

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070529.D
 Acq On : 29 Sep 2021 18:08
 Operator : VA/SY
 Sample : M3975-07
 Misc : 7.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-841-R-SO-4-4.5-092821-FD

Quant Time: Sep 30 00:47:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

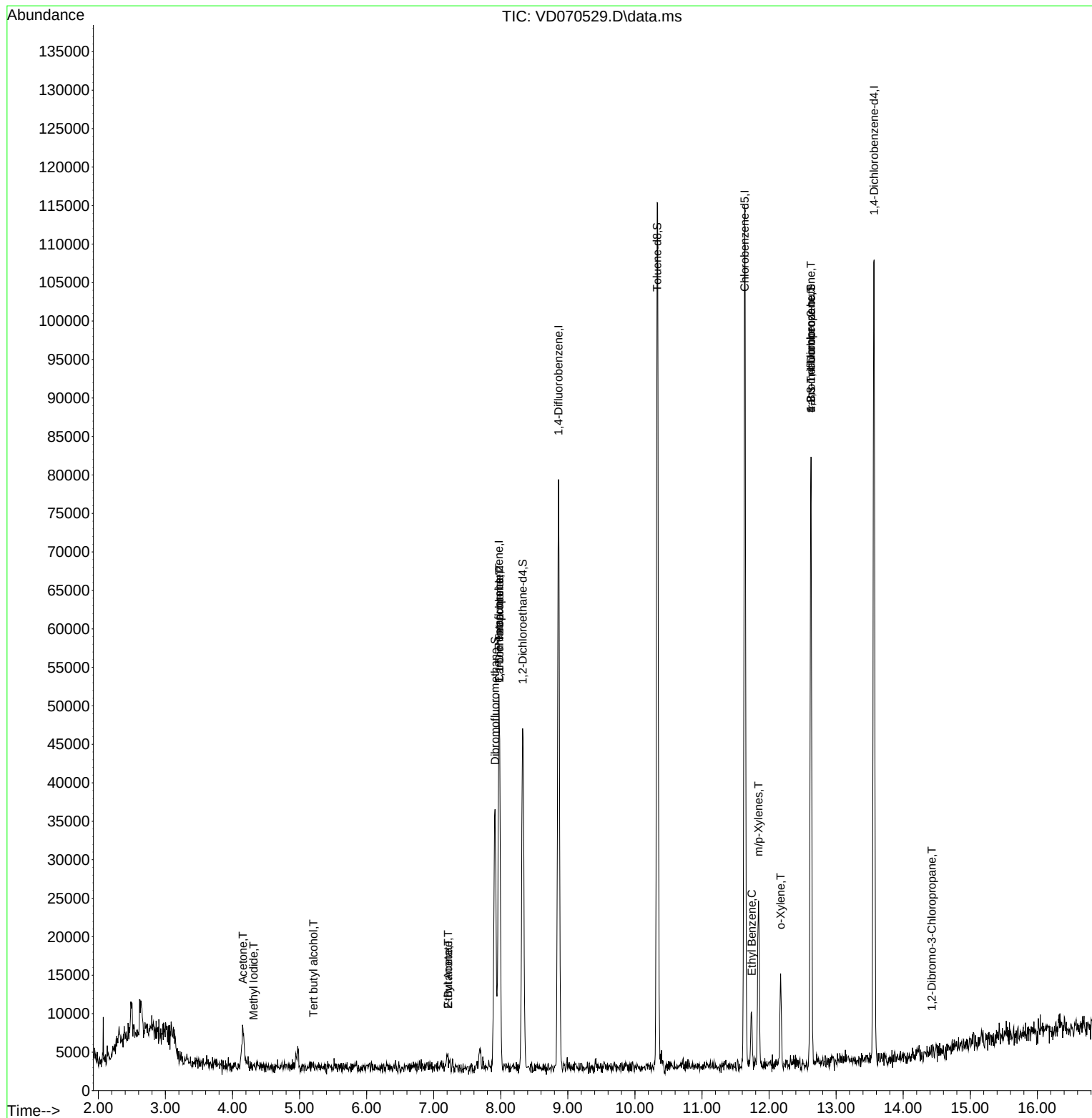
Internal Standards						
1) Pentafluorobenzene	7.973	168	34343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	63834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	66426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	28962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	37811	85.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 171.480%#			
35) Dibromofluoromethane	7.914	113	25257	55.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.180%			
50) Toluene-d8	10.332	98	80719	48.928	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.626	95	26272	45.567	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.140%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	236	Below Cal	#	42
5) Bromomethane	2.779	94	790	Below Cal		89
6) Chloroethane	2.709	64	120	Below Cal	#	43
10) Methyl Iodide	4.314	142	56	1.158	ug/l #	39
11) Tert butyl alcohol	5.208	59	78	1.564	ug/l #	100
16) Acetone	4.156	43	8033	102.034	ug/l #	79
20) Methylene Chloride	4.985	84	1598	Below Cal	#	60
25) 2-Butanone	7.214	43	2060	19.656	ug/l #	38
36) 1,1-Dichloropropene	7.979	75	3306	4.845	ug/l #	43
37) Ethyl Acetate	7.214	43	2060	8.074	ug/l #	70
38) Carbon Tetrachloride	7.979	117	3981	5.900	ug/l #	22
67) Ethyl Benzene	11.743	91	5625	2.370	ug/l	100
68) m/p-Xylenes	11.843	106	6257	6.826	ug/l	85
69) o-Xylene	12.173	106	3337	4.064	ug/l	89
76) 1,2,3-Trichloropropane	12.626	75	13246	45.215	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	13246	113.291	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.426	75	73	1.120	ug/l #	5

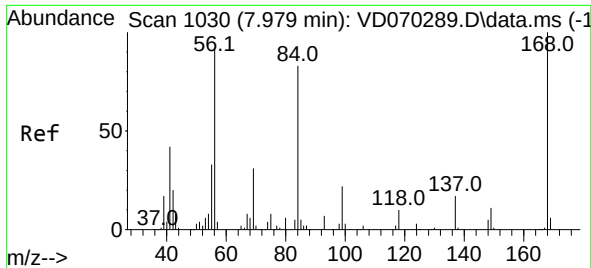
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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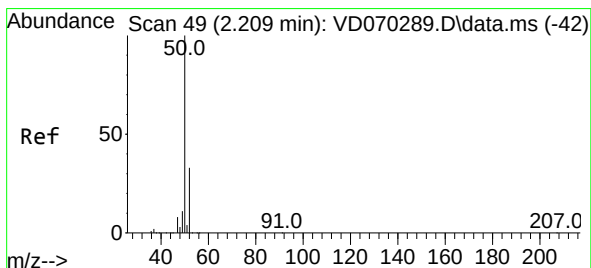
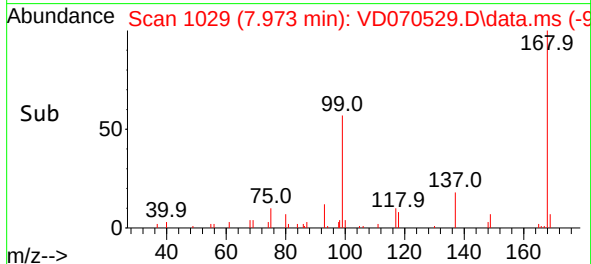
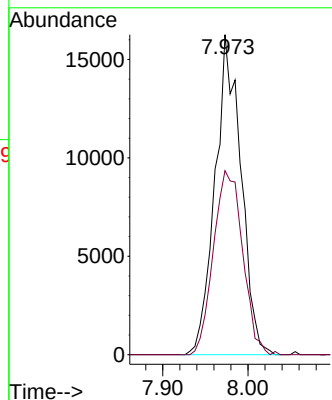
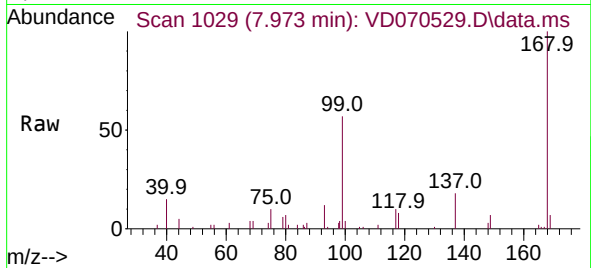




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

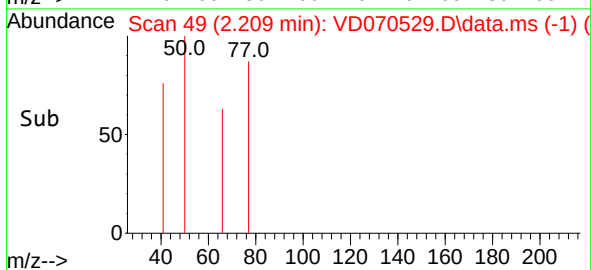
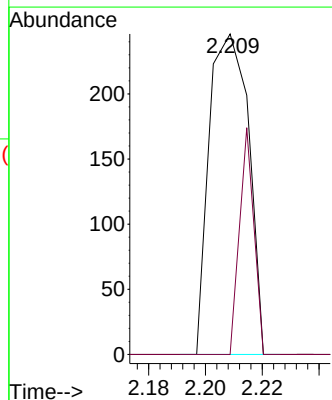
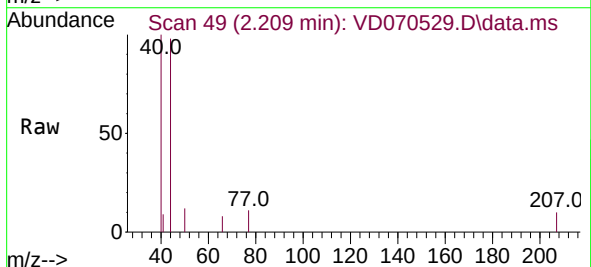
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

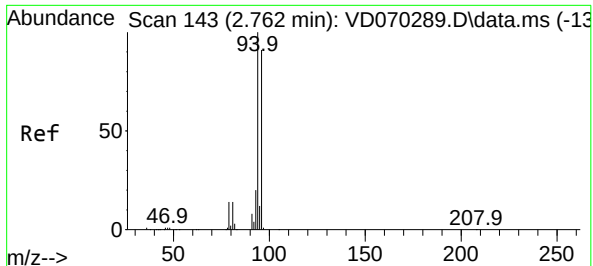
Tgt Ion:168 Resp: 34343
Ion Ratio Lower Upper
168 100
99 57.5 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 50 Resp: 236
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

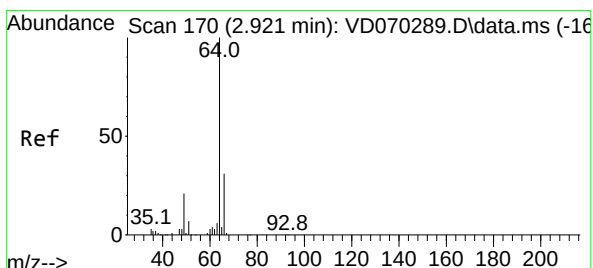
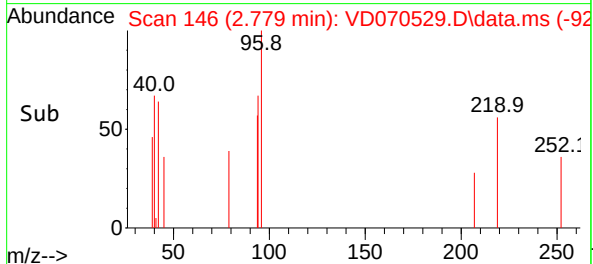
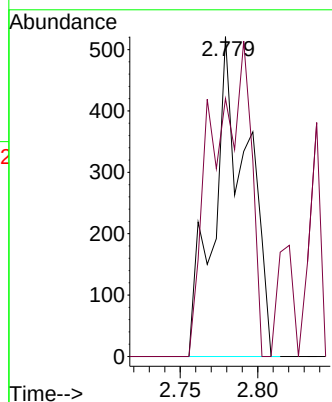
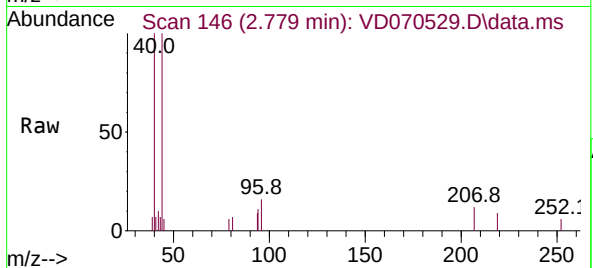




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

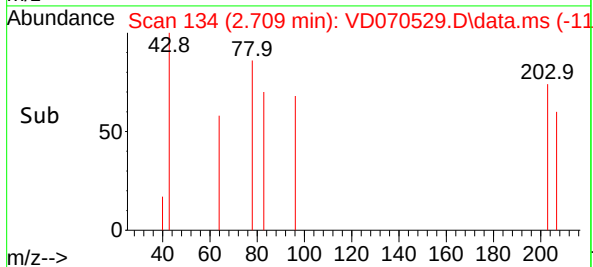
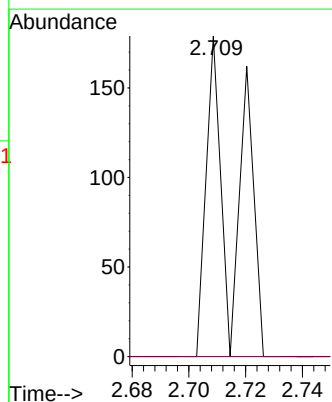
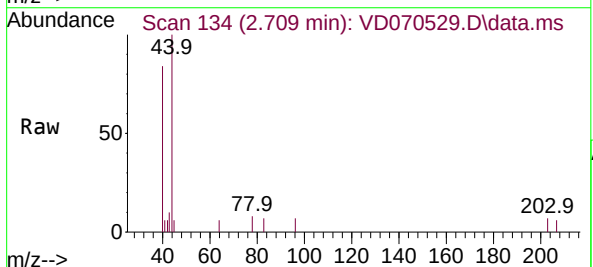
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

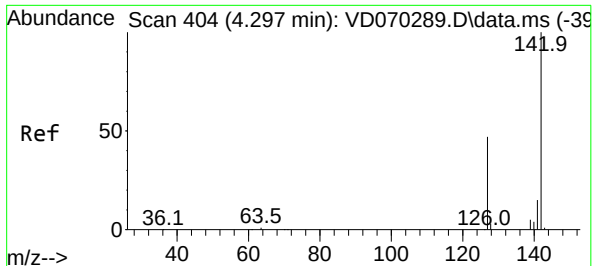
Tgt Ion: 94 Resp: 790
Ion Ratio Lower Upper
94 100
96 80.6 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.709 min Scan# 134
Delta R.T. -0.212 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

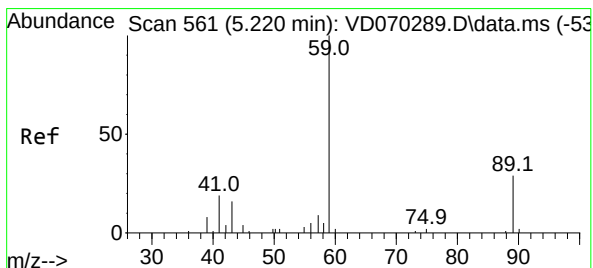
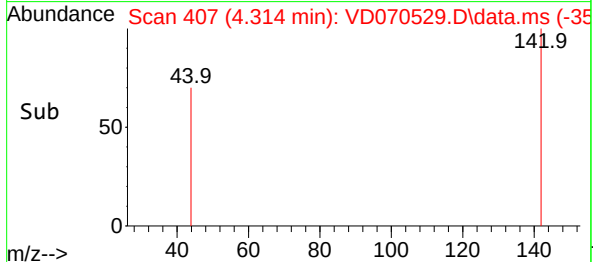
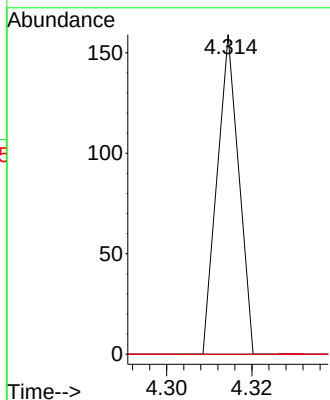
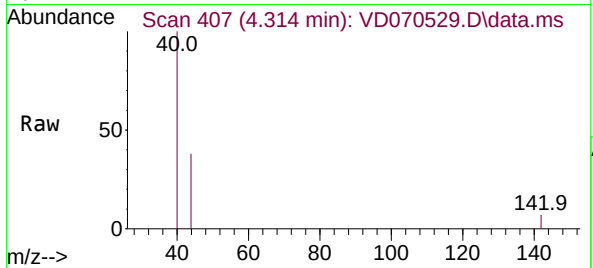




#10
Methyl Iodide
Concen: 1.158 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

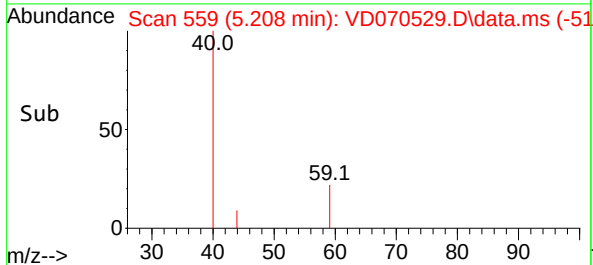
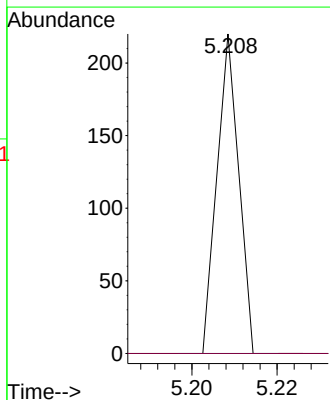
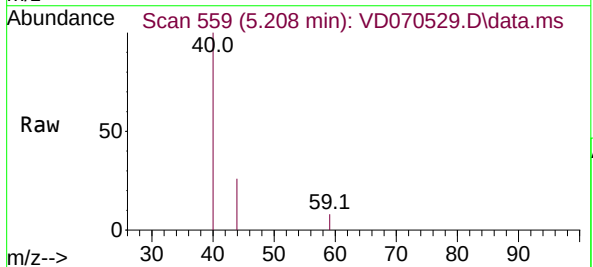
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

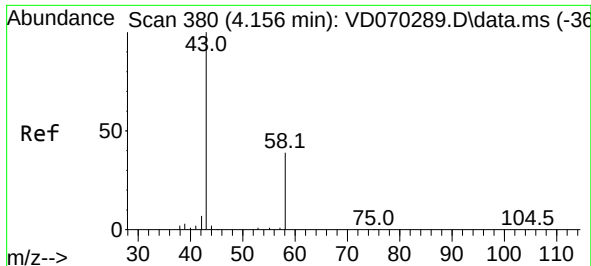
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 1.564 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

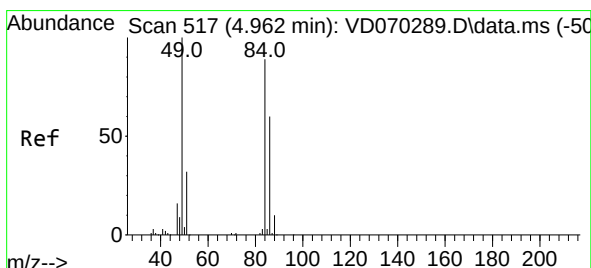
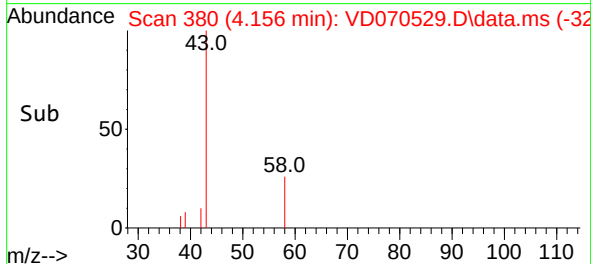
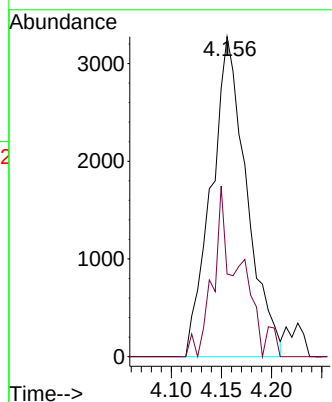
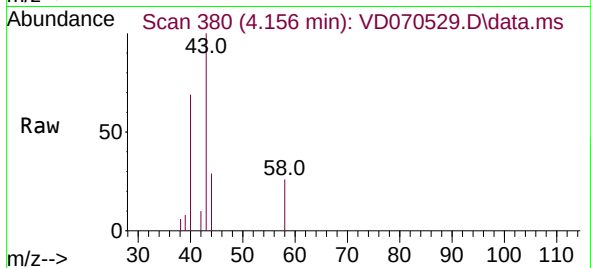




#16
Acetone
Concen: 102.034 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

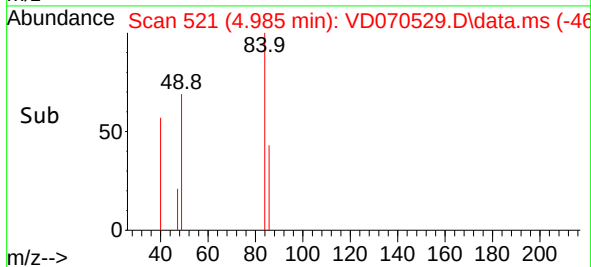
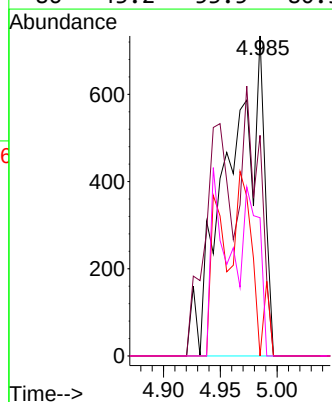
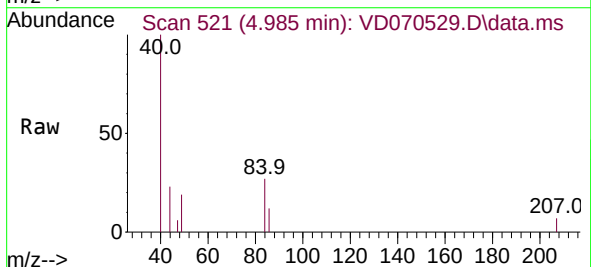
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

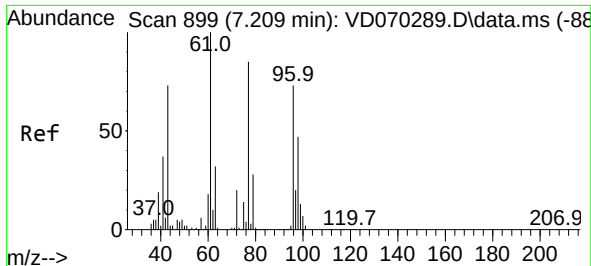
Tgt Ion: 43 Resp: 8033
Ion Ratio Lower Upper
43 100
58 25.8 30.9 46.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.985 min Scan# 521
Delta R.T. 0.023 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

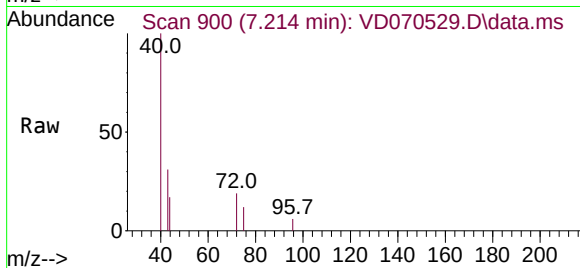
Tgt Ion: 84 Resp: 1598
Ion Ratio Lower Upper
84 100
49 68.9 89.6 134.4#
51 0.0 28.6 43.0#
86 43.2 53.5 80.3#



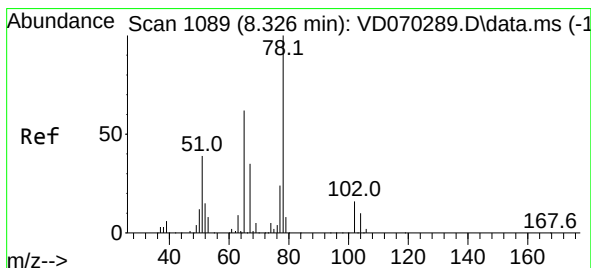
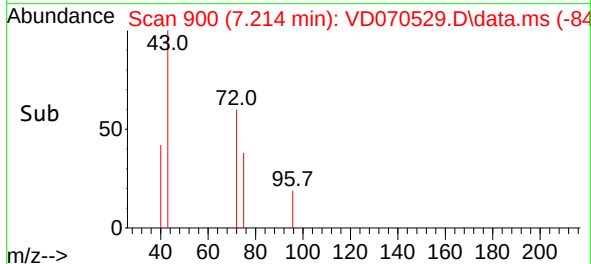
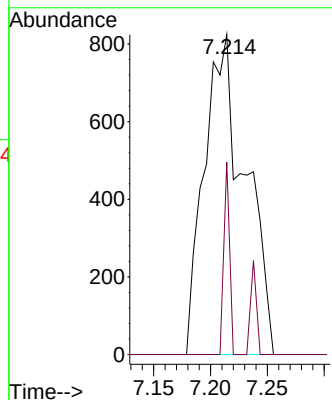


#25
2-Butanone
Concen: 19.656 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :
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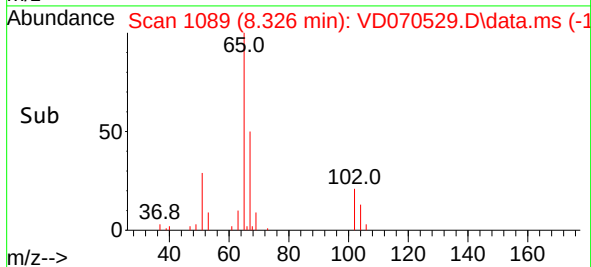
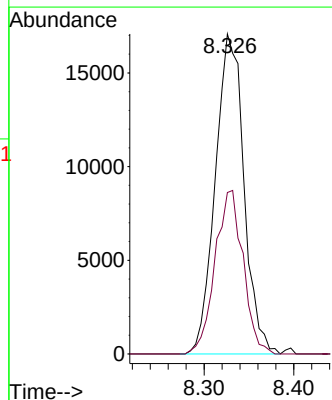
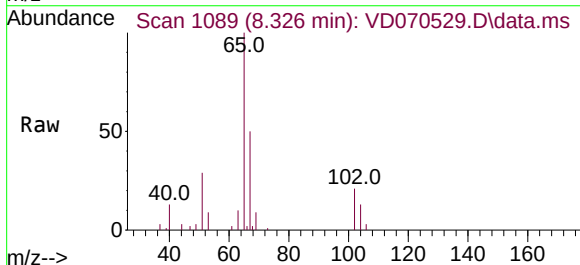


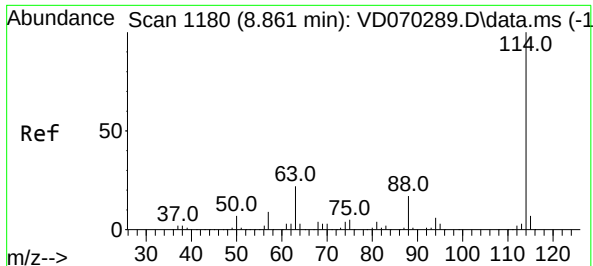
Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
72 60.2 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 85.745 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 65 Resp: 37811
Ion Ratio Lower Upper
65 100
67 50.1 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: VD070529.D

Acq: 29 Sep 2021 18:08

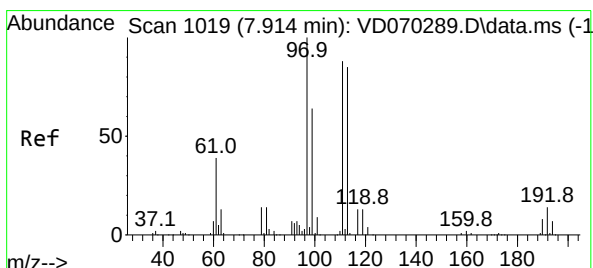
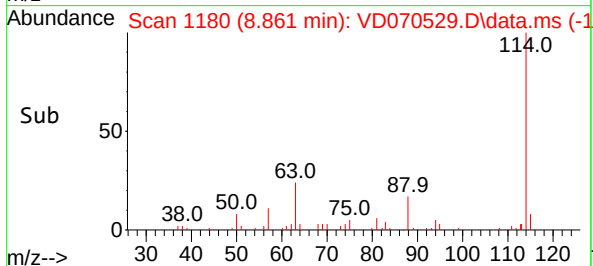
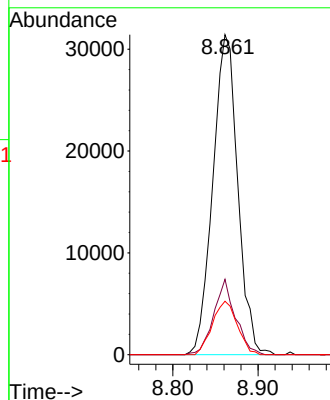
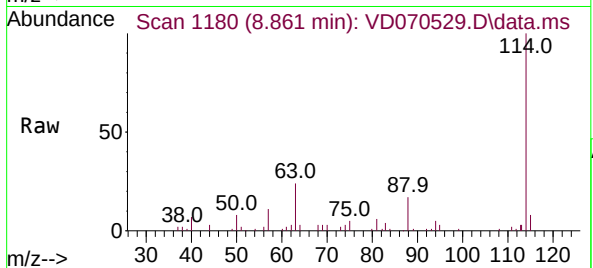
Tgt Ion:	114	Resp:	63834
Ion Ratio	Lower	Upper	
114	100		
63	23.5	0.0	43.4
88	16.7	0.0	33.4

Instrument :

MSVOA_D

ClientSampleId :

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#35

Dibromofluoromethane

Concen: 55.586 ug/l

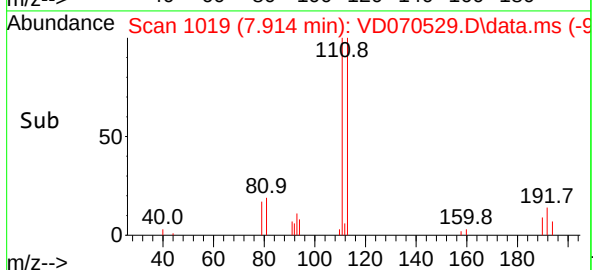
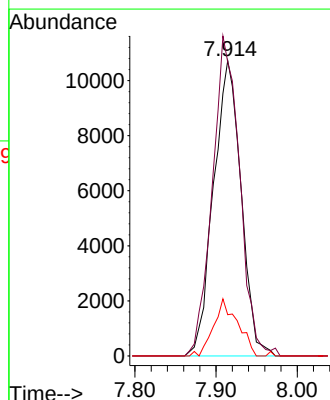
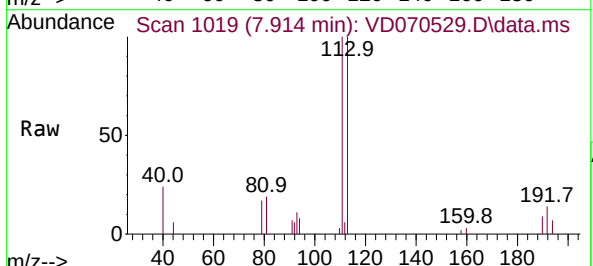
RT: 7.914 min Scan# 1019

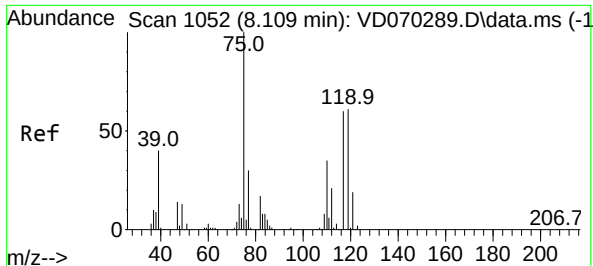
Delta R.T. -0.000 min

Lab File: VD070529.D

Acq: 29 Sep 2021 18:08

Tgt Ion:	113	Resp:	25257
Ion Ratio	Lower	Upper	
113	100		
111	107.4	81.4	122.2
192	16.8	13.0	19.6

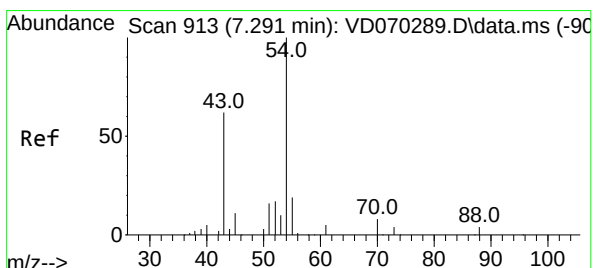
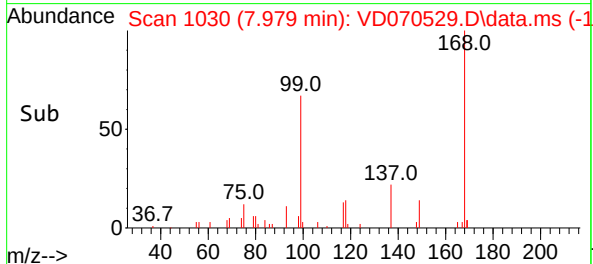
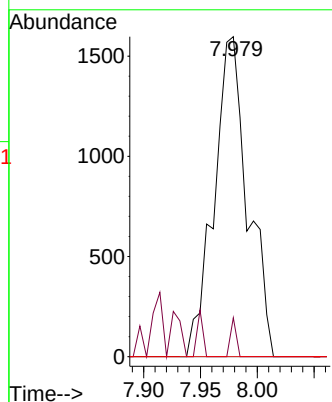
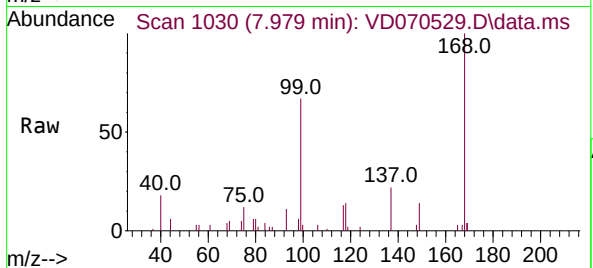




#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

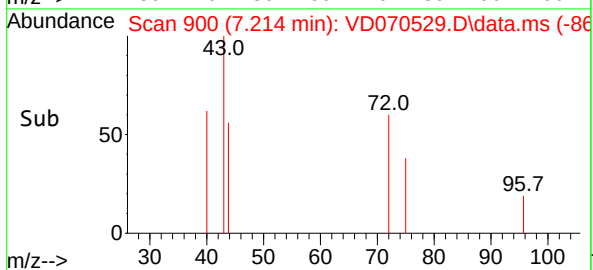
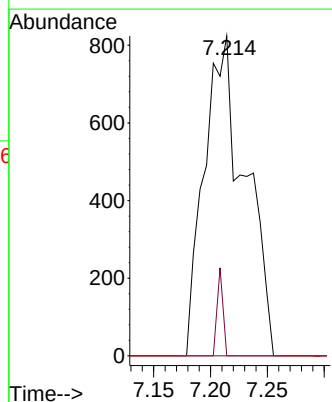
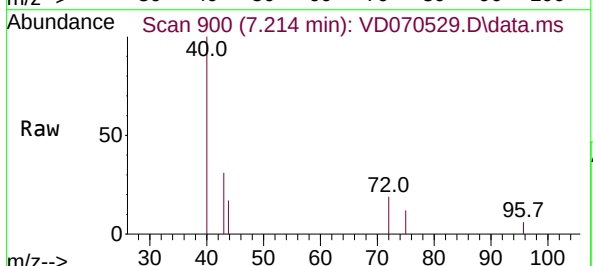
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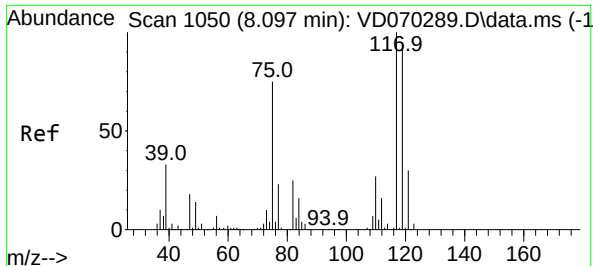
Tgt Ion: 75 Resp: 3306
Ion Ratio Lower Upper
75 100
110 2.1 17.9 53.7#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 8.074 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

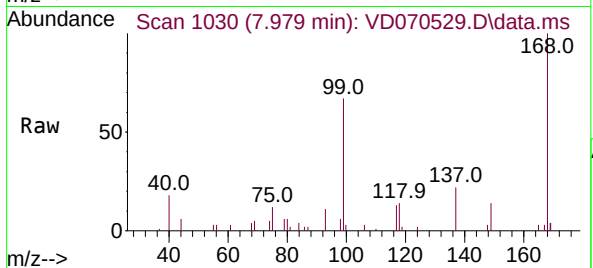
Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
61 3.9 13.0 19.6#
70 0.0 9.8 14.6#



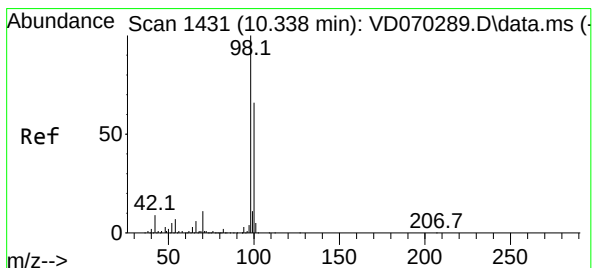
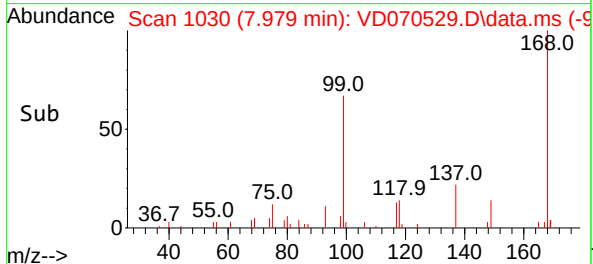
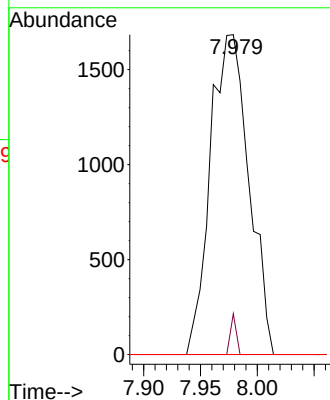


#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :
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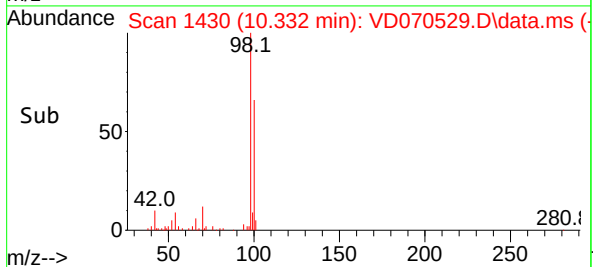
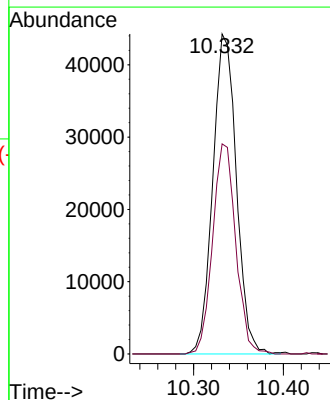
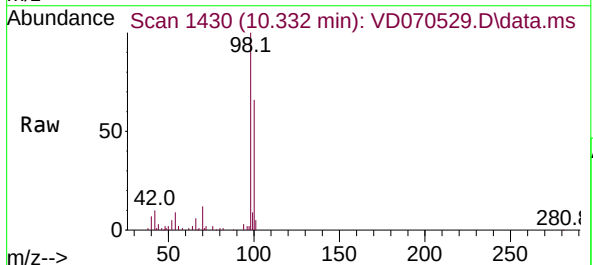


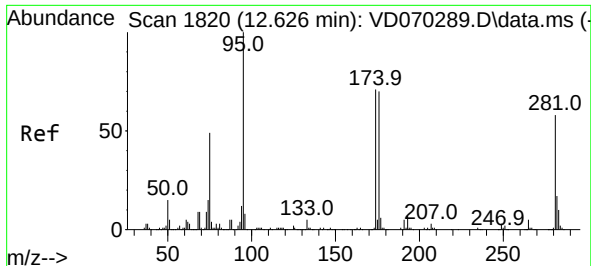
Tgt Ion:117 Resp: 3981
Ion Ratio Lower Upper
117 100
119 12.8 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.928 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 98 Resp: 80719
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

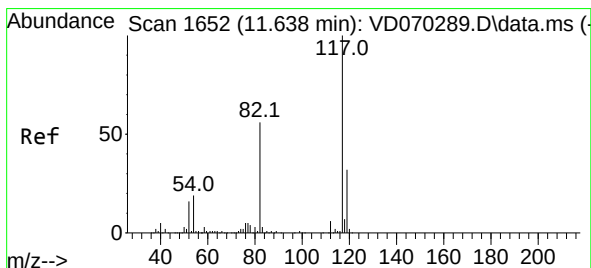
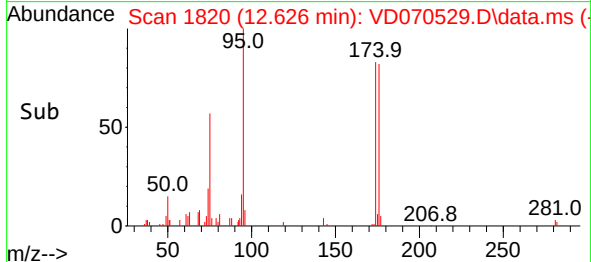
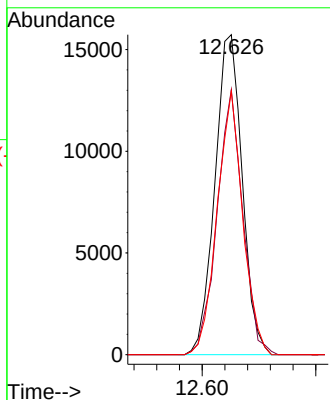
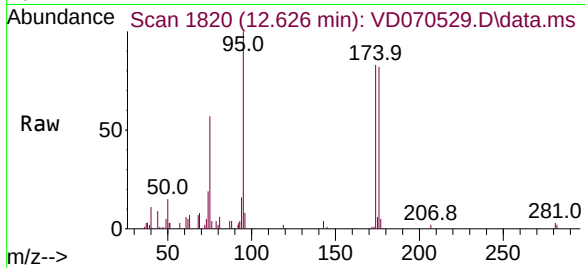




#62
4-Bromofluorobenzene
Concen: 45.567 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

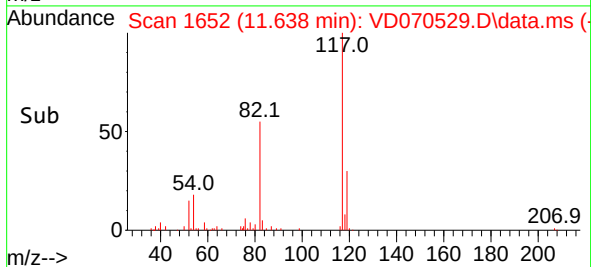
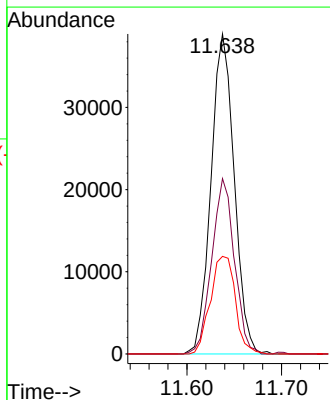
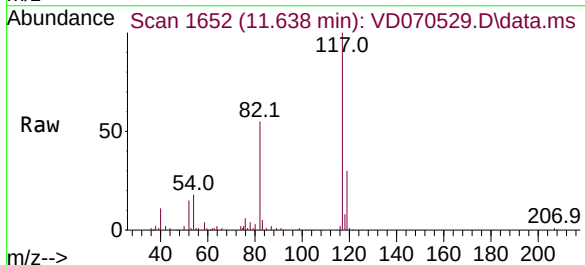
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

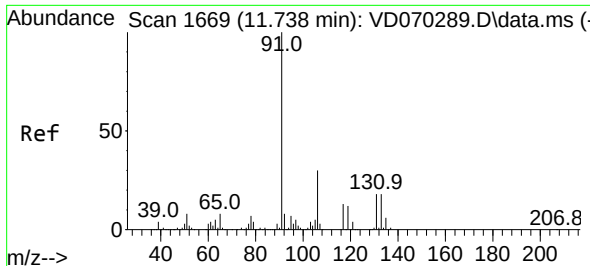
Tgt Ion:	95	Resp:	26272
Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	140.6
176	77.2	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion:	117	Resp:	66426
Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.0	67.4
119	30.5	25.2	37.8

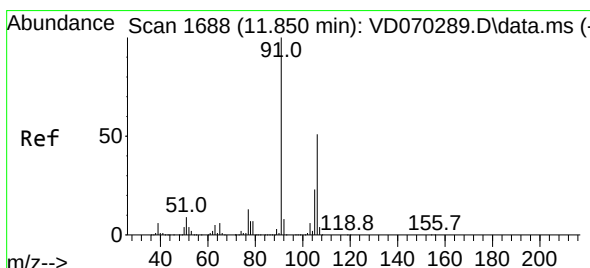
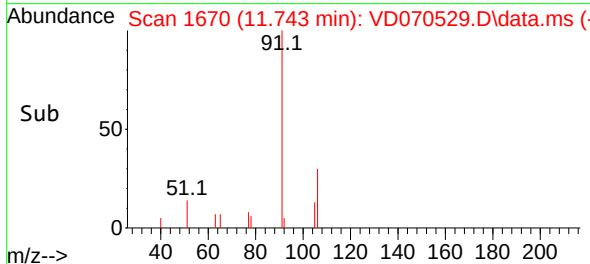
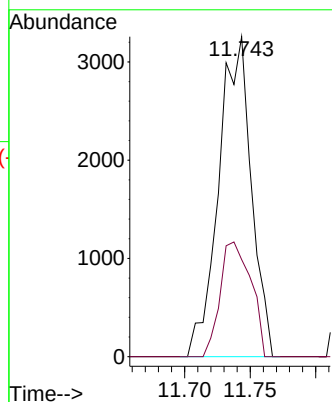
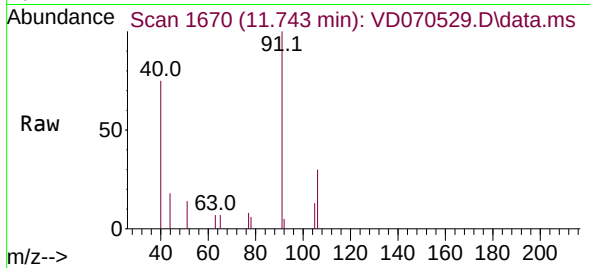




#67
Ethyl Benzene
Concen: 2.370 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.006 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

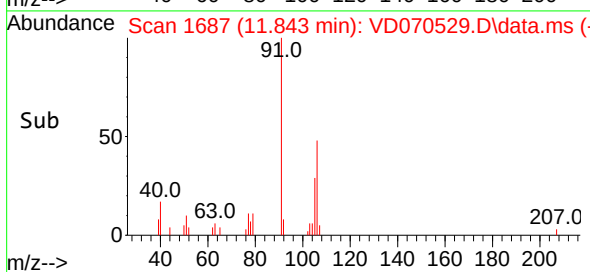
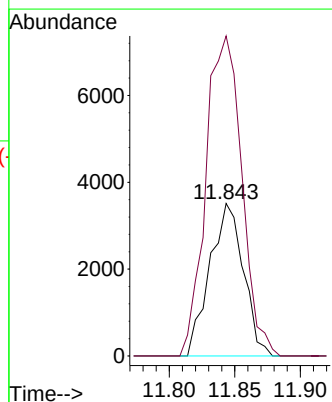
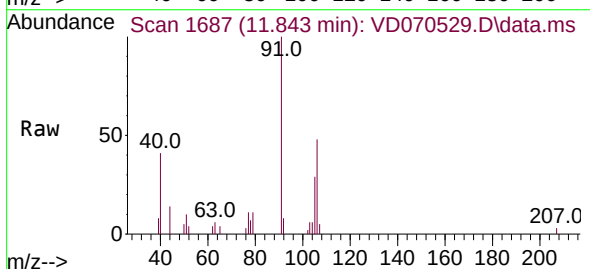
Instrument :
MSVOA_D
ClientSampleId :
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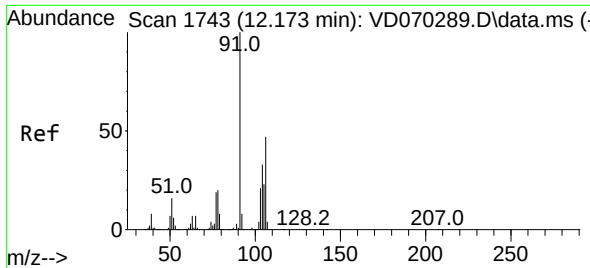
Tgt Ion: 91 Resp: 5625
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2



#68
m/p-Xylenes
Concen: 6.826 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 106 Resp: 6257
Ion Ratio Lower Upper
106 100
91 224.4 161.2 241.8

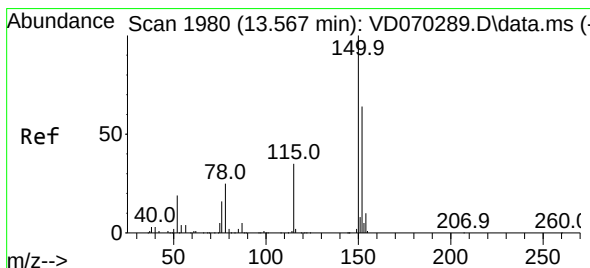
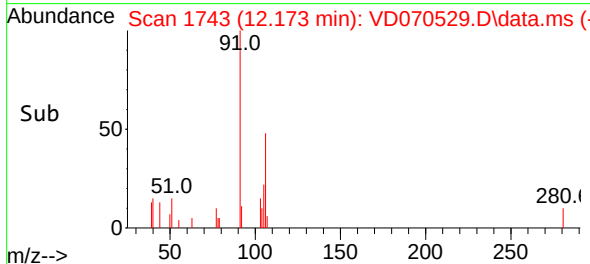
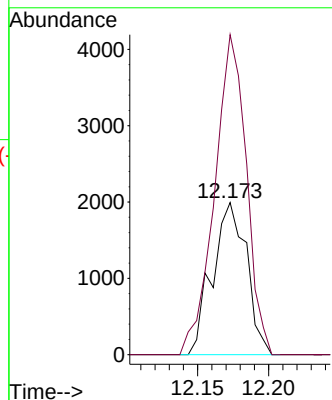
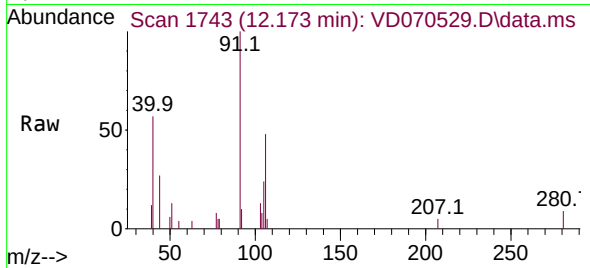




#69
o-Xylene
Concen: 4.064 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

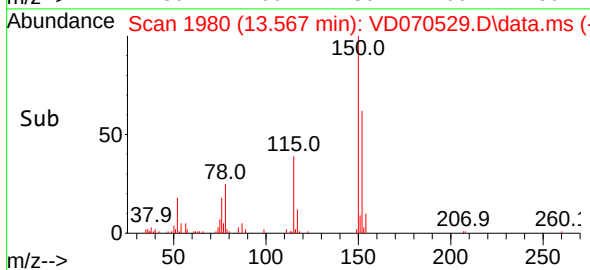
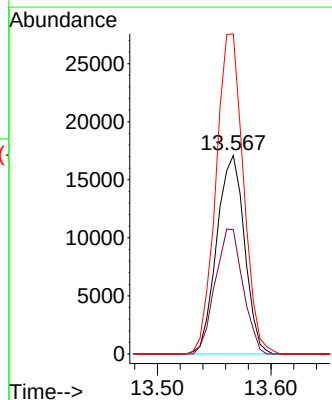
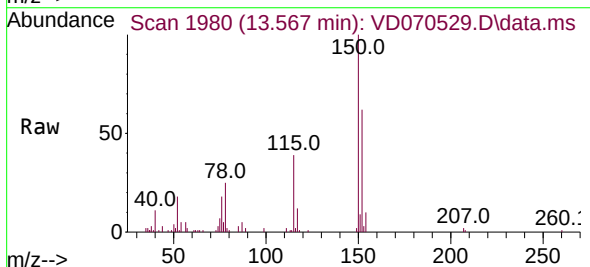
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

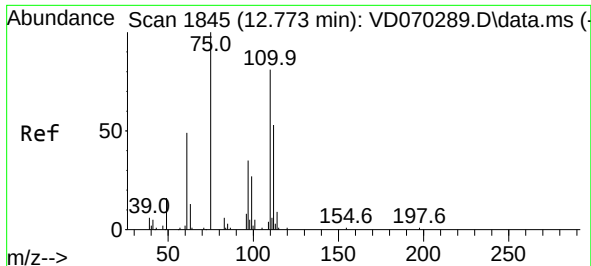
Tgt Ion:106 Resp: 3337
Ion Ratio Lower Upper
106 100
91 195.9 106.3 318.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion:152 Resp: 28962
Ion Ratio Lower Upper
152 100
115 63.2 32.1 96.3
150 160.1 0.0 350.6

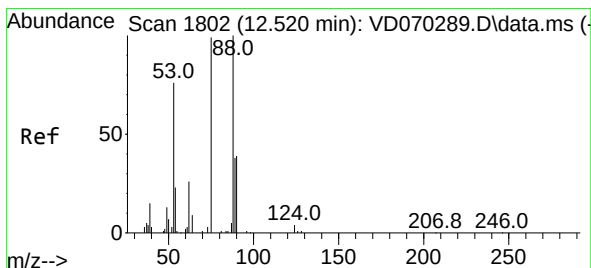
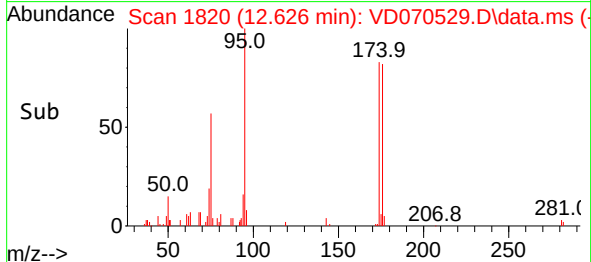
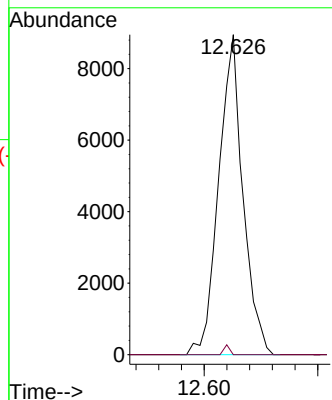
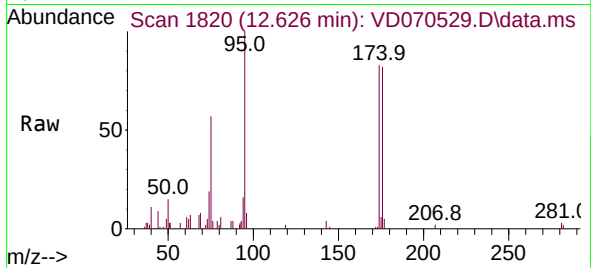




#76
1,2,3-Trichloropropane
Concen: 45.215 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

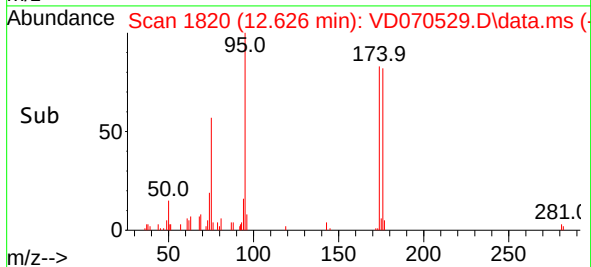
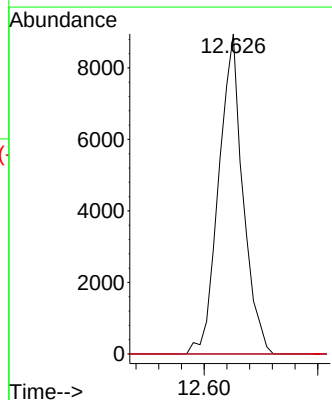
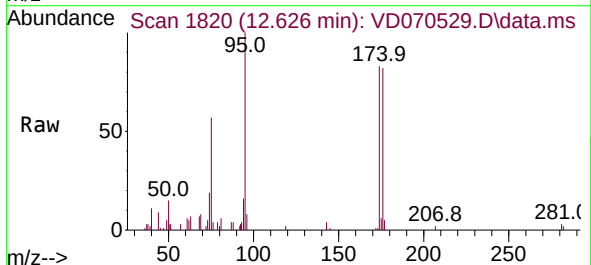
Instrument :
MSVOA_D
ClientSampleId :
S-841-R-SO-4-4.5-092821-FD

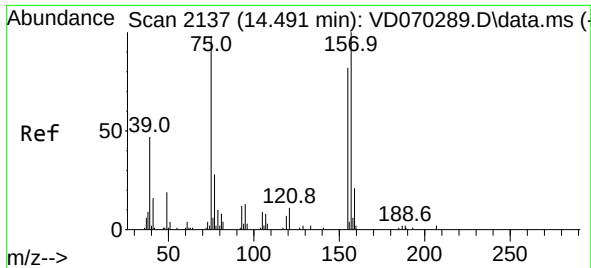
Tgt Ion: 75 Resp: 13246
Ion Ratio Lower Upper
75 100
77 0.7 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.291 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070529.D
Acq: 29 Sep 2021 18:08

Tgt Ion: 75 Resp: 13246
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.120 ug/l
 RT: 14.426 min Scan# 2126
 Delta R.T. -0.065 min
 Lab File: VD070529.D
 Acq: 29 Sep 2021 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 S-841-R-SO-4-4.5-092821-FD

Tgt Ion: 75 Resp: 73
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.3 120.9#
 157 0.0 48.9 146.6#

