

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070525.D
 Acq On : 29 Sep 2021 16:15
 Operator : VA/SY
 Sample : M3975-03
 Misc : 8.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-837-R-SO-4-4.5-092821-FD

Quant Time: Sep 30 00:46:15 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)

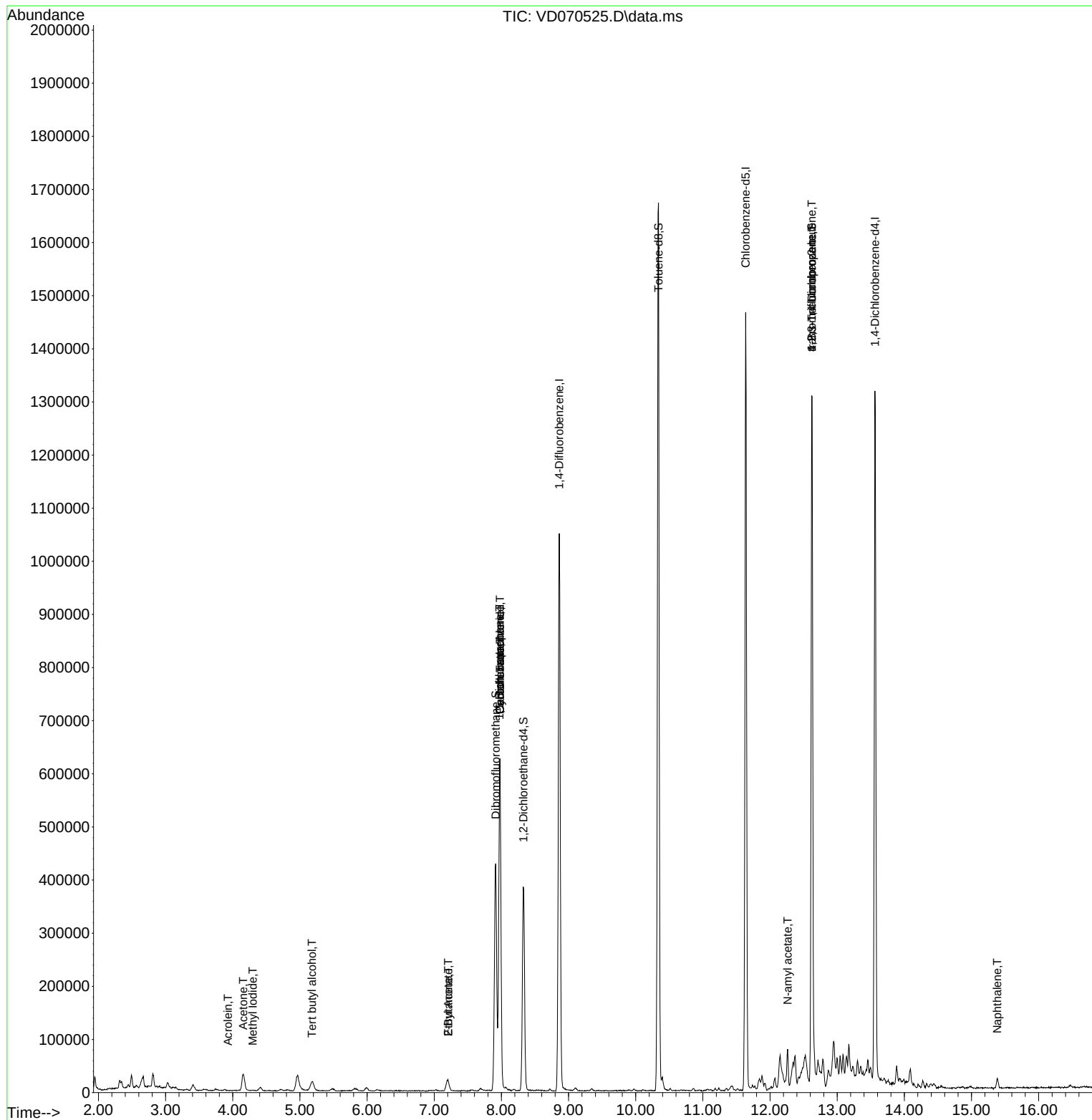
Internal Standards						
1) Pentafluorobenzene	7.979	168	436674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	921809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	863181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	349272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	309154	55.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.280%
35) Dibromofluoromethane	7.914	113	320234	48.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.600%
50) Toluene-d8	10.338	98	1186530	49.805	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.620	95	401205	48.187	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.380%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	176	Below Cal	#	43
3) Chloromethane	2.215	50	909	Below Cal		96
5) Bromomethane	2.756	94	2465	Below Cal	#	79
6) Chloroethane	2.903	64	267	Below Cal	#	51
10) Methyl Iodide	4.297	142	405	1.102	ug/l #	66
11) Tert butyl alcohol	5.179	59	16929	26.703	ug/l #	100
13) Acrolein	3.926	56	385	1.381	ug/l #	74
16) Acetone	4.156	43	55944	55.886	ug/l	90
20) Methylene Chloride	4.950	84	22604	Below Cal	#	83
25) 2-Butanone	7.208	43	13845	10.390	ug/l	90
31) Cyclohexane	7.979	56	10572	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	39917	4.051	ug/l #	48
37) Ethyl Acetate	7.208	43	13845	3.758	ug/l #	84
38) Carbon Tetrachloride	7.979	117	49353	5.065	ug/l #	18
74) N-amyl acetate	12.261	43	12505	2.343	ug/l #	69
76) 1,2,3-Trichloropropane	12.620	75	199067	56.346	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	199067	141.180	ug/l #	18
95) Naphthalene	15.385	128	16862	1.655	ug/l #	93

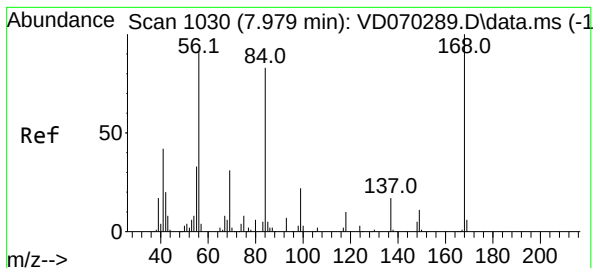
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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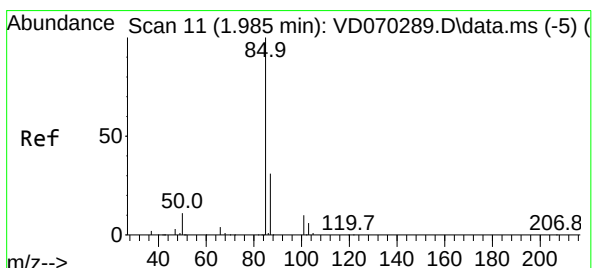
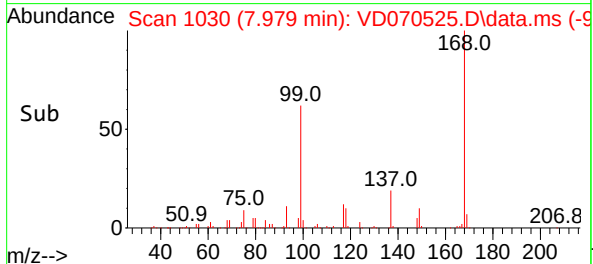
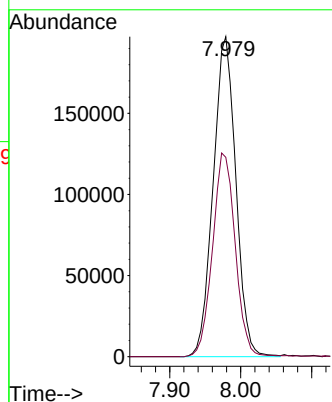
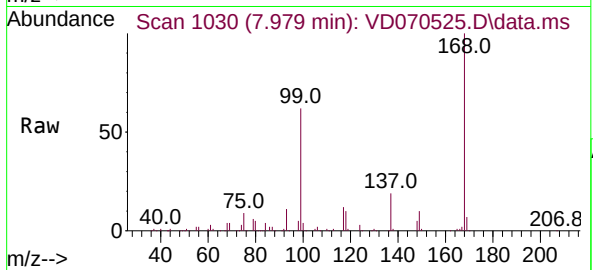




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

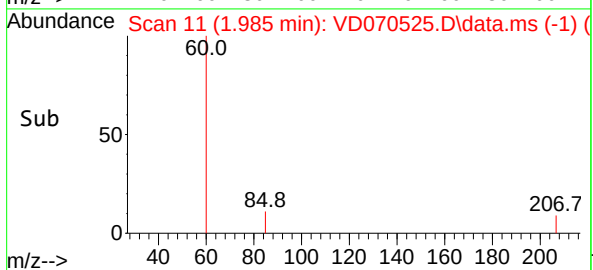
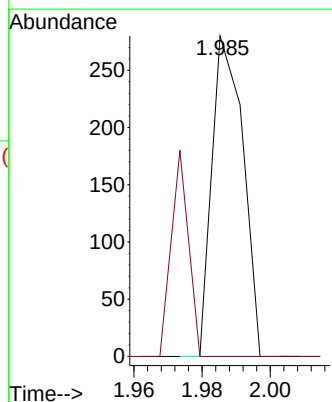
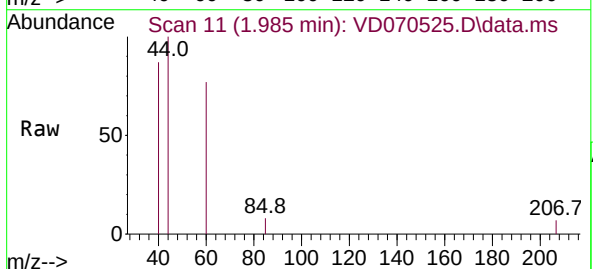
Instrument :
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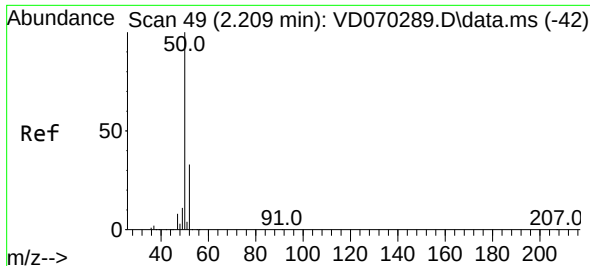
Tgt Ion:168 Resp: 436674
Ion Ratio Lower Upper
168 100
99 62.3 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 85 Resp: 176
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

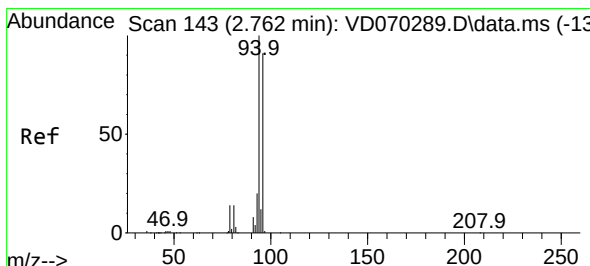
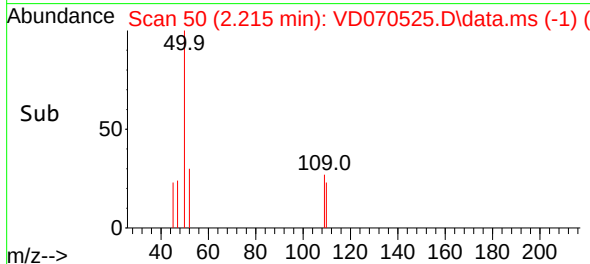
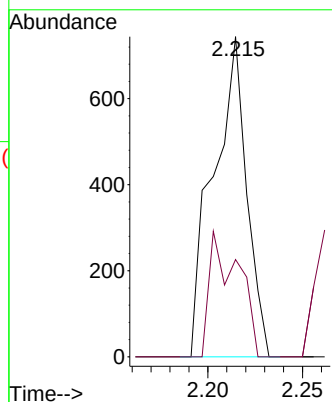
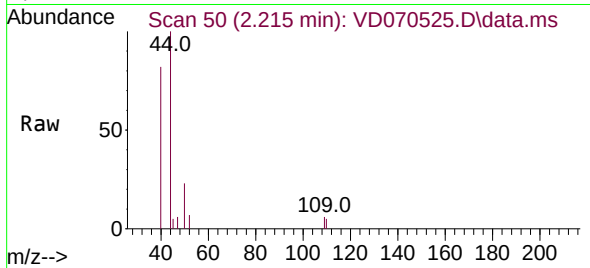




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

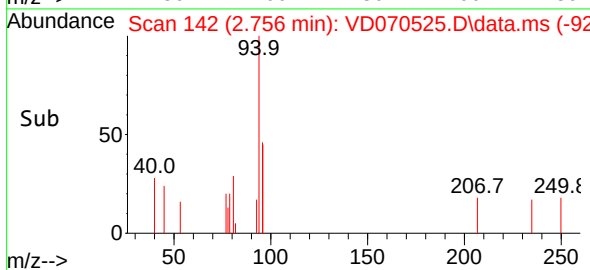
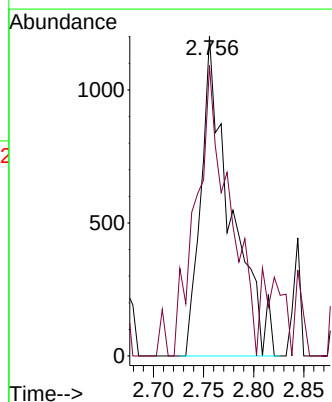
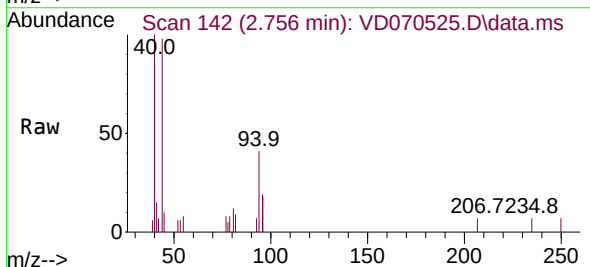
Instrument :
MSVOA_D
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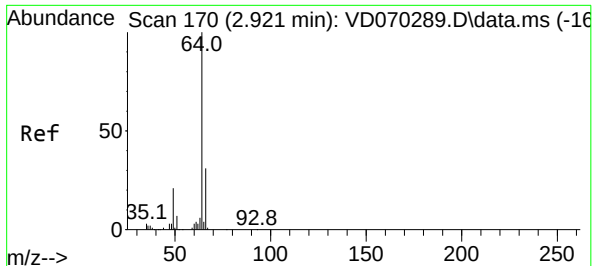
Tgt Ion: 50 Resp: 909
Ion Ratio Lower Upper
50 100
52 30.4 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.006 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 94 Resp: 2465
Ion Ratio Lower Upper
94 100
96 71.8 73.0 109.6#

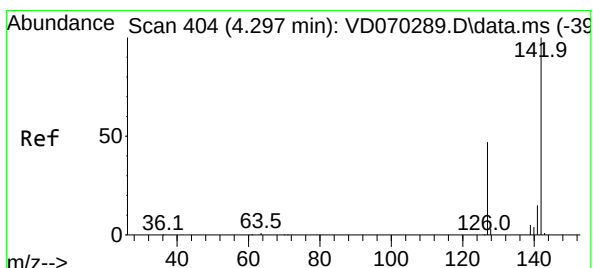
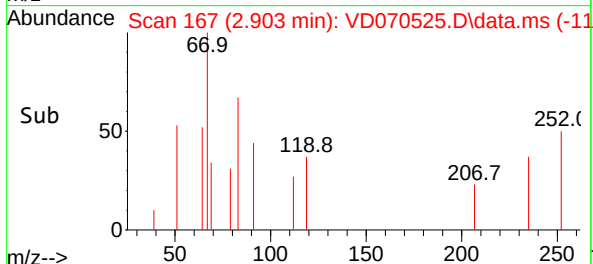
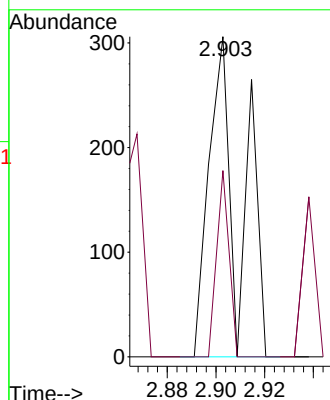
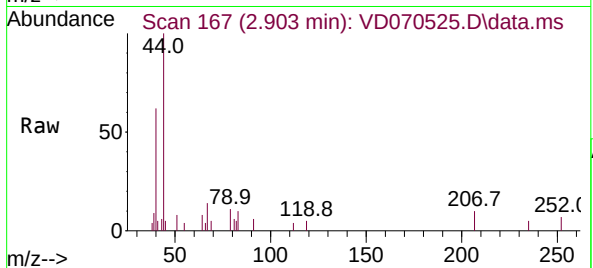




#6
Chloroethane
Concen: Below Cal
RT: 2.903 min Scan# 167
Delta R.T. -0.018 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

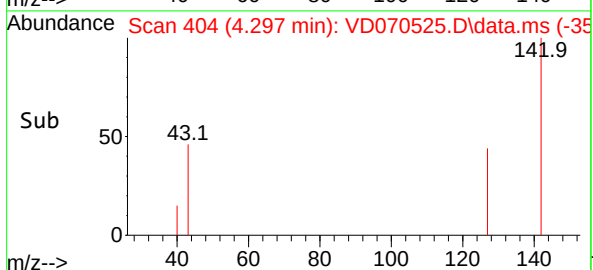
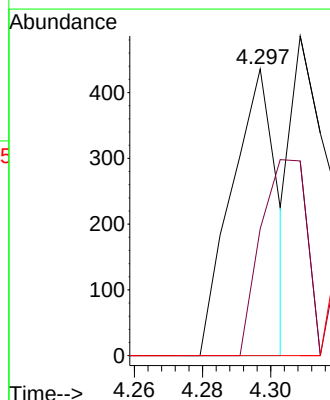
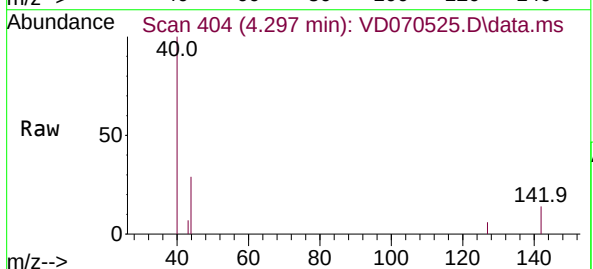
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-4-4.5-092821-FD

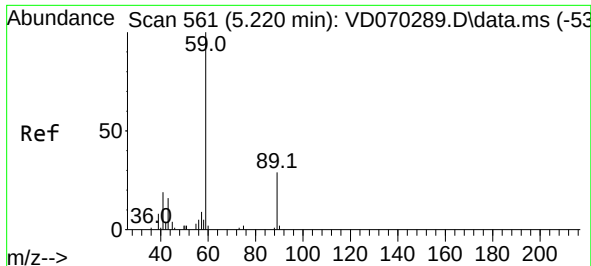
Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 58.2 25.0 37.4#



#10
Methyl Iodide
Concen: 1.102 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 142 Resp: 405
Ion Ratio Lower Upper
142 100
127 68.6 36.9 55.3#
141 0.0 11.8 17.6#

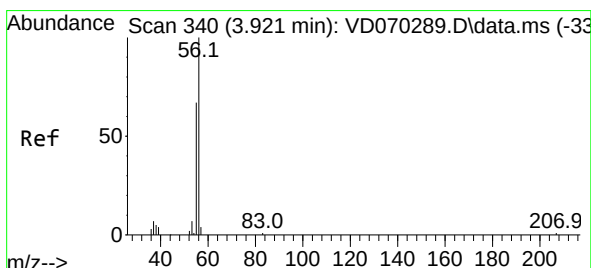
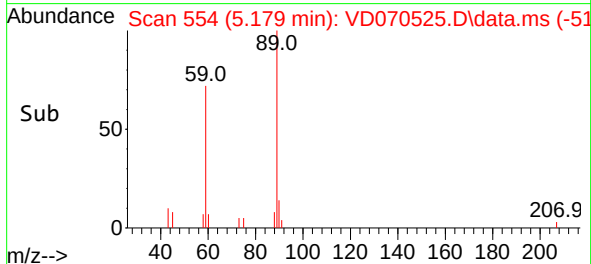
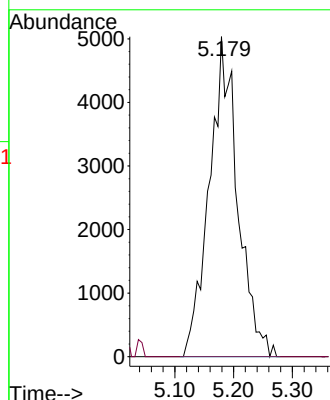
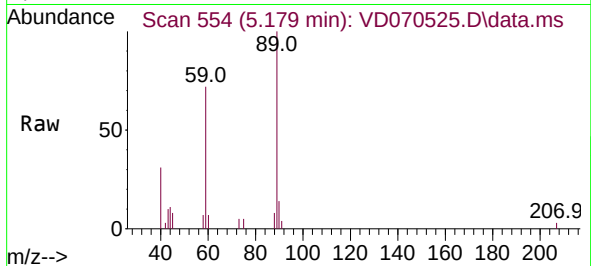




#11
Tert butyl alcohol
Concen: 26.703 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

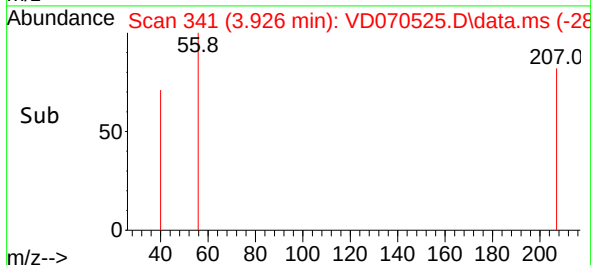
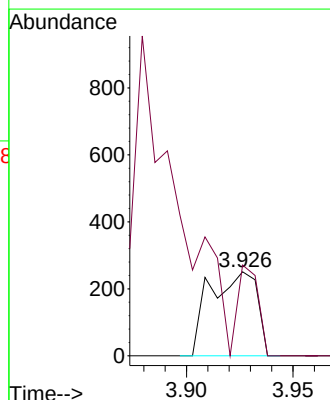
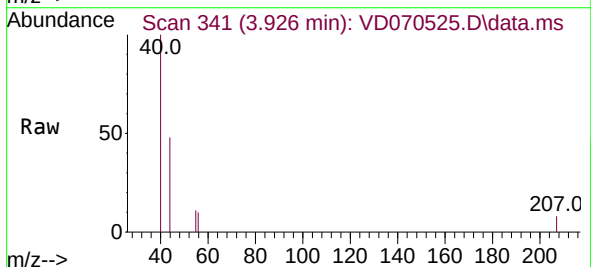
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-4-4.5-092821-FD

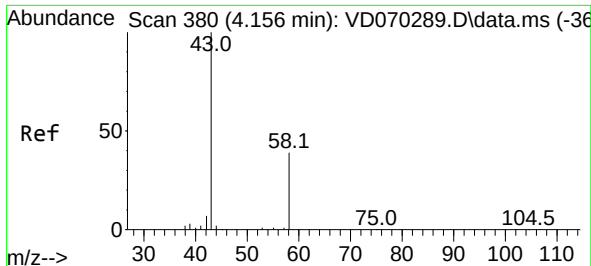
Tgt Ion: 59 Resp: 16929
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#13
Acrolein
Concen: 1.381 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 56 Resp: 385
Ion Ratio Lower Upper
56 100
55 46.8 54.2 81.2#

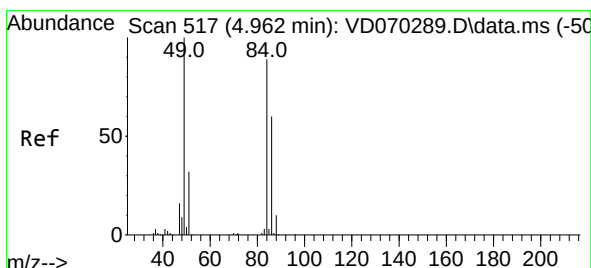
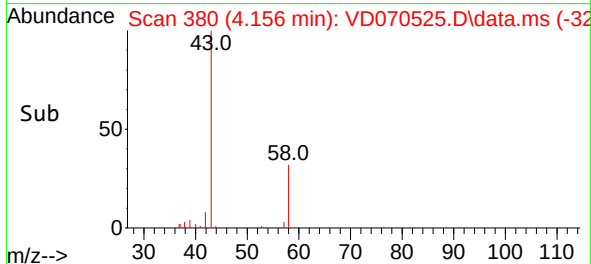
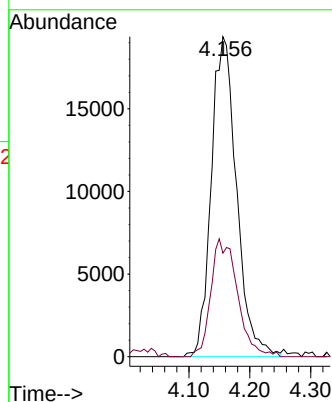
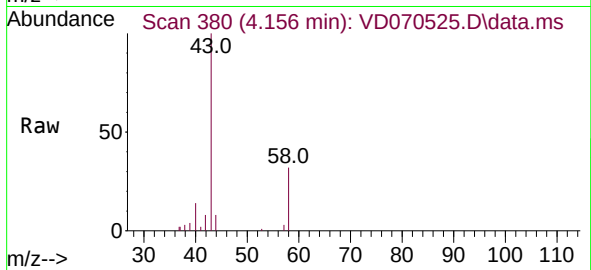




#16
Acetone
Concen: 55.886 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

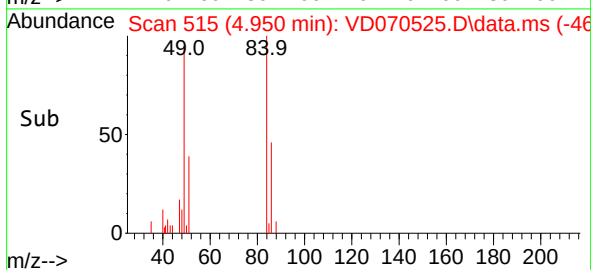
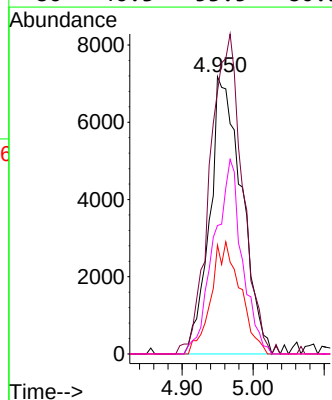
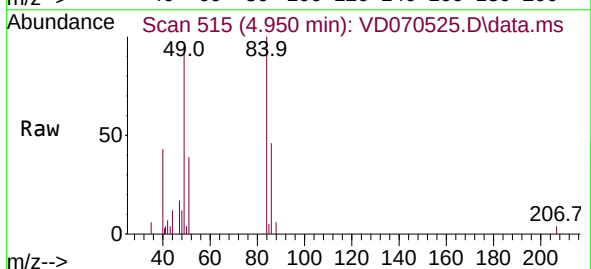
Instrument :
MSVOA_D
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S-837-R-SO-4-4.5-092821-FD

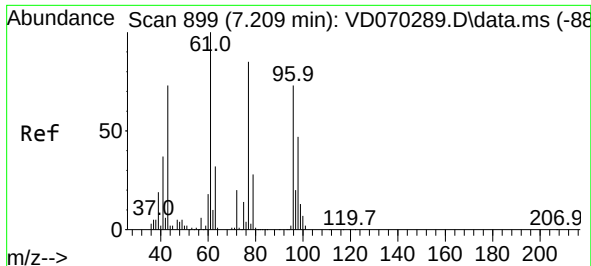
Tgt Ion: 43 Resp: 55944
Ion Ratio Lower Upper
43 100
58 32.4 30.9 46.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

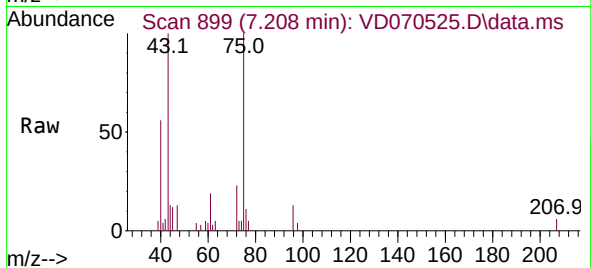
Tgt Ion: 84 Resp: 22604
Ion Ratio Lower Upper
84 100
49 94.6 89.6 134.4
51 39.2 28.6 43.0
86 46.3 53.5 80.3#



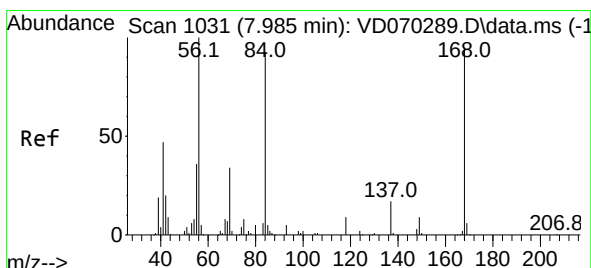
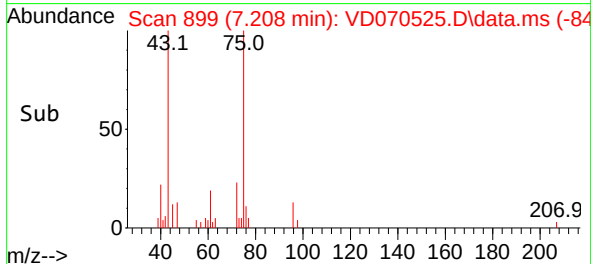
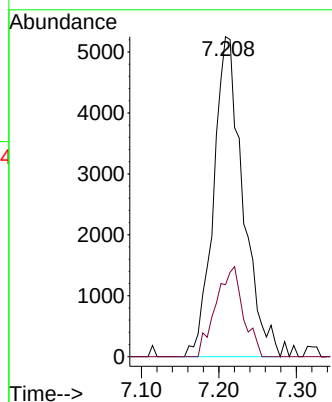


#25
2-Butanone
Concen: 10.390 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

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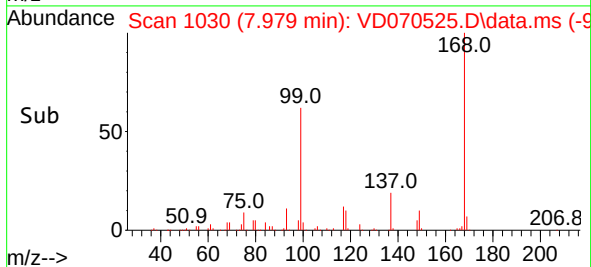
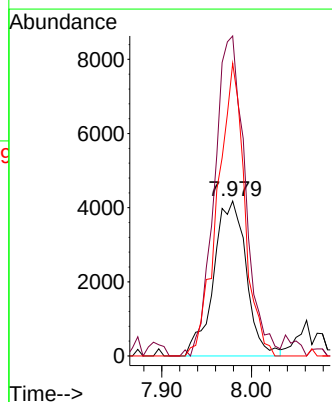
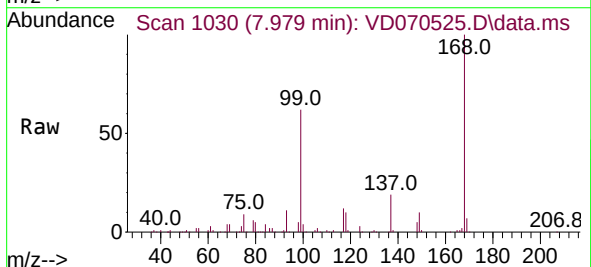


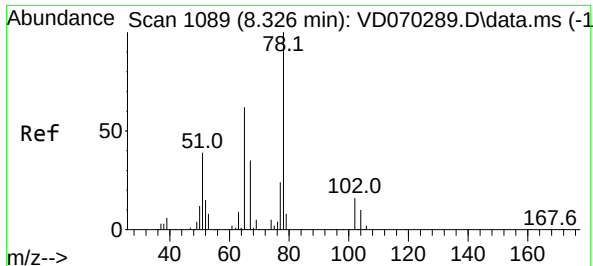
Tgt Ion: 43 Resp: 13845
Ion Ratio Lower Upper
43 100
72 22.5 22.2 33.4



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 56 Resp: 10572
Ion Ratio Lower Upper
56 100
69 206.6 26.9 40.3#
84 189.0 73.6 110.4#

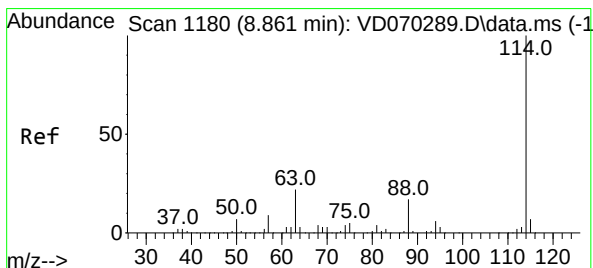
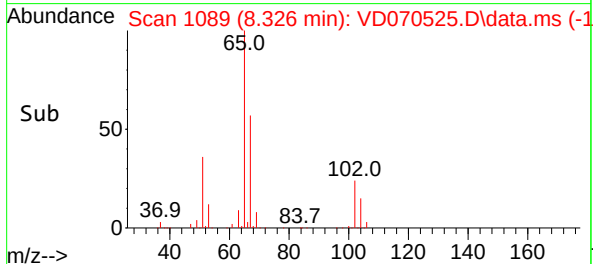
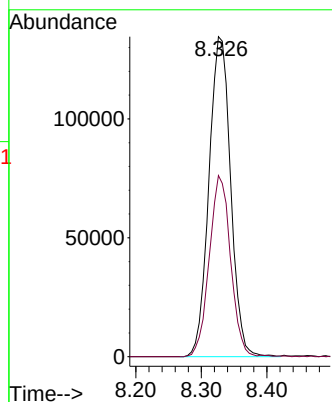
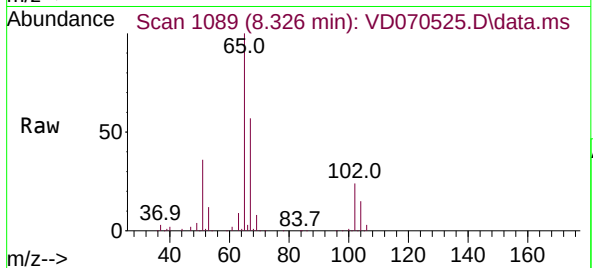




#33
1,2-Dichloroethane-d4
Concen: 55.137 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

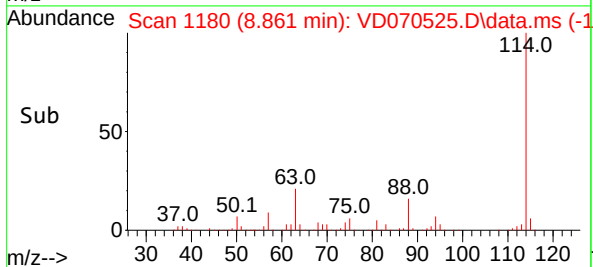
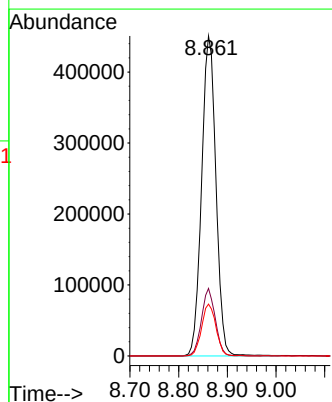
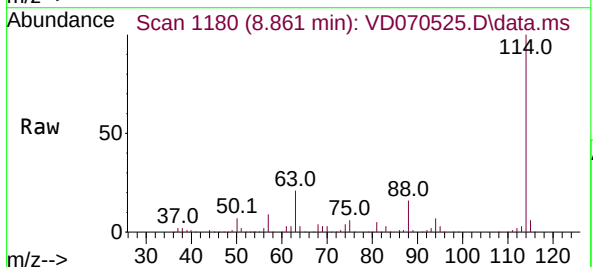
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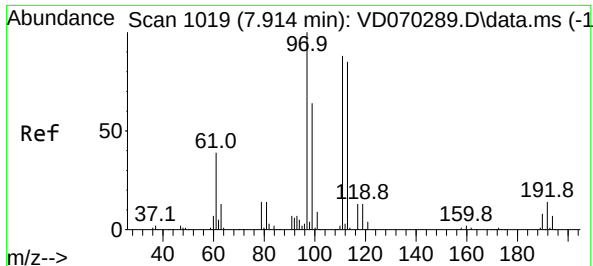
Tgt Ion: 65 Resp: 309154
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion:114 Resp: 921809
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.4
88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.805 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070525.D

Acq: 29 Sep 2021 16:15

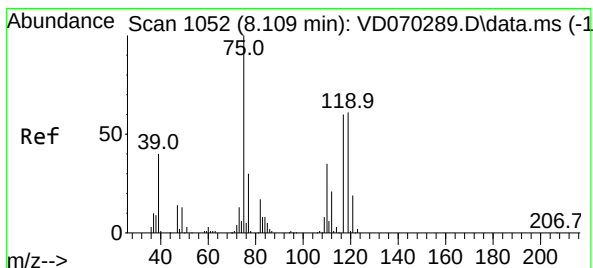
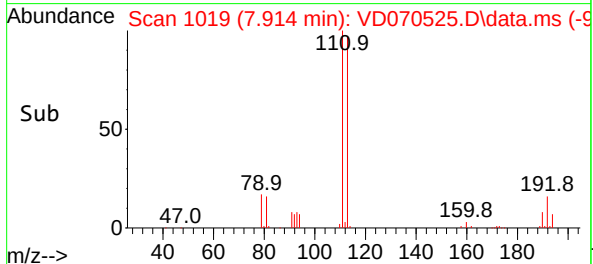
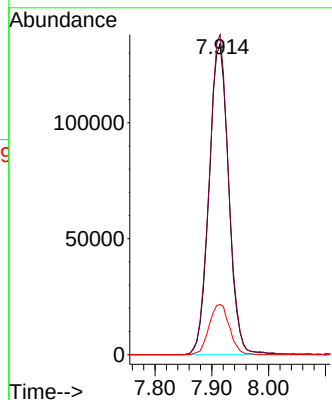
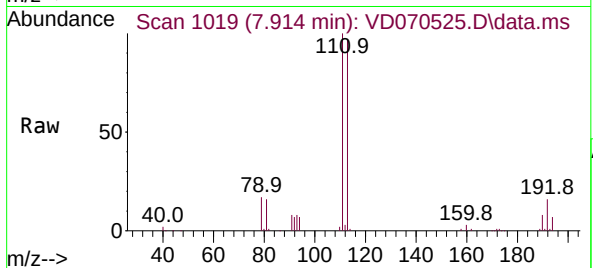
Tgt Ion:113 Resp: 320234

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

192 16.8 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.051 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070525.D

Acq: 29 Sep 2021 16:15

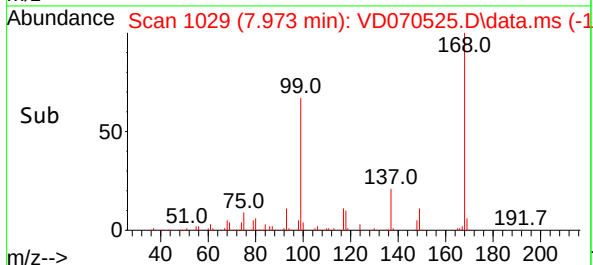
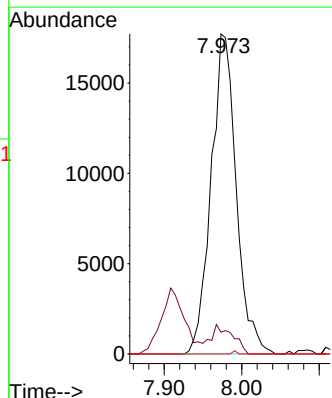
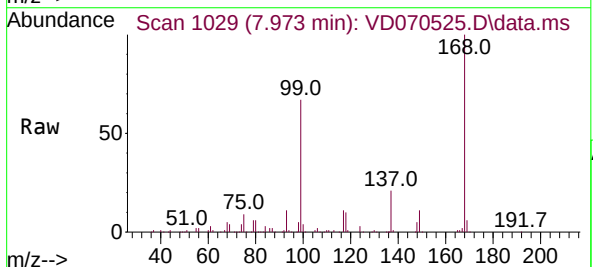
Tgt Ion: 75 Resp: 39917

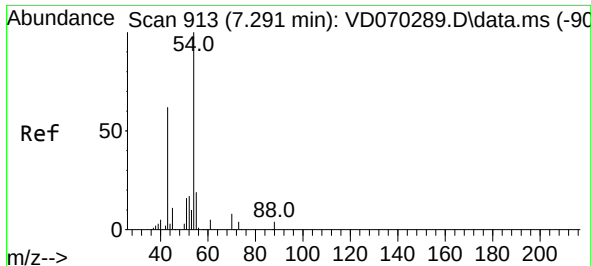
Ion Ratio Lower Upper

75 100

110 7.8 17.9 53.7#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.758 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD070525.D

Acq: 29 Sep 2021 16:15

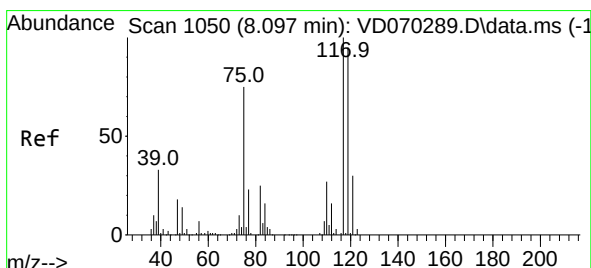
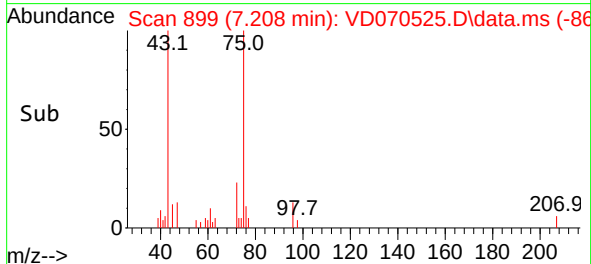
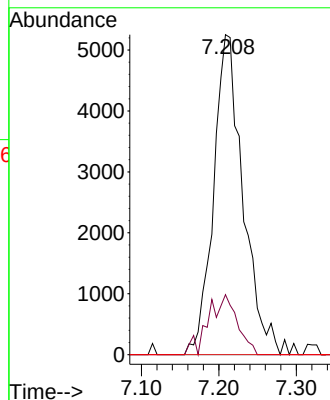
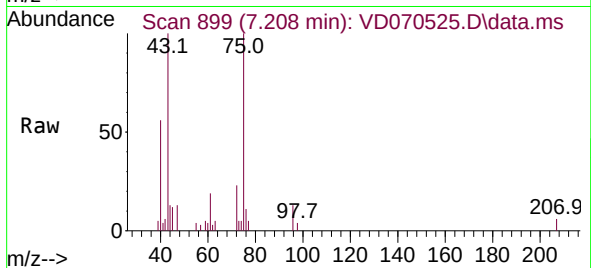
Tgt Ion: 43	Resp: 13845
Ion Ratio	Lower Upper
43	100
61	18.6 13.0 19.6
70	0.0 9.8 14.6#

Instrument :

MSVOA_D

ClientSampleId :

S-837-R-SO-4-4.5-092821-FD



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

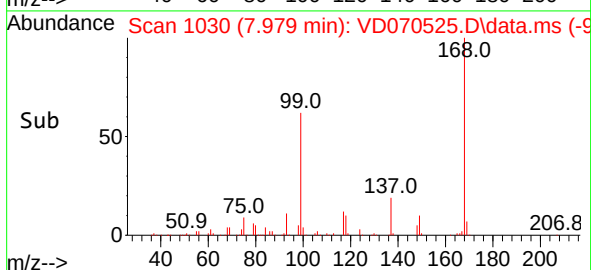
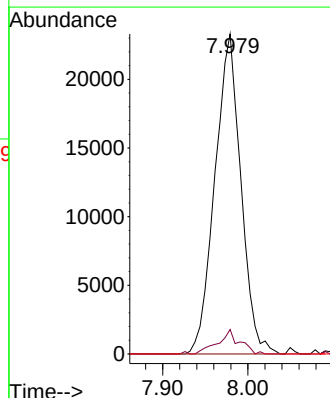
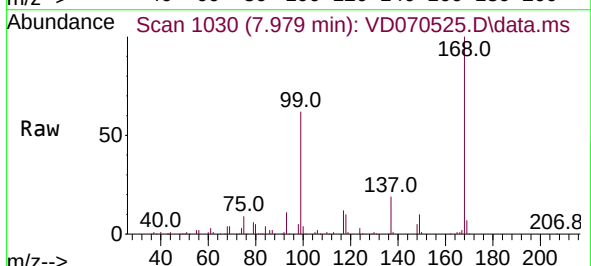
RT: 7.979 min Scan# 1030

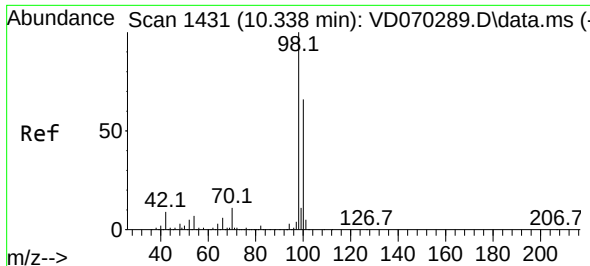
Delta R.T. -0.118 min

Lab File: VD070525.D

Acq: 29 Sep 2021 16:15

Tgt Ion: 117	Resp: 49353
Ion Ratio	Lower Upper
117	100
119	7.7 76.1 114.1#
121	0.0 23.8 35.6#

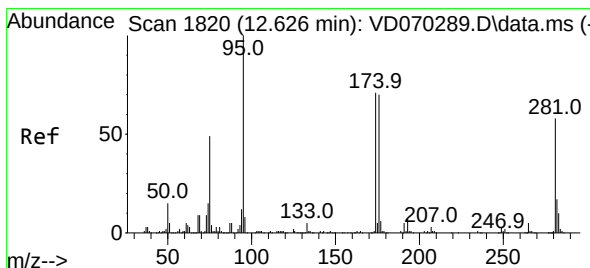
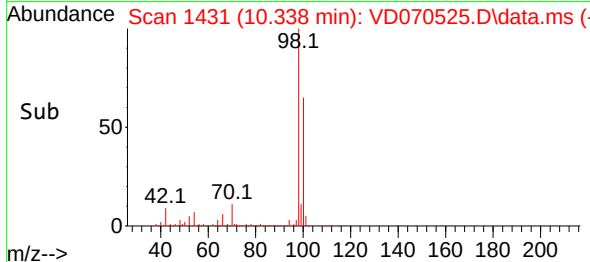
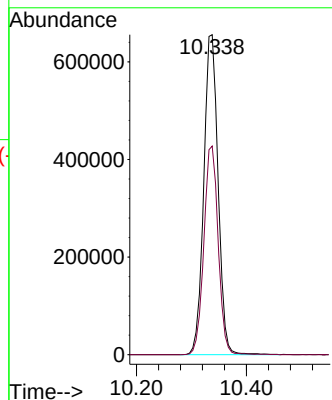
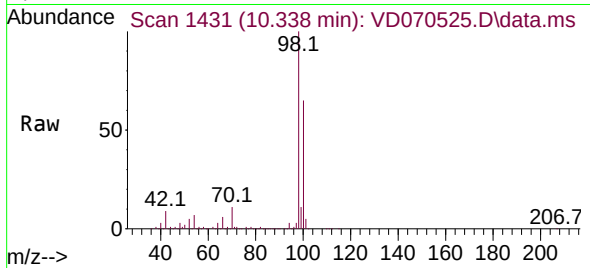




#50
Toluene-d8
Concen: 49.805 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

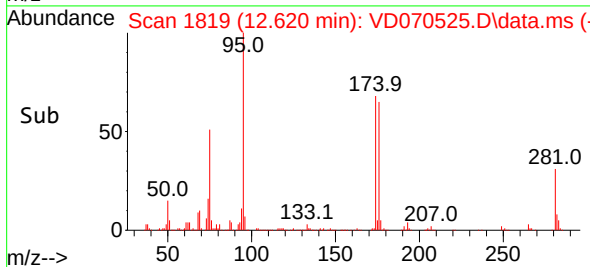
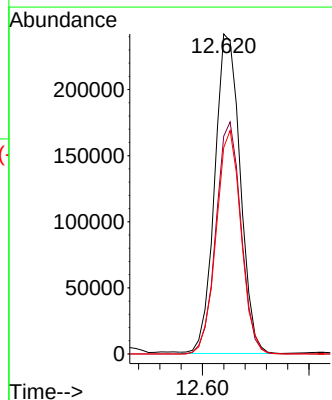
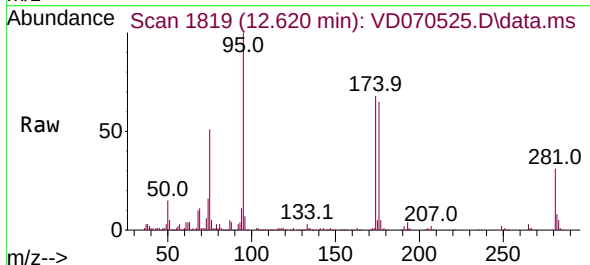
Instrument :
MSVOA_D
ClientSampleId :
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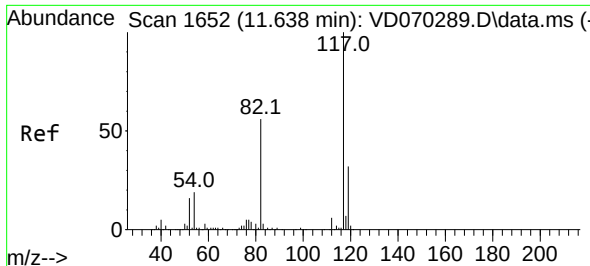
Tgt Ion: 98 Resp: 1186530
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 48.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 95 Resp: 401205
Ion Ratio Lower Upper
95 100
174 71.0 0.0 140.6
176 68.1 0.0 137.4

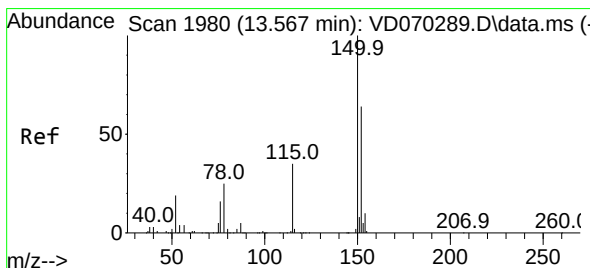
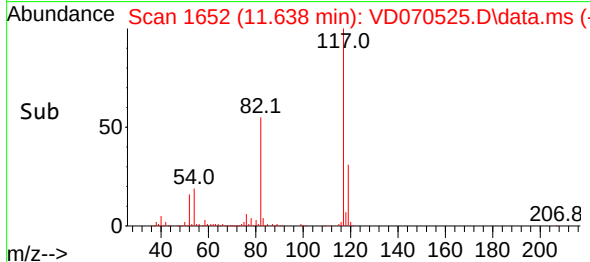
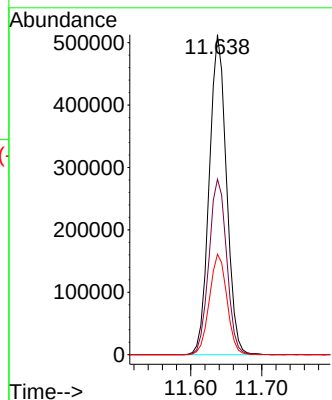
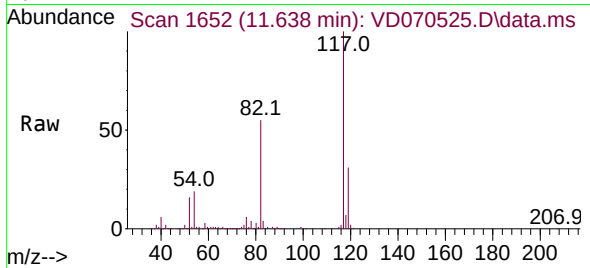




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

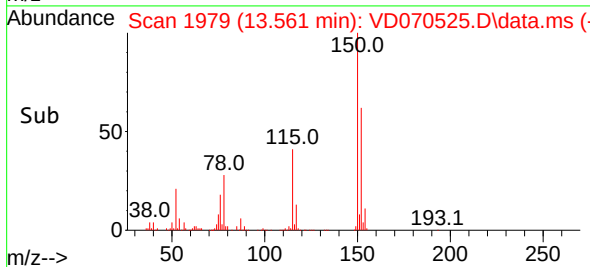
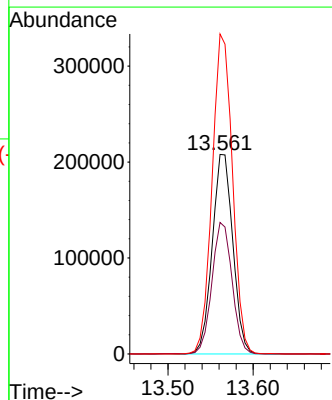
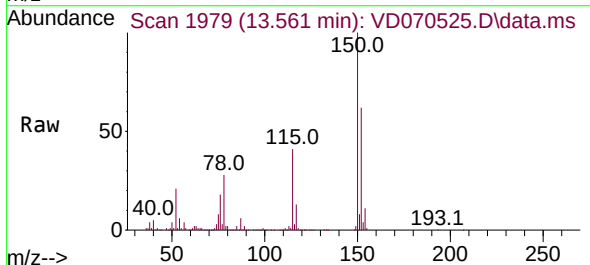
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-4-4.5-092821-FD

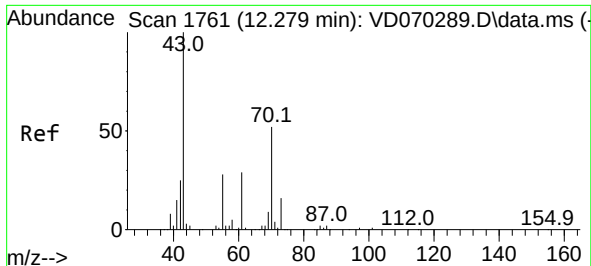
Tgt Ion:	117	Resp:	863181
Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.4
119	31.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion:	152	Resp:	349272
Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.1	96.3
150	158.2	0.0	350.6

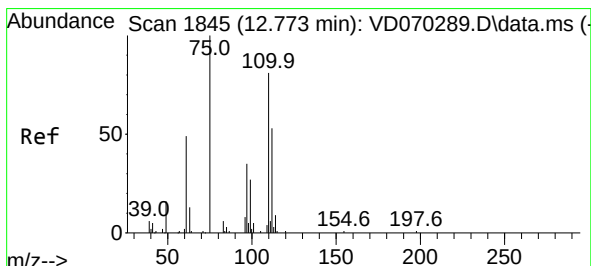
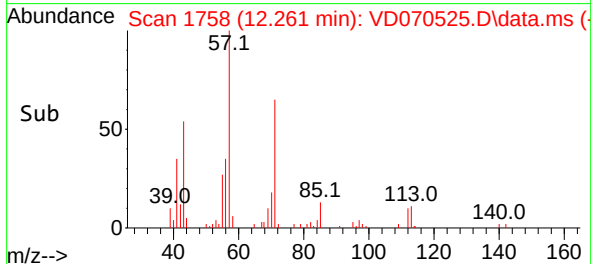
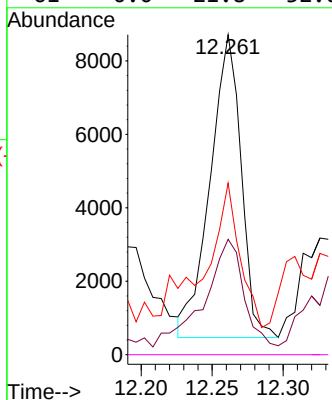
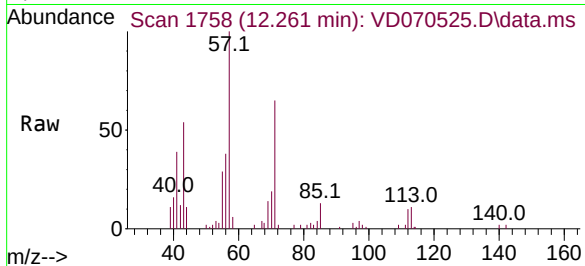




#74
N-amy1 acetate
Concen: 2.343 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

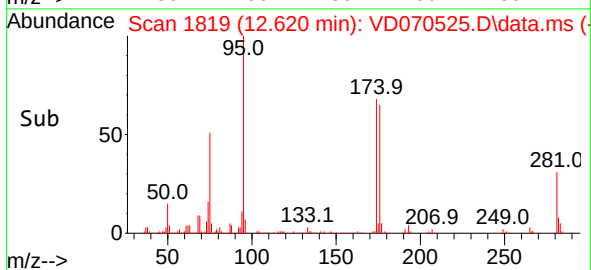
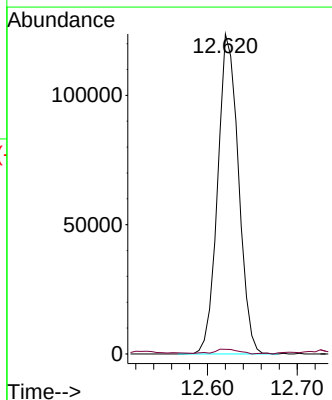
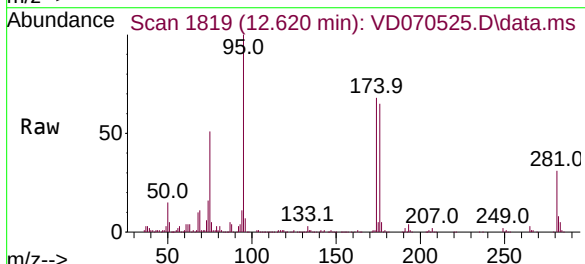
Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-4-4.5-092821-FD

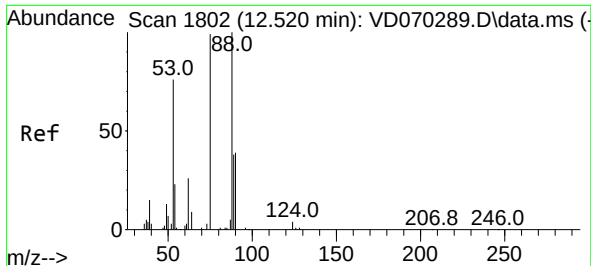
Tgt Ion: 43	Resp: 12505
Ion Ratio	Lower Upper
43 100	
70 45.0	41.4 62.0
55 55.3	22.8 34.2#
61 0.0	21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 56.346 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion: 75	Resp: 199067
Ion Ratio	Lower Upper
75 100	
77 1.5	174.9 524.7#

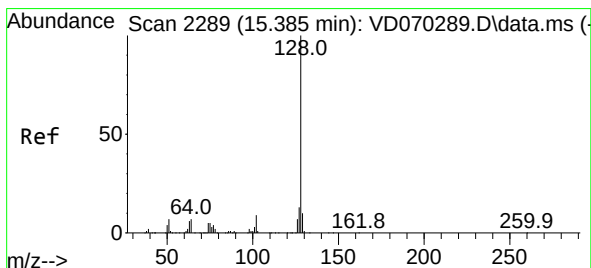
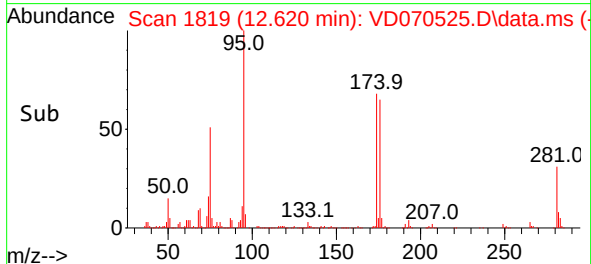
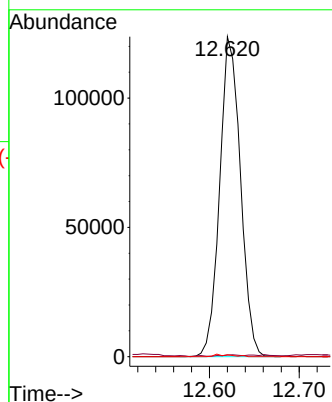
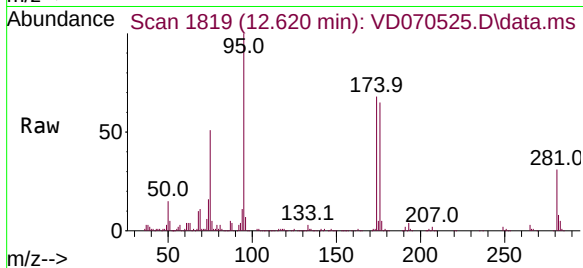




#81
trans-1,4-Dichloro-2-butene
Concen: 141.180 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :
S-837-R-SO-4-4.5-092821-FD

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	64.2	96.2#
89	0.6	35.6	53.4#



#95
Naphthalene
Concen: 1.655 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070525.D
Acq: 29 Sep 2021 16:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.5	15.7#
129	14.0	9.0	13.4#

