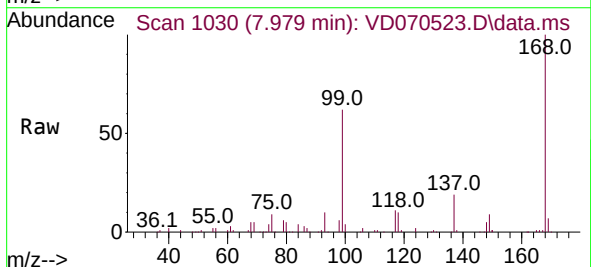
RT: 7.979 min Scan# 1030

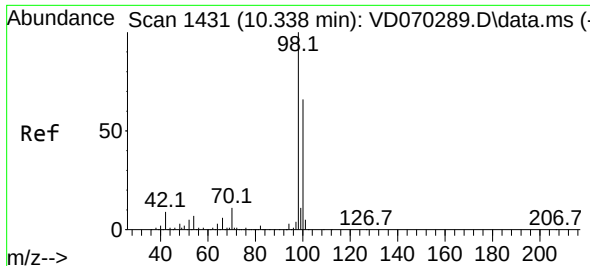
Delta R.T. -0.118 min

Lab File: VD070523.D

Acq: 29 Sep 2021 15:18

Tgt Ion: 117	Resp:	32303
Ion Ratio	Lower	Upper
117	100	
119	6.2	76.1 114.1#
121	0.0	23.8 35.6#

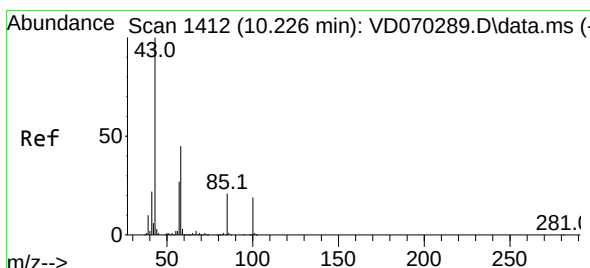
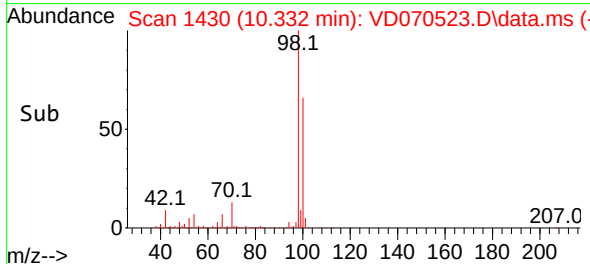
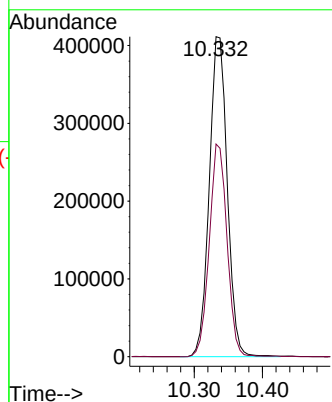
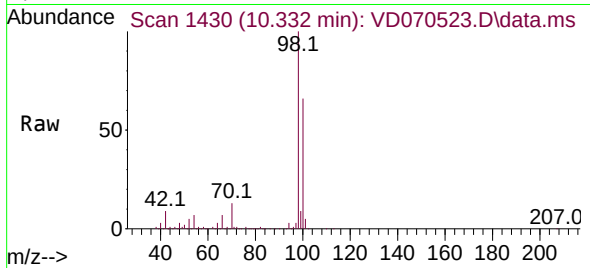




#50
Toluene-d8
Concen: 50.289 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

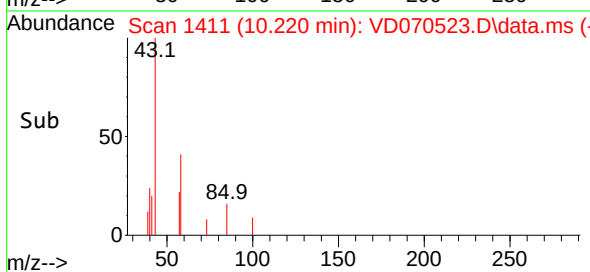
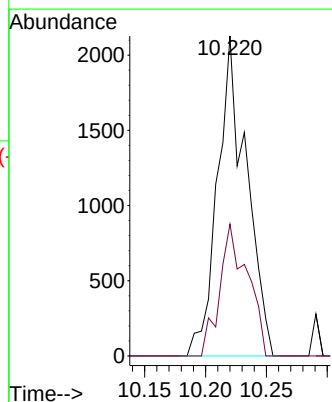
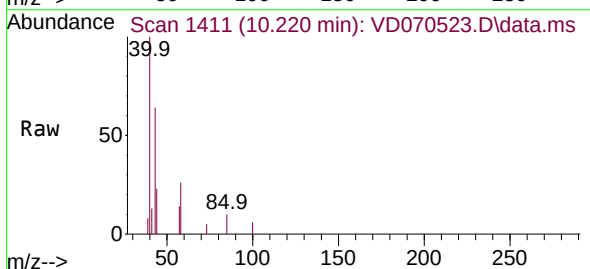
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

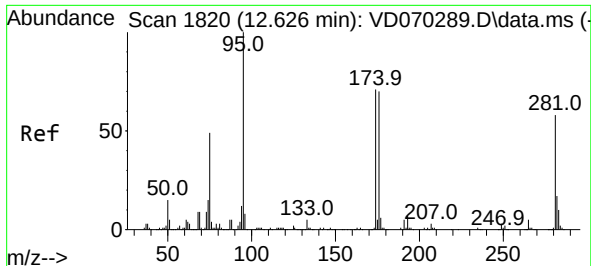
Tgt Ion: 98 Resp: 754781
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.582 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
58 39.6 35.4 53.2

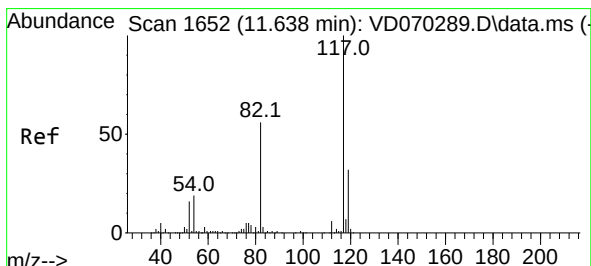
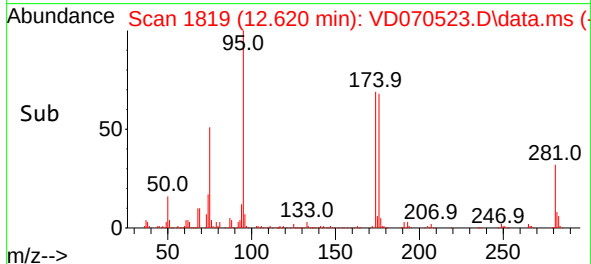
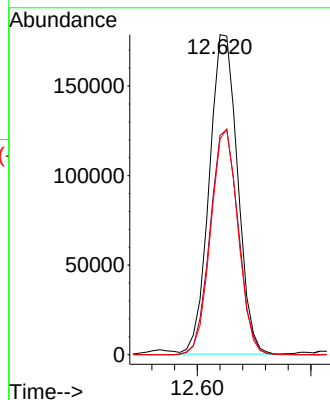
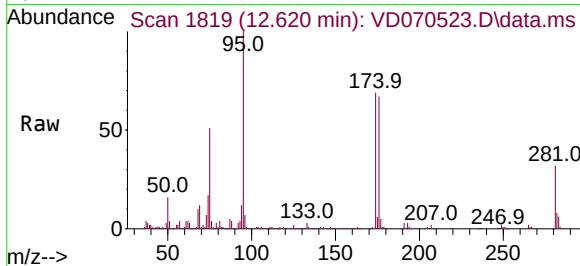




#62
4-Bromofluorobenzene
Concen: 58.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

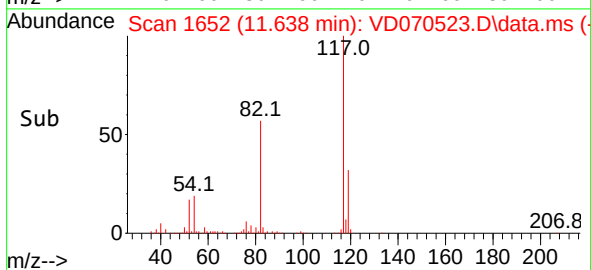
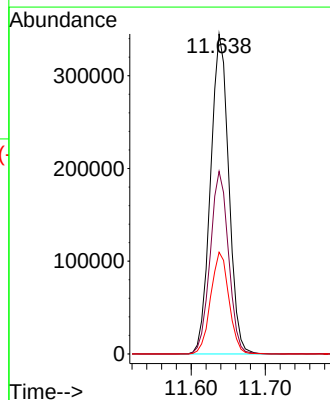
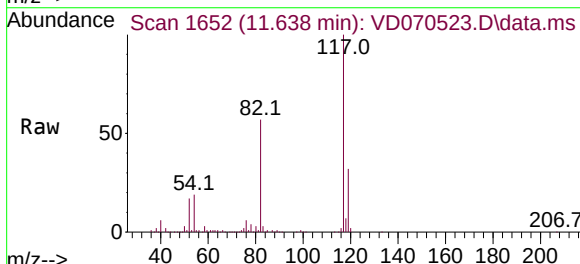
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

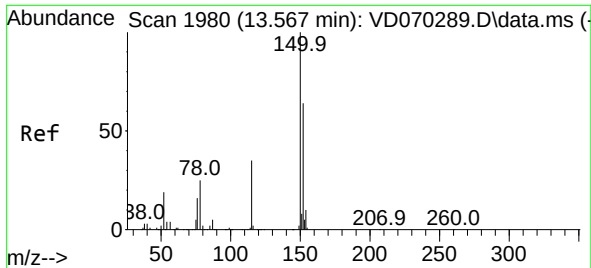
Tgt Ion: 95 Resp: 308709
Ion Ratio Lower Upper
95 100
174 70.2 0.0 140.6
176 68.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Tgt Ion: 117 Resp: 588129
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 31.8 25.2 37.8

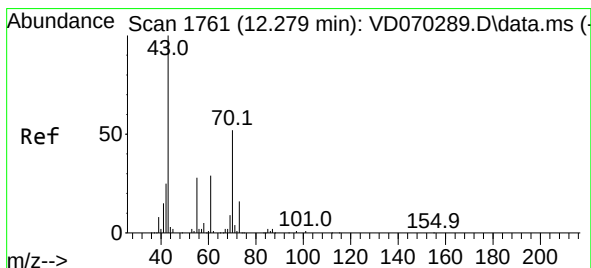
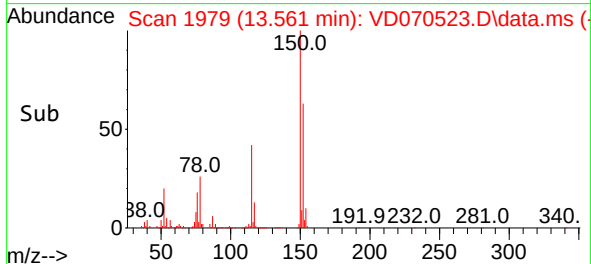
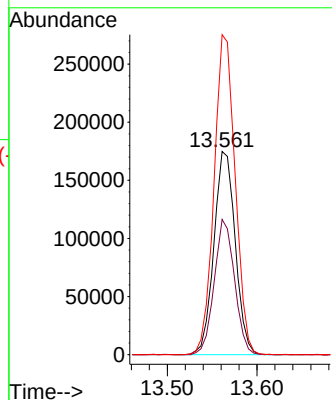
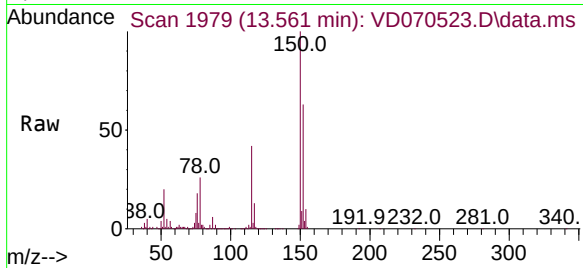




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

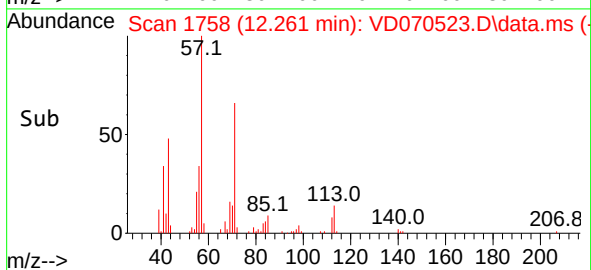
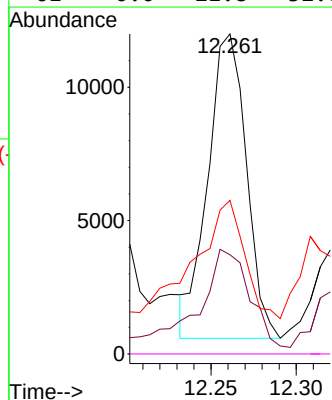
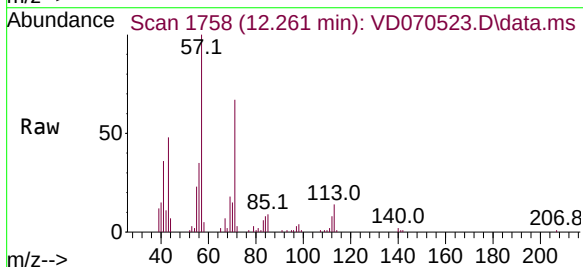
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

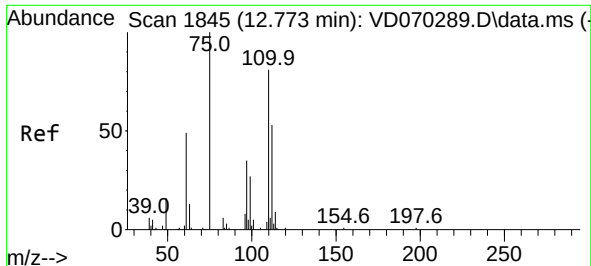
Tgt Ion:152 Resp: 288946
Ion Ratio Lower Upper
152 100
115 63.3 32.1 96.3
150 155.5 0.0 350.6



#74
N-ethyl acetate
Concen: 4.054 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Tgt Ion: 43 Resp: 17898
Ion Ratio Lower Upper
43 100
70 42.0 41.4 62.0
55 50.9 22.8 34.2#
61 0.0 21.8 32.6#

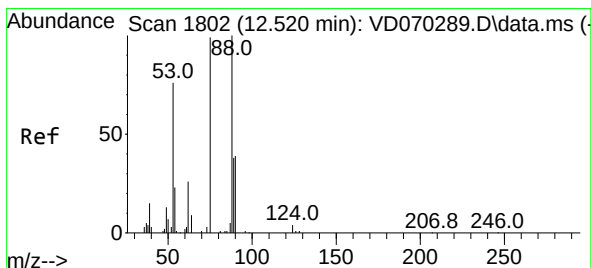
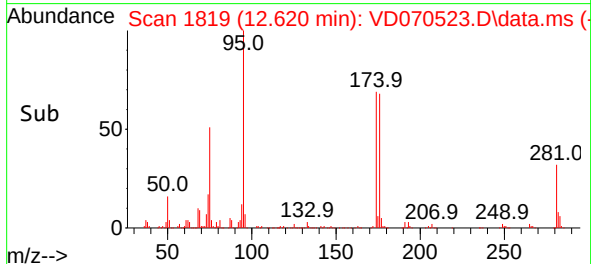
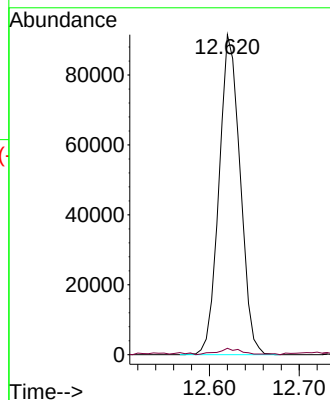
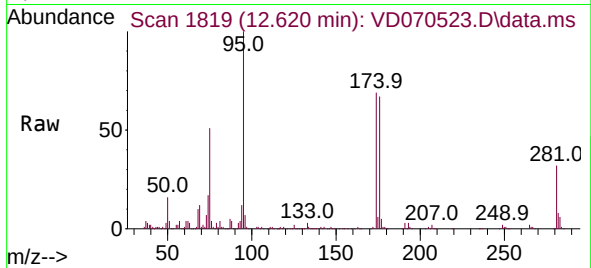




#76
1,2,3-Trichloropropane
Concen: 51.196 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-2-2.5-092821

Tgt Ion: 75 Resp: 149632
Ion Ratio Lower Upper
75 100
77 2.2 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.276 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070523.D
Acq: 29 Sep 2021 15:18

Tgt Ion: 75 Resp: 149632
Ion Ratio Lower Upper
75 100
53 0.6 64.2 96.2#
89 0.7 35.6 53.4#

