

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070530.D
 Acq On : 29 Sep 2021 18:36
 Operator : VA/SY
 Sample : M3975-08
 Misc : 6.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-841-R-SO-6-6.5-092821

Quant Time: Sep 30 00:47:43 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)

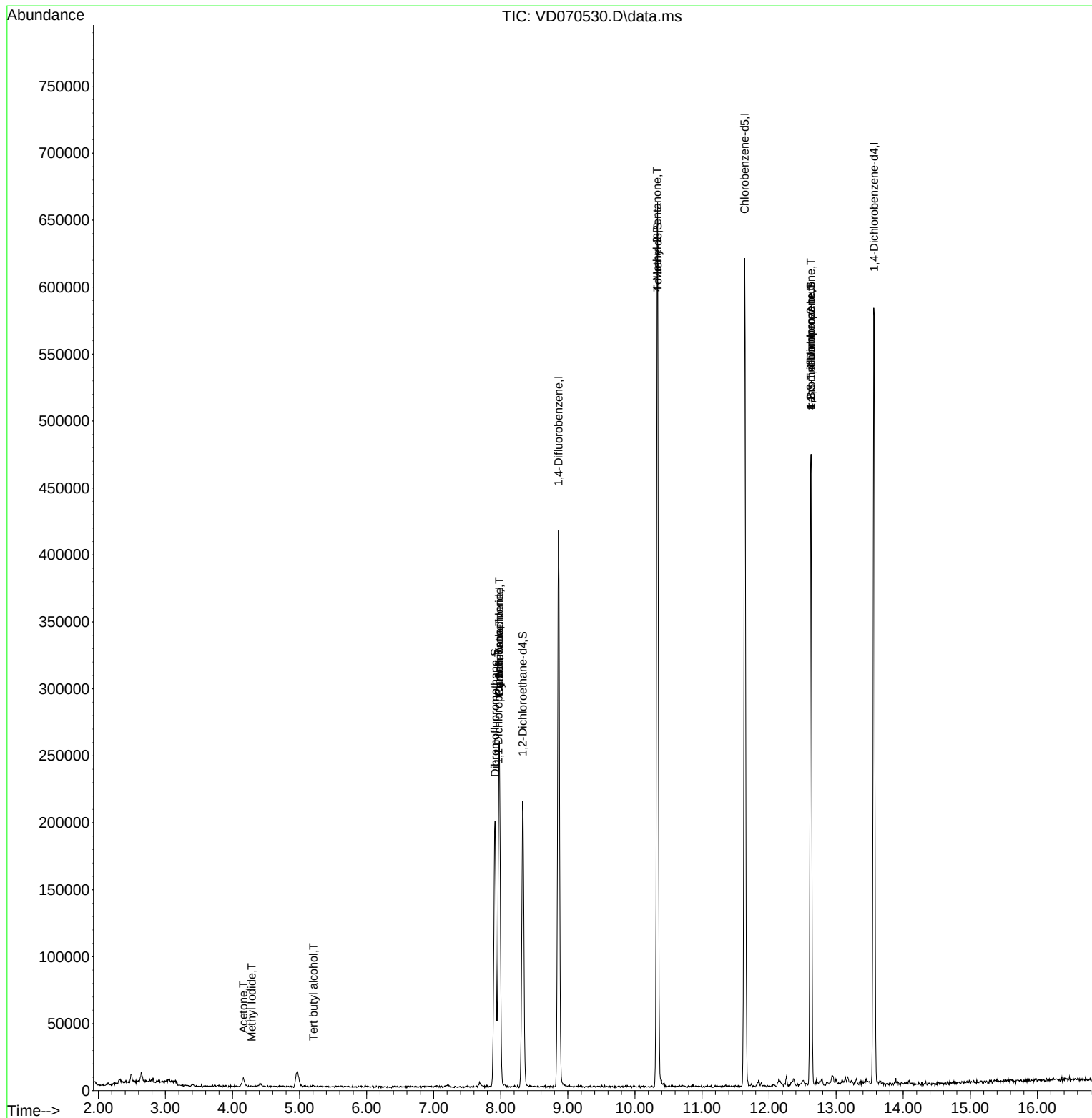
Internal Standards						
1) Pentafluorobenzene	7.979	168	184020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	362283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	369427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	161484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171504	72.583	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.160%			
35) Dibromofluoromethane	7.914	113	148278	57.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.000%			
50) Toluene-d8	10.338	98	477623	51.012	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.626	95	157647	48.177	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.360%			
Target Compounds						
3) Chloromethane	2.203	50	415	Below Cal	#	42
5) Bromomethane	2.791	94	919	Below Cal	#	71
6) Chloroethane	2.885	64	61	Below Cal	#	43
10) Methyl Iodide	4.285	142	134	1.087	ug/l #	39
11) Tert butyl alcohol	5.208	59	553	2.070	ug/l #	100
16) Acetone	4.161	43	10339	24.509	ug/l #	83
18) Methyl Acetate	4.726	43	67	Below Cal	#	48
20) Methylene Chloride	4.973	84	10120	Below Cal		90
31) Cyclohexane	7.979	56	4192	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	16470	4.253	ug/l #	50
38) Carbon Tetrachloride	7.979	117	20088	5.245	ug/l #	18
51) 4-Methyl-2-Pentanone	10.332	43	1963	1.417	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	73900	45.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	73900	113.358	ug/l #	17

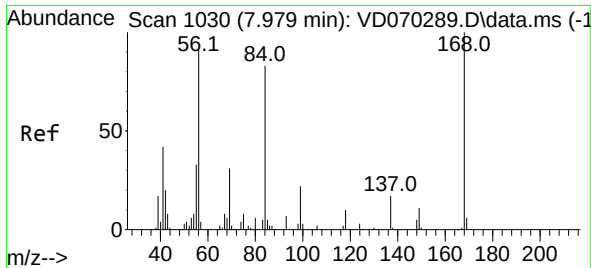
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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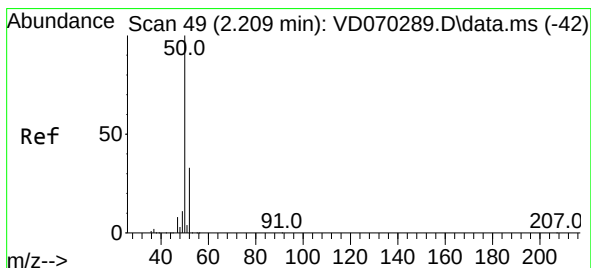
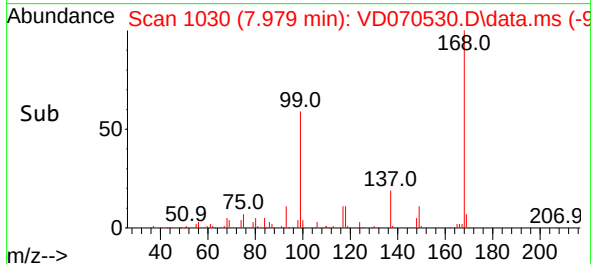
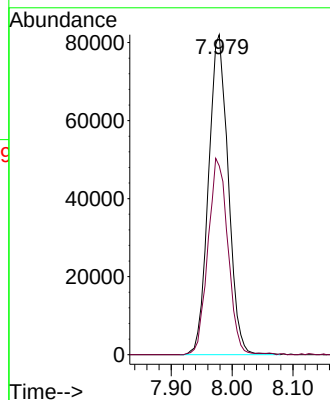
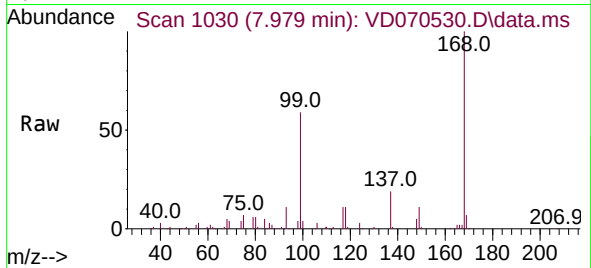




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

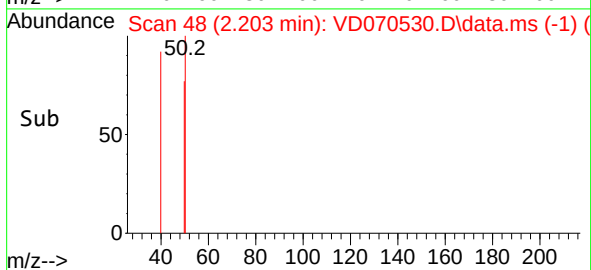
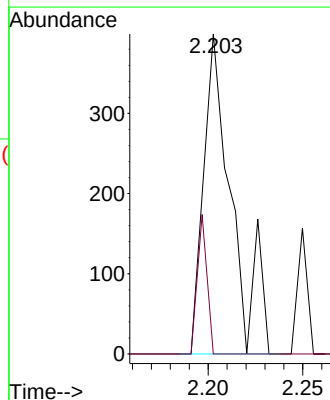
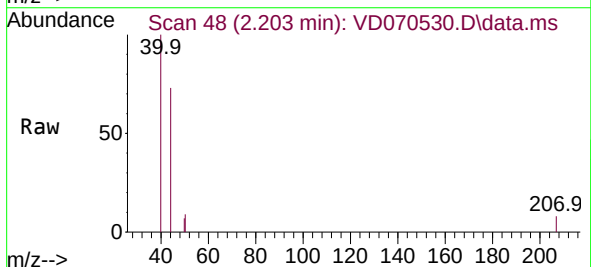
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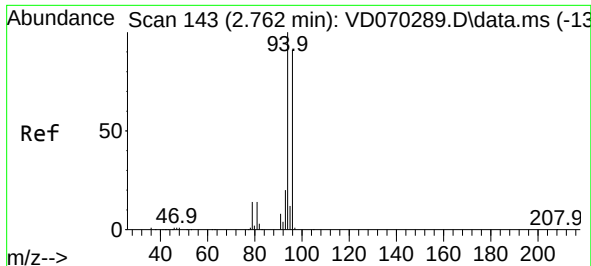
Tgt Ion:168 Resp: 184020
Ion Ratio Lower Upper
168 100
99 59.0 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 50 Resp: 415
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

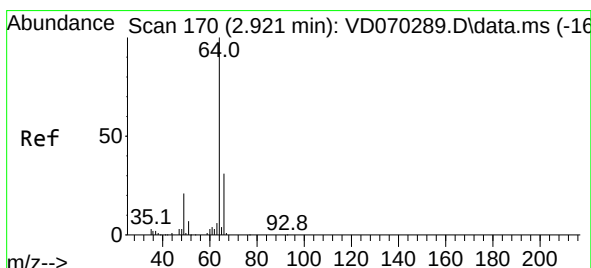
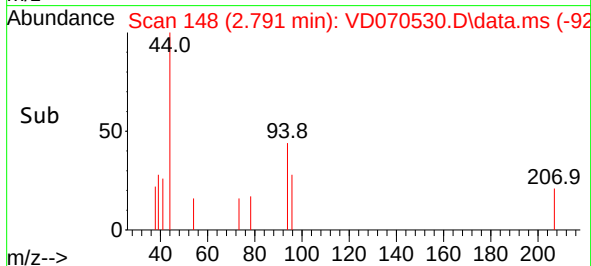
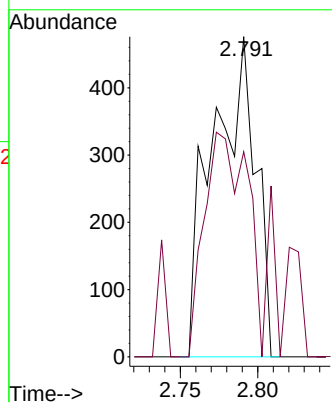
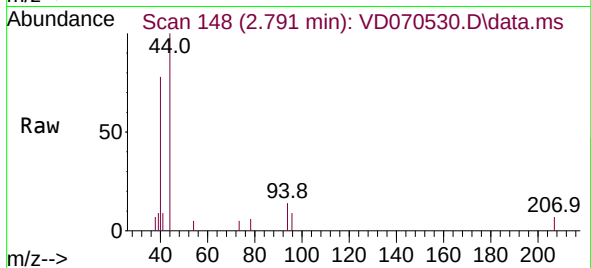




#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

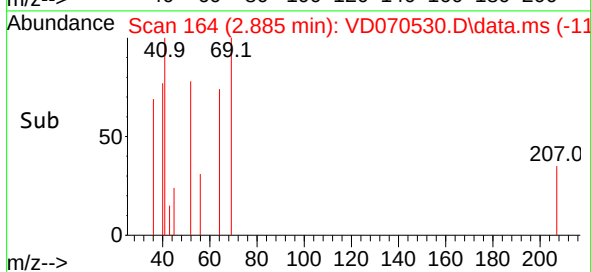
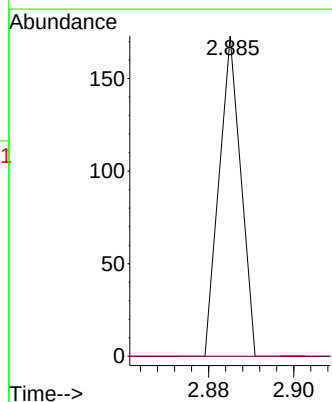
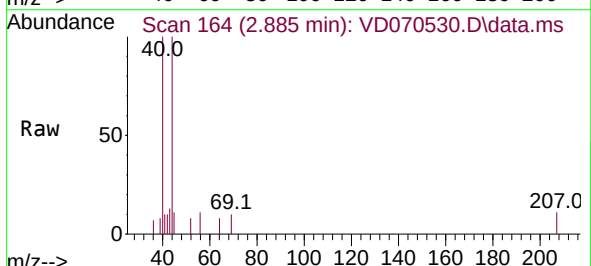
Instrument :
MSVOA_D
ClientSampleId :
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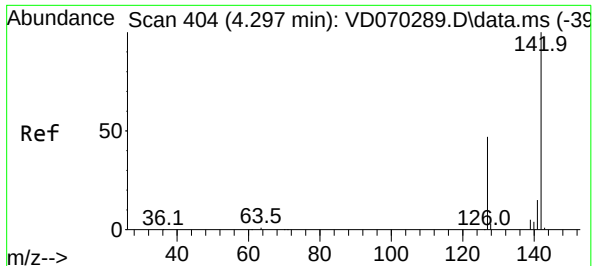
Tgt Ion: 94 Resp: 919
Ion Ratio Lower Upper
94 100
96 64.1 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.885 min Scan# 164
Delta R.T. -0.036 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

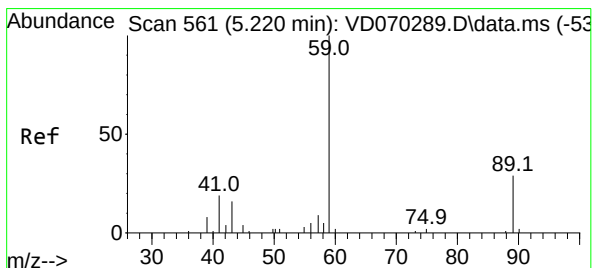
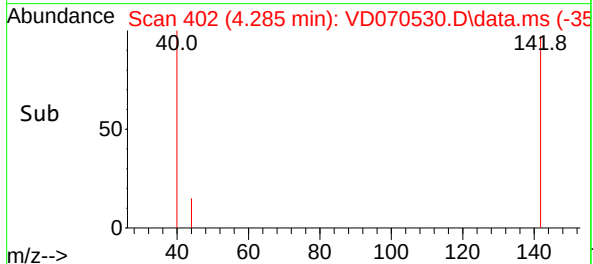
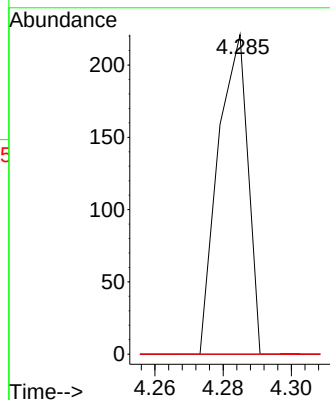
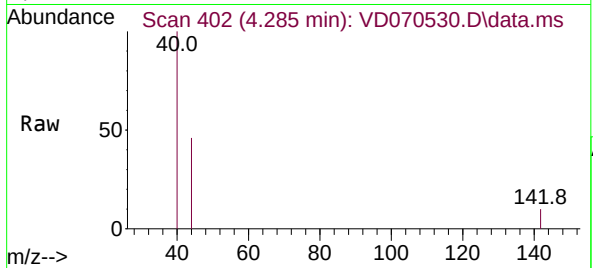




#10
Methyl Iodide
Concen: 1.087 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

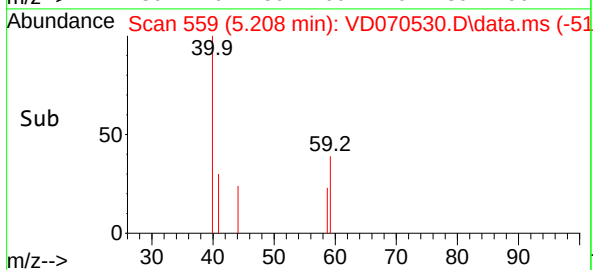
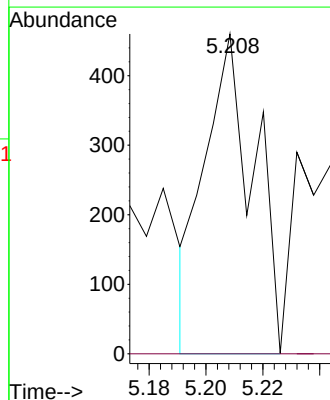
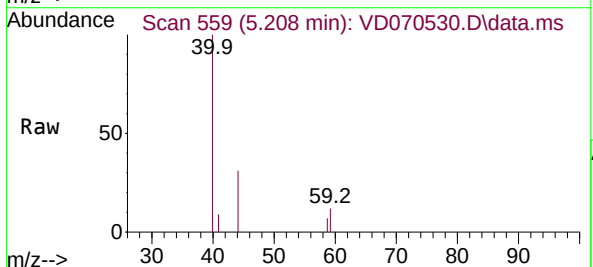
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-6-6.5-092821

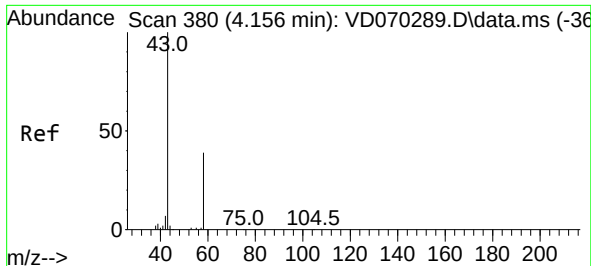
Tgt Ion:142 Resp: 134
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.070 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

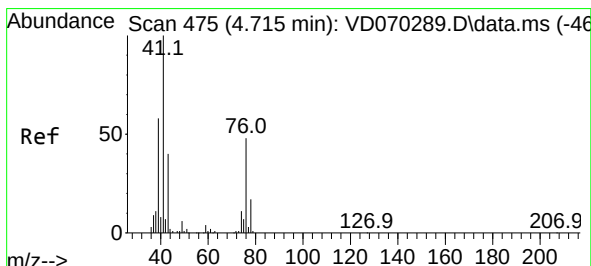
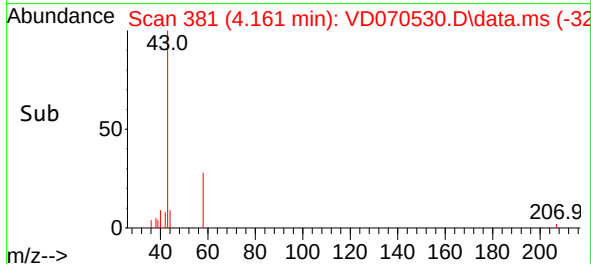
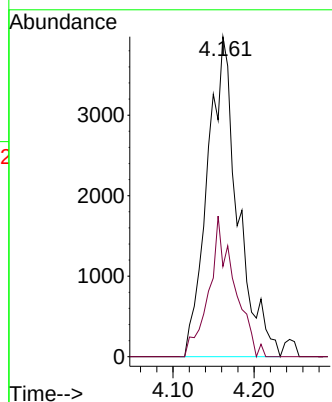
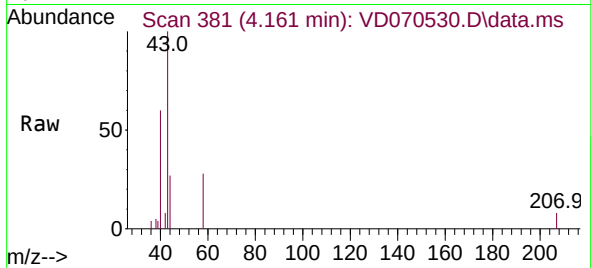




#16
Acetone
Concen: 24.509 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

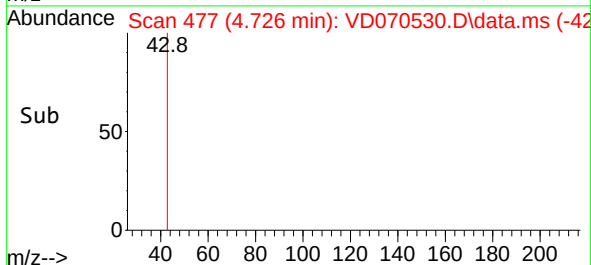
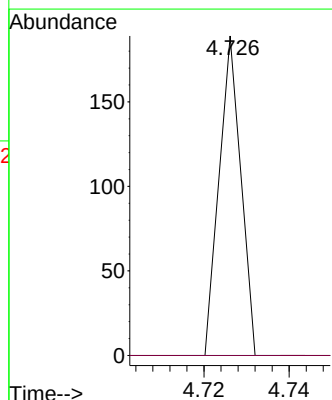
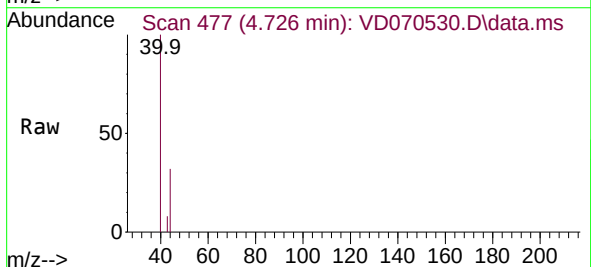
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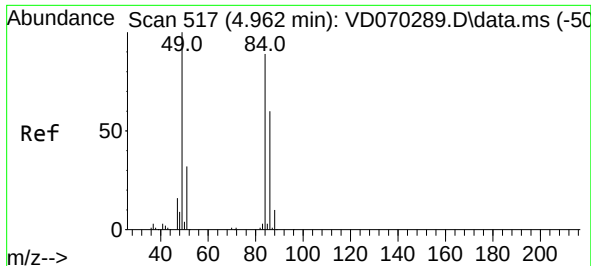
Tgt Ion: 43 Resp: 10339
Ion Ratio Lower Upper
43 100
58 28.2 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

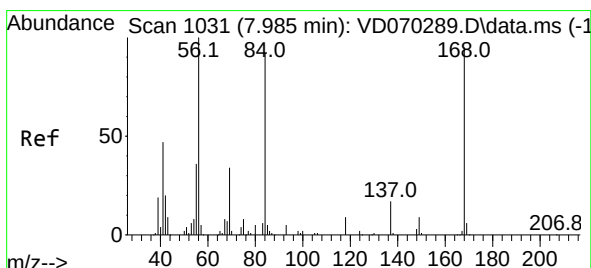
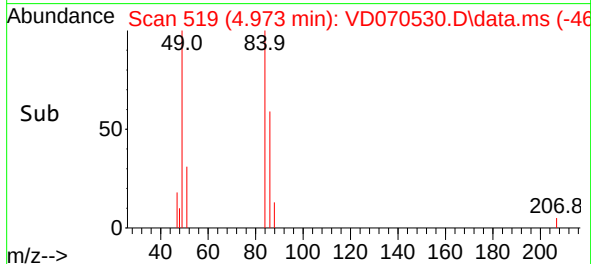
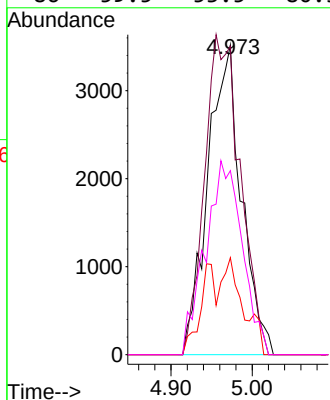
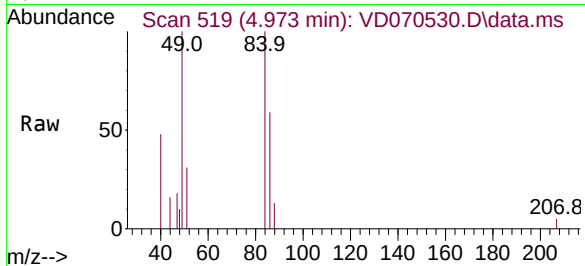




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

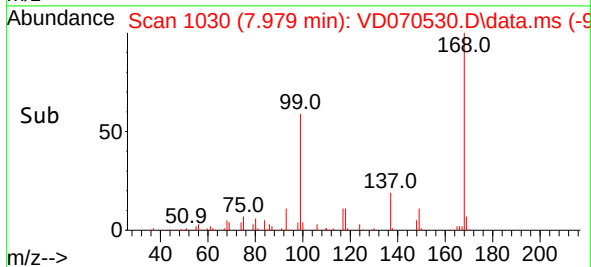
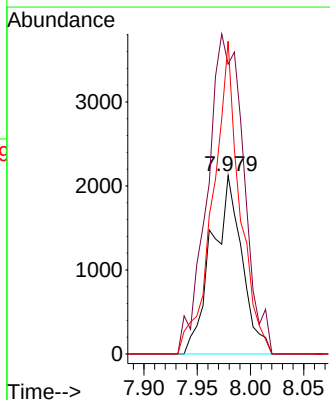
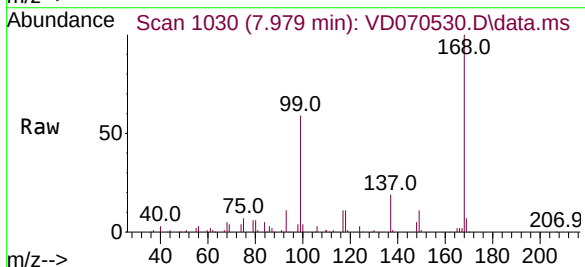
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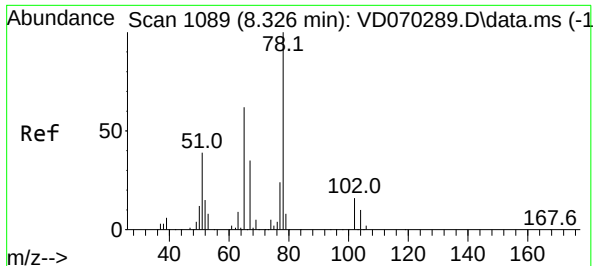
Tgt Ion:	84	Resp:	10120
Ion	Ratio	Lower	Upper
84	100		
49	99.6	89.6	134.4
51	31.3	28.6	43.0
86	59.5	53.5	80.3



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion:	56	Resp:	4192
Ion	Ratio	Lower	Upper
56	100		
69	162.4	26.9	40.3#
84	183.1	73.6	110.4#

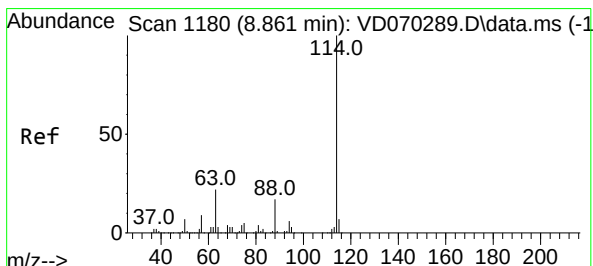
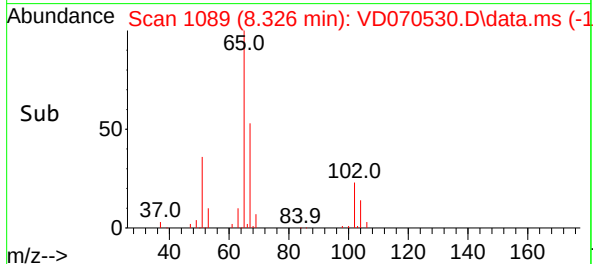
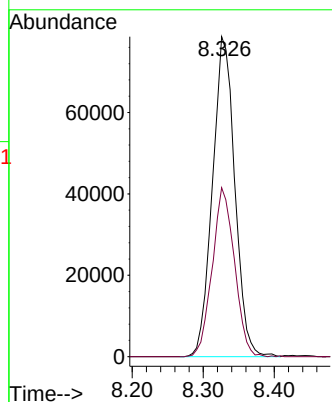
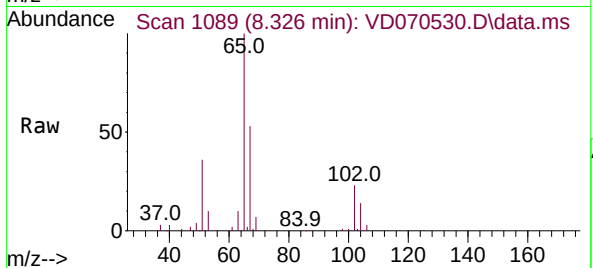




#33
1,2-Dichloroethane-d4
Concen: 72.583 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

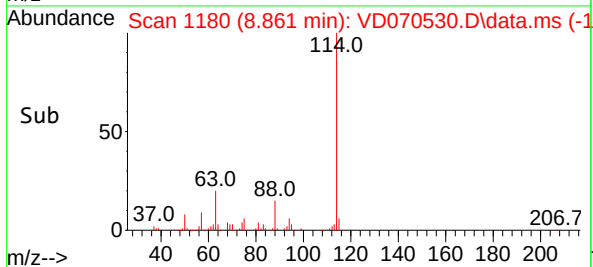
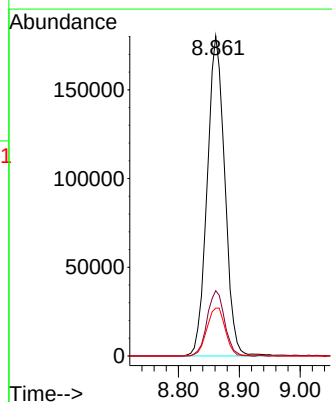
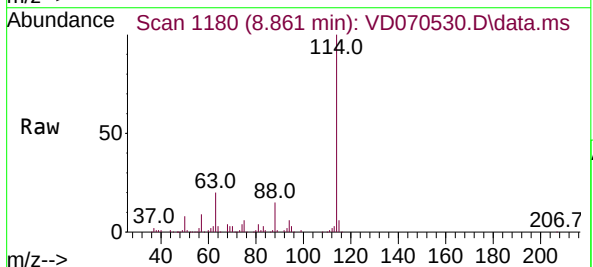
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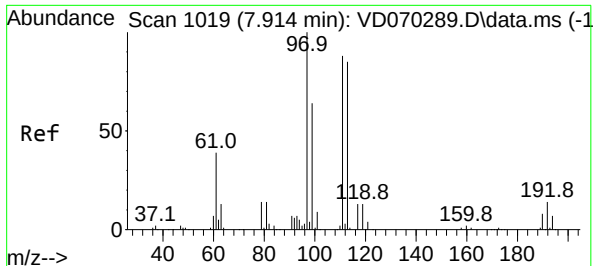
Tgt Ion: 65 Resp: 171504
Ion Ratio Lower Upper
65 100
67 52.5 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 114 Resp: 362283
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.4
88 14.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 57.499 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070530.D

Acq: 29 Sep 2021 18:36

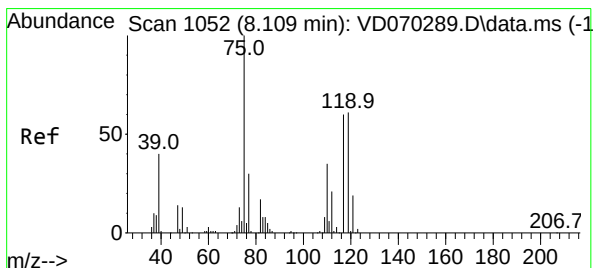
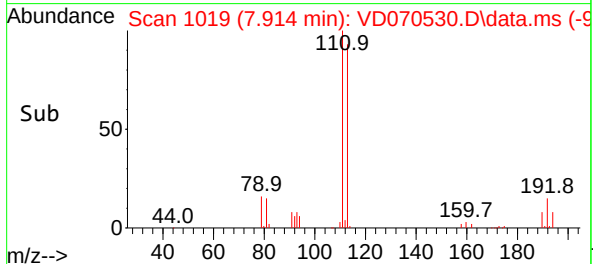
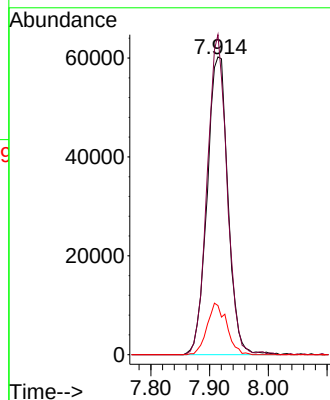
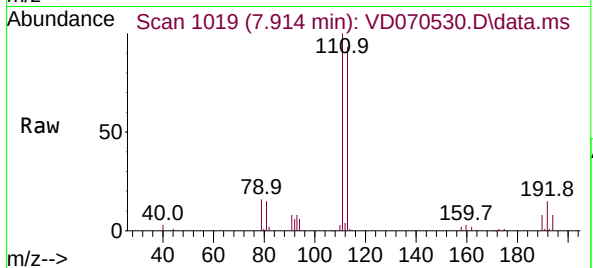
Tgt Ion:113 Resp: 148278

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

192 16.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.253 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD070530.D

Acq: 29 Sep 2021 18:36

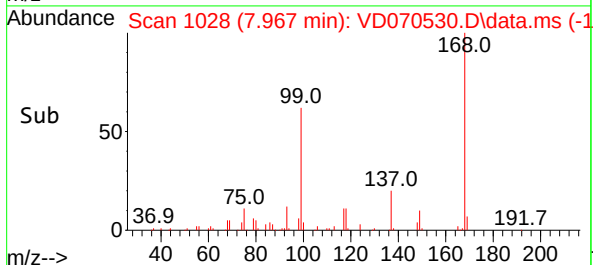
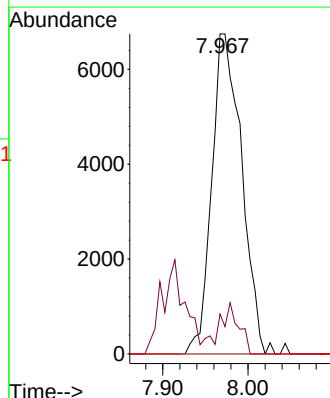
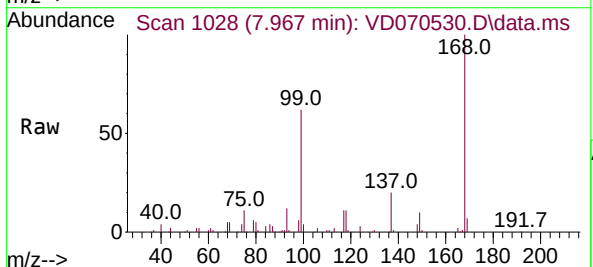
Tgt Ion: 75 Resp: 16470

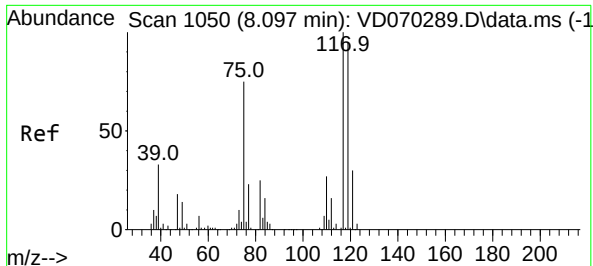
Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.7#

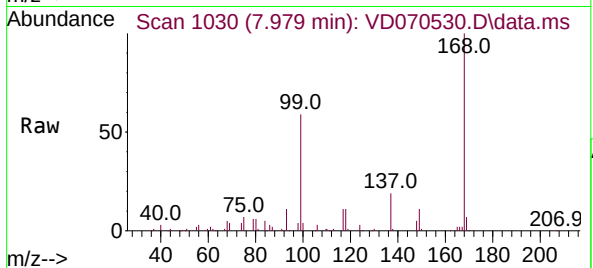
77 0.0 25.3 37.9#



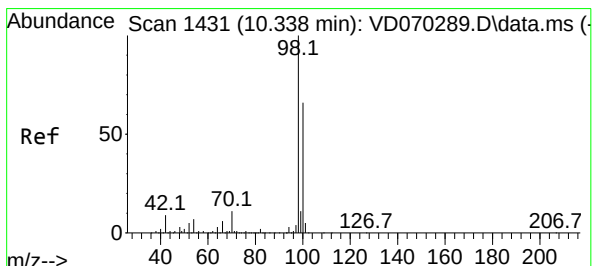
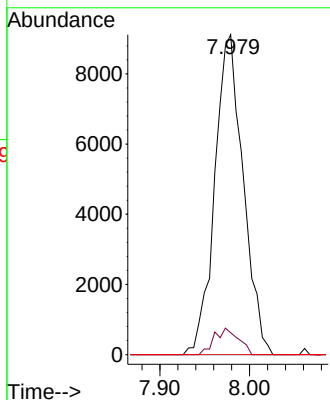
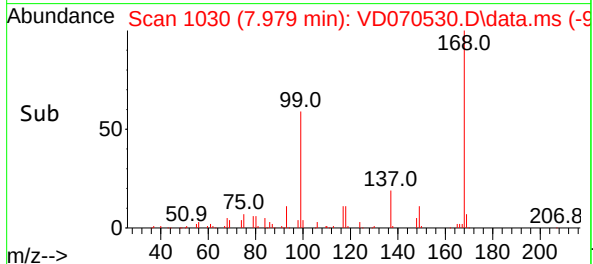


#38
Carbon Tetrachloride
Concen: 5.245 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

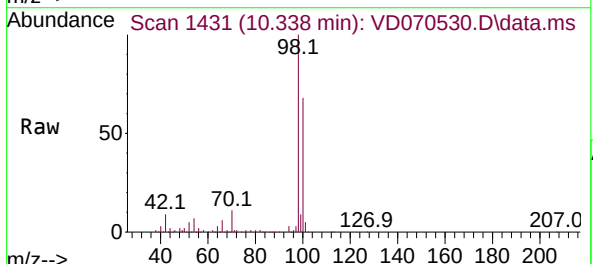
Instrument :
MSVOA_D
ClientSampleId :
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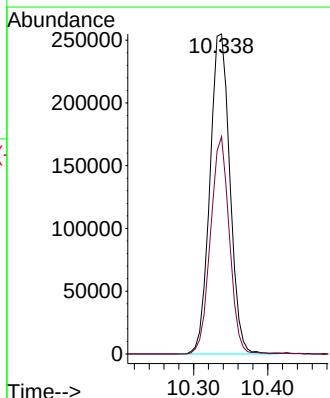
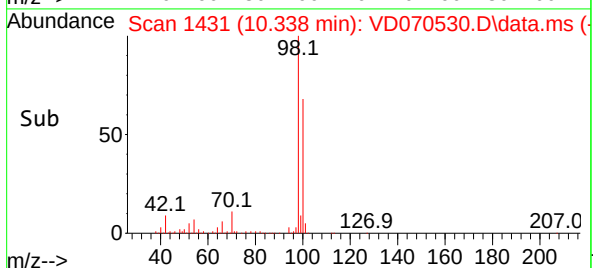
Tgt Ion:117 Resp: 20088
Ion Ratio Lower Upper
117 100
119 6.9 76.1 114.1#
121 0.0 23.8 35.6#

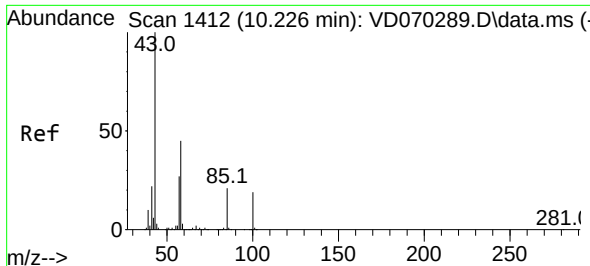


#50
Toluene-d8
Concen: 51.012 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36



Tgt Ion: 98 Resp: 477623
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

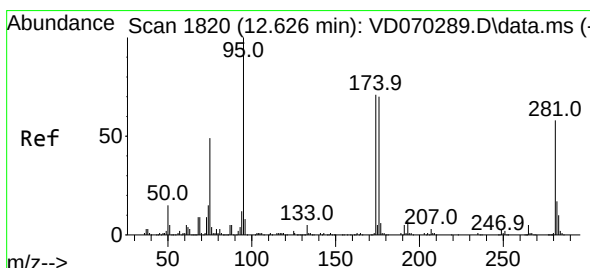
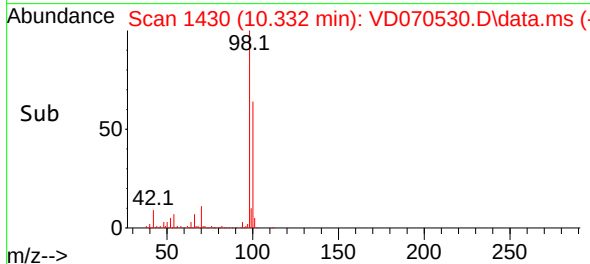
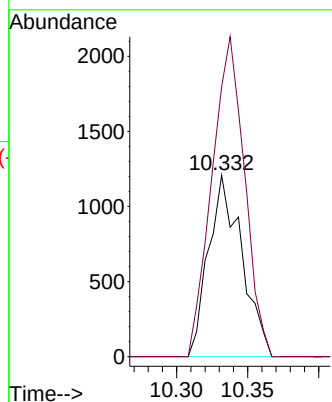
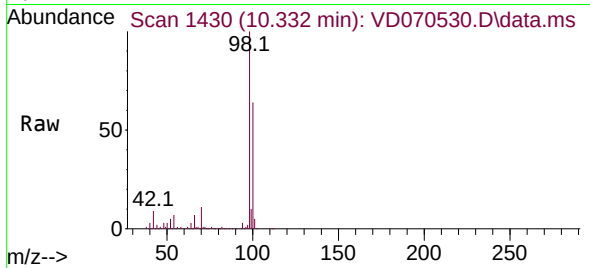




#51
4-Methyl-2-Pentanone
Concen: 1.417 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

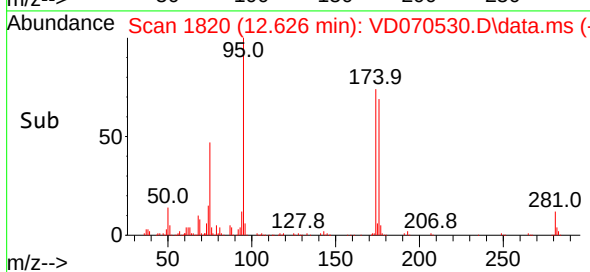
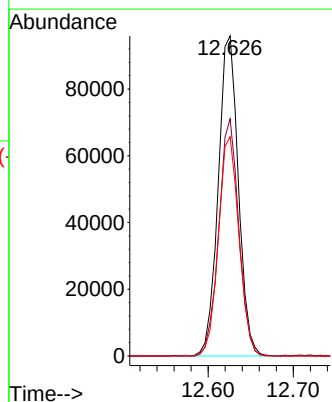
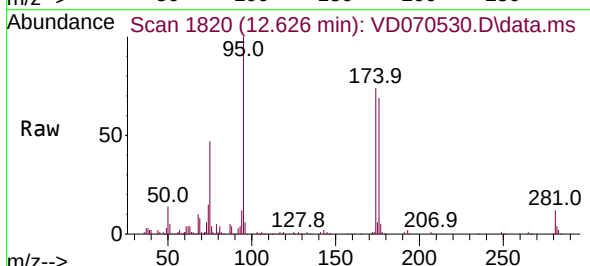
Instrument :
MSVOA_D
ClientSampleId :
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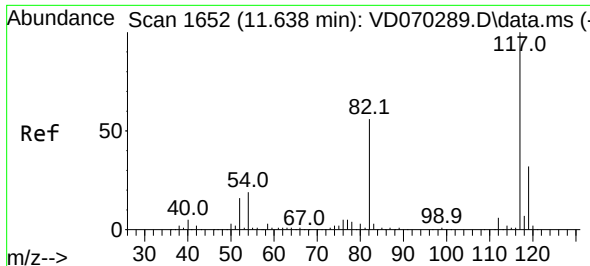
Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
58 173.7 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 48.177 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 95 Resp: 157647
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.6
176 69.7 0.0 137.4

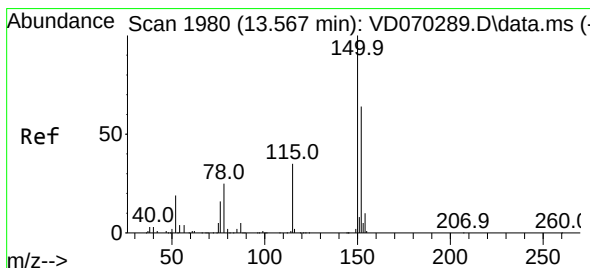
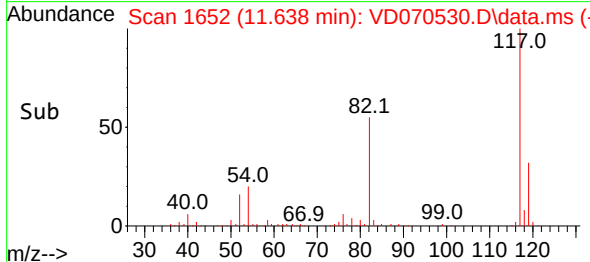
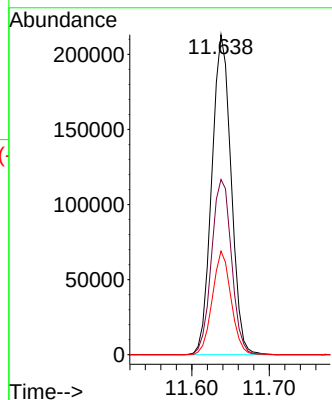
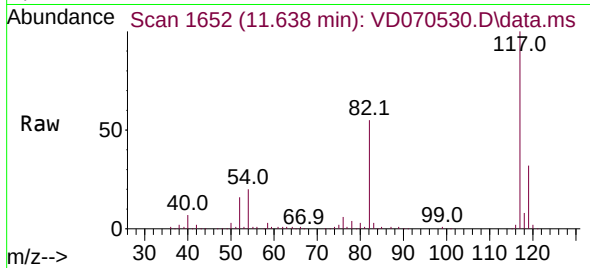




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

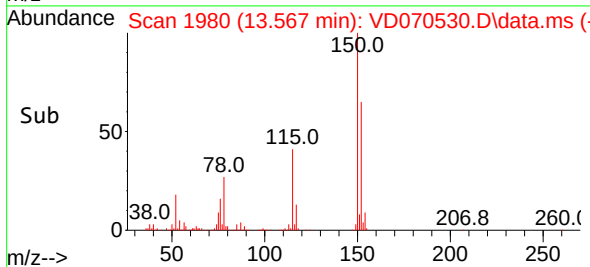
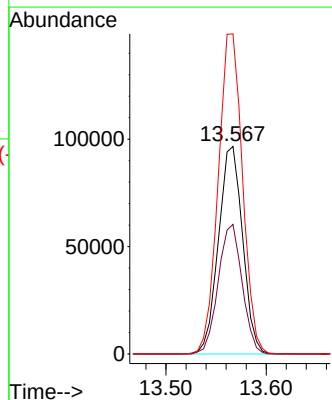
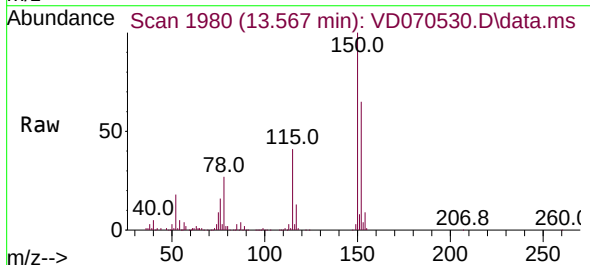
Instrument :
MSVOA_D
ClientSampleId :
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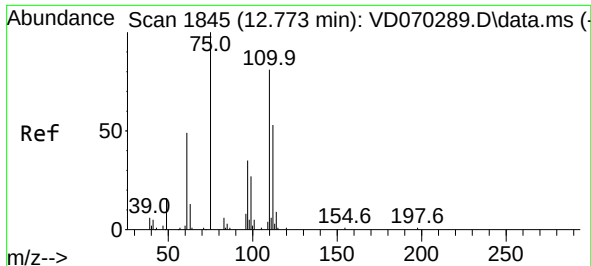
Tgt Ion:117 Resp: 369427
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion:152 Resp: 161484
Ion Ratio Lower Upper
152 100
115 61.7 32.1 96.3
150 155.5 0.0 350.6

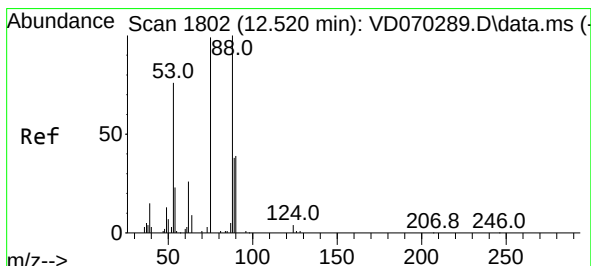
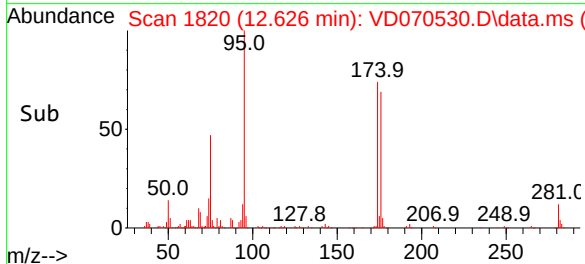
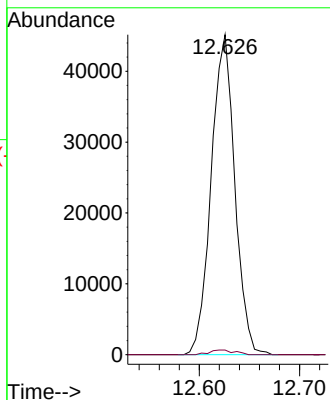
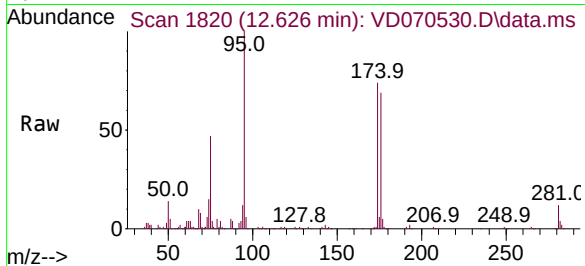




#76
1,2,3-Trichloropropane
Concen: 45.242 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-6-6.5-092821

Tgt Ion: 75 Resp: 73900
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.358 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070530.D
Acq: 29 Sep 2021 18:36

Tgt Ion: 75 Resp: 73900
Ion Ratio Lower Upper
75 100
53 0.1 64.2 96.2#
89 0.1 35.6 53.4#

