

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070420.D
 Acq On : 22 Sep 2021 12:08
 Operator : VA/SY
 Sample : M3824-01RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-BRE

Quant Time: Sep 23 05:30:44 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)

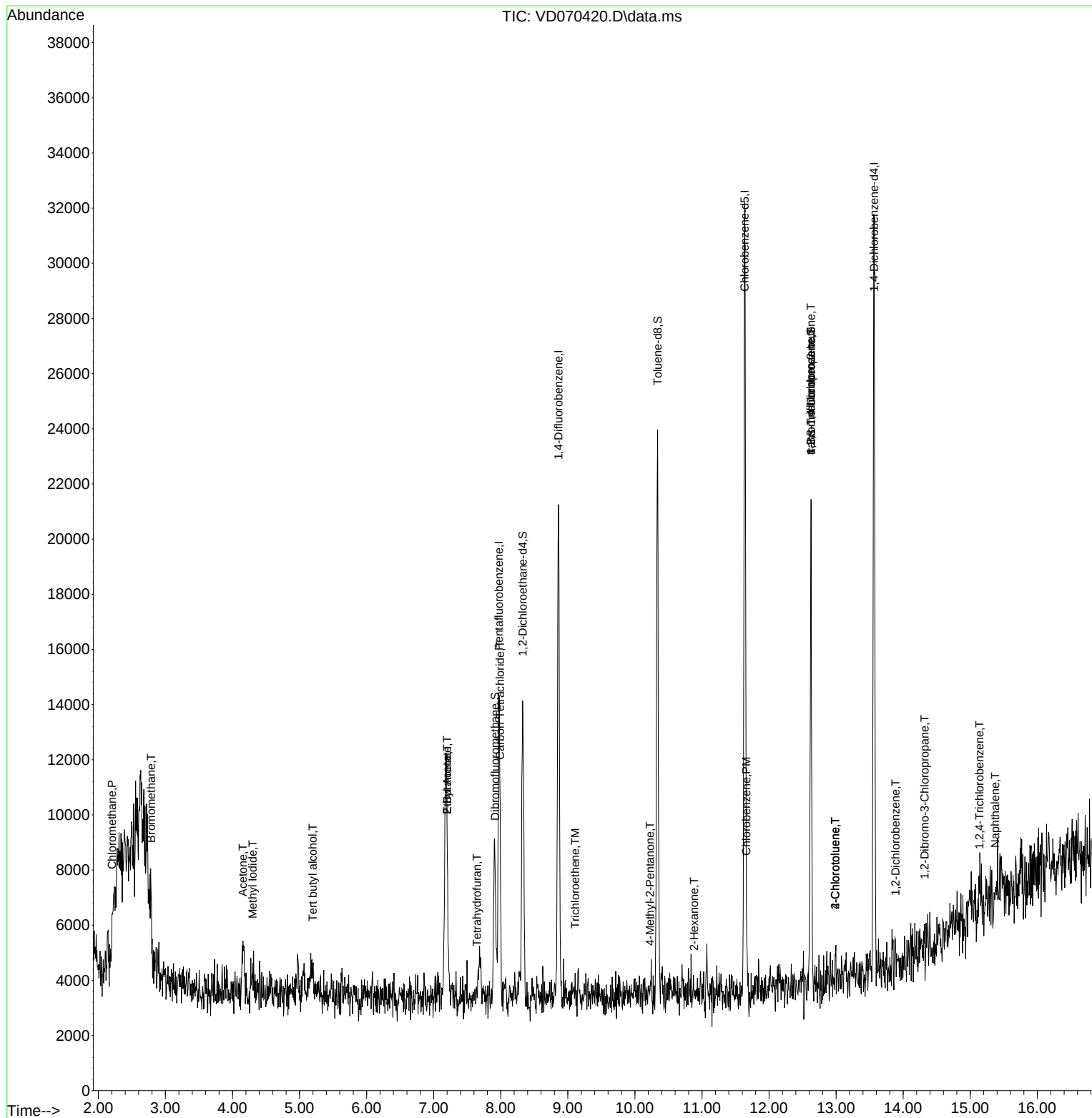
Internal Standards						
1) Pentafluorobenzene	7.973	168	8057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	16101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17864	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8778	84.850	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 169.700%#			
35) Dibromofluoromethane	7.914	113	4466	38.967	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 77.940%			
50) Toluene-d8	10.338	98	14141	33.983	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 67.960%			
62) 4-Bromofluorobenzene	12.626	95	5525	37.991	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.980%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	765	3.234	ug/l	91
5) Bromomethane	2.785	94	2152	25.395	ug/l #	62
6) Chloroethane	2.803	64	55	Below Cal	#	43
10) Methyl Iodide	4.303	142	1466	15.430	ug/l #	77
11) Tert butyl alcohol	5.197	59	741	63.348	ug/l #	100
16) Acetone	4.156	43	3134	169.679	ug/l	92
18) Methyl Acetate	4.709	43	64	Below Cal	#	48
25) 2-Butanone	7.203	43	183	7.443	ug/l #	47
29) Tetrahydrofuran	7.644	42	55	3.485	ug/l #	29
37) Ethyl Acetate	7.203	43	183	2.844	ug/l #	1
38) Carbon Tetrachloride	7.991	117	992	5.828	ug/l #	12
44) Trichloroethene	9.108	130	141	1.170	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	190	3.086	ug/l	93
59) 2-Hexanone	10.885	43	108	2.629	ug/l #	20
65) Chlorobenzene	11.661	112	403	1.089	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	2714	31.448	ug/l #	1
79) 2-Chlorotoluene	12.985	91	517	1.142	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.626	75	2714	78.795	ug/l #	17
82) 4-Chlorotoluene	12.985	91	517	1.083	ug/l #	42
91) 1,2-Dichlorobenzene	13.885	146	280	1.104	ug/l #	39
92) 1,2-Dibromo-3-Chloropr...	14.320	75	66	3.439	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.137	180	177	1.293	ug/l #	59
95) Naphthalene	15.373	128	529	2.126	ug/l #	69

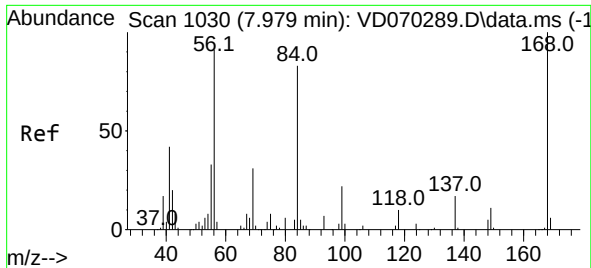
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 23 05:30:44 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

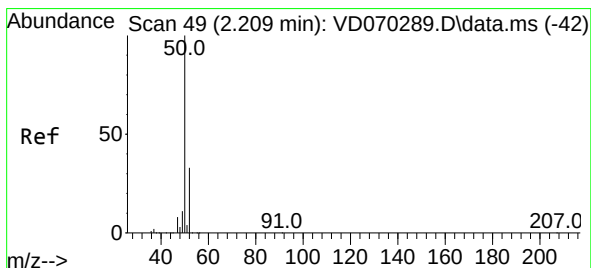
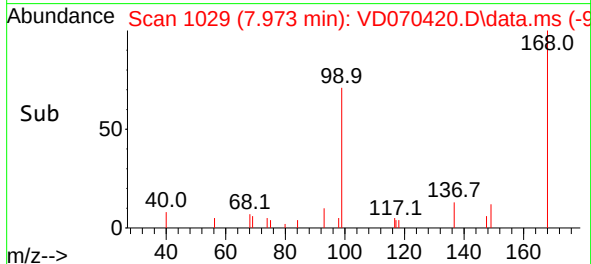
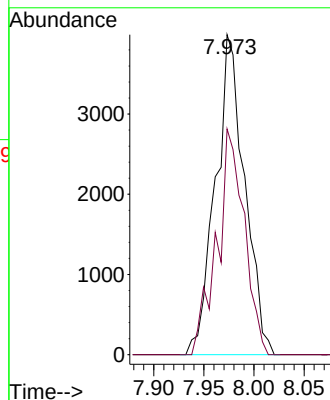
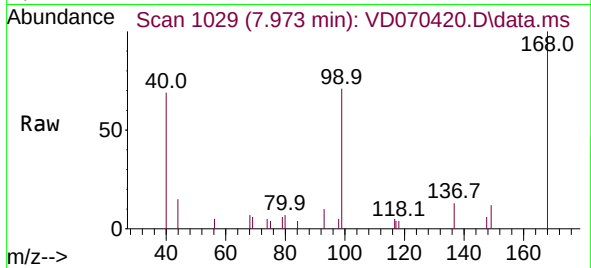




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

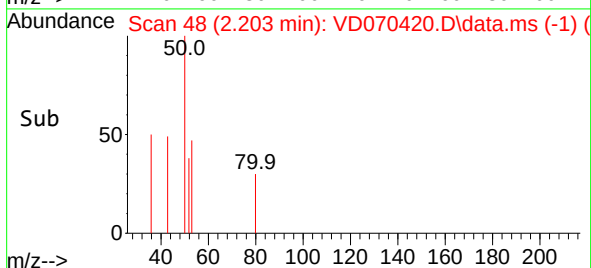
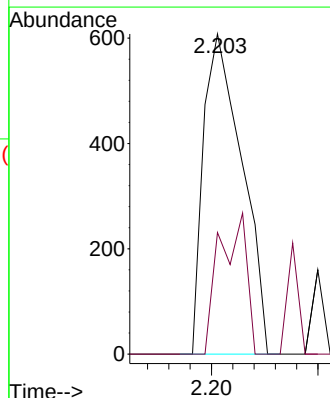
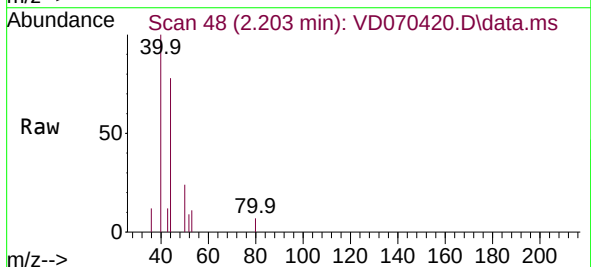
Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

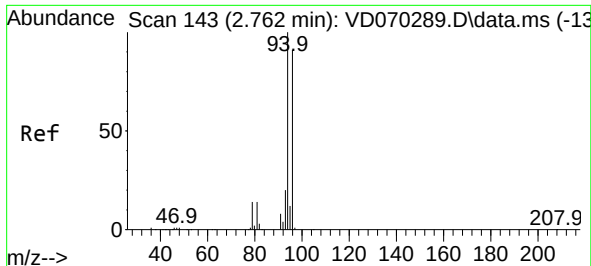
Tgt Ion:168 Resp: 8057
Ion Ratio Lower Upper
168 100
99 70.6 50.8 76.2



#3
Chloromethane
Concen: 3.234 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 50 Resp: 765
Ion Ratio Lower Upper
50 100
52 38.0 26.2 39.2

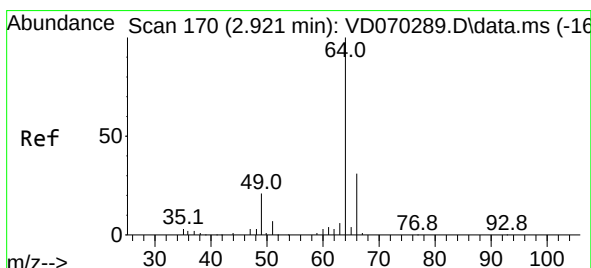
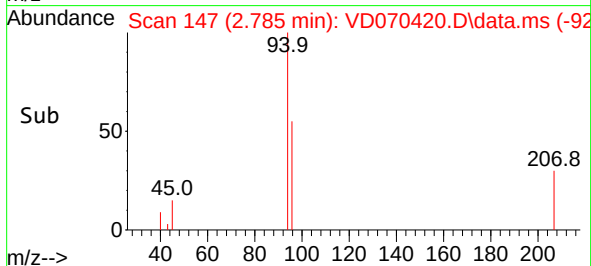
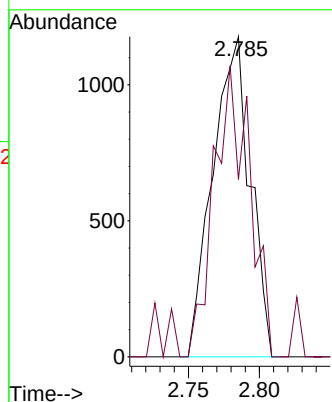
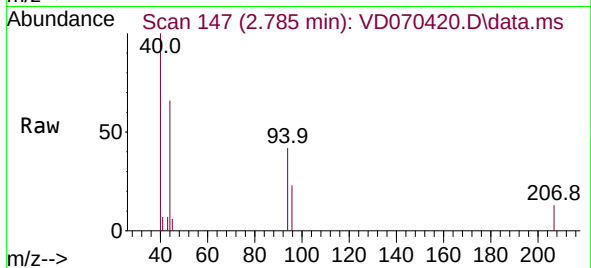




#5
Bromomethane
Concen: 25.395 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

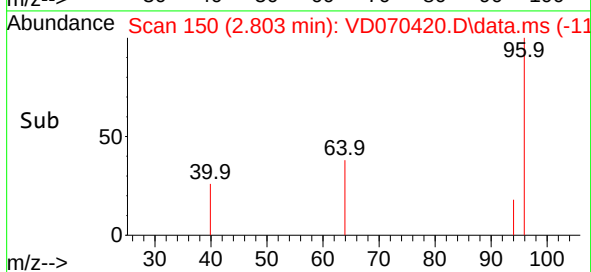
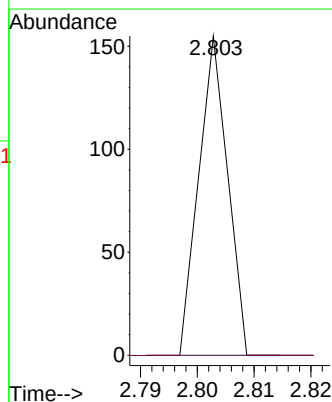
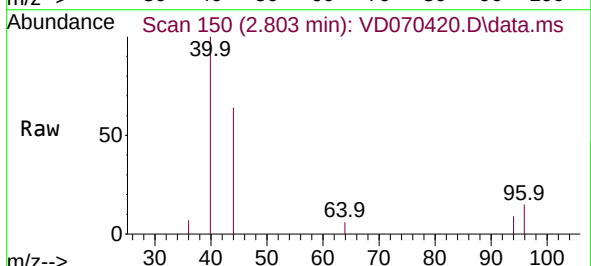
Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

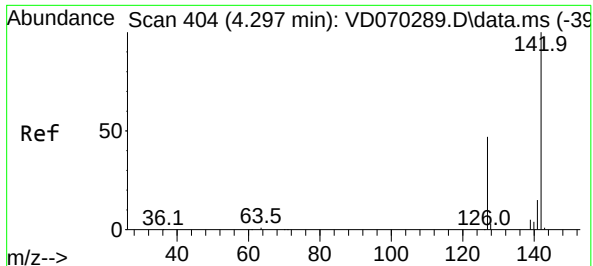
Tgt Ion: 94 Resp: 2152
Ion Ratio Lower Upper
94 100
96 55.4 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.803 min Scan# 150
Delta R.T. -0.118 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

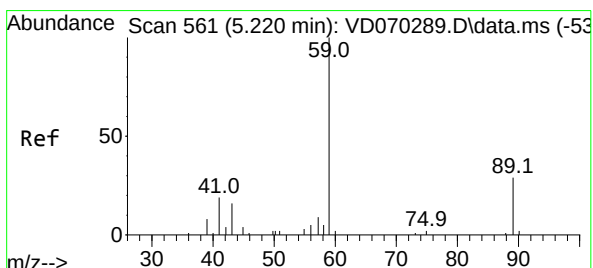
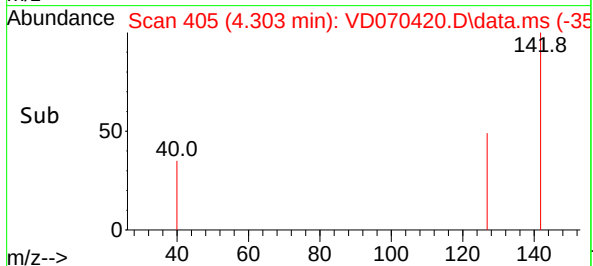
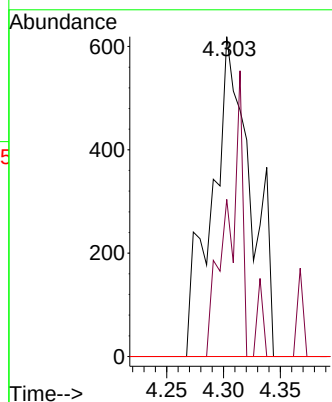
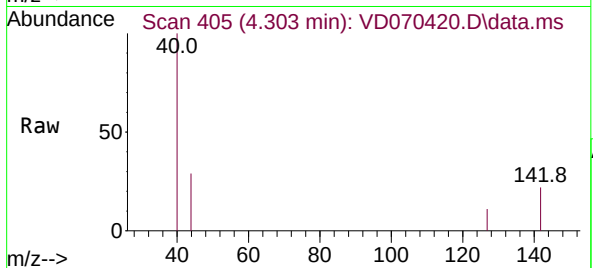




#10
Methyl Iodide
Concen: 15.430 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

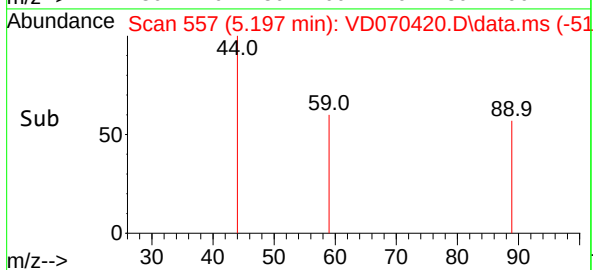
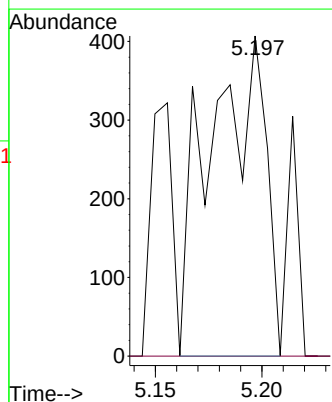
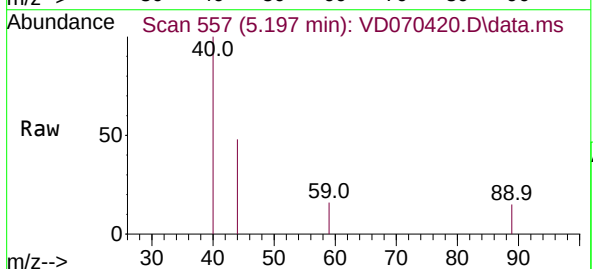
Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

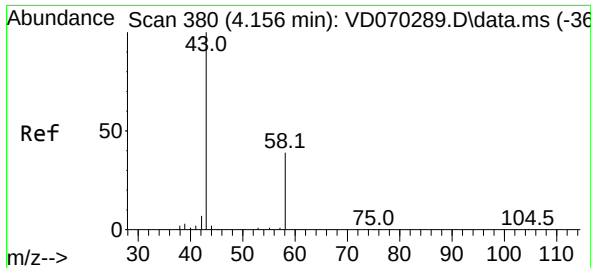
Tgt Ion:142 Resp: 1466
Ion Ratio Lower Upper
142 100
127 33.4 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 63.348 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

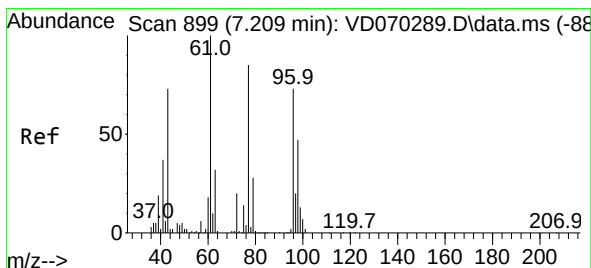
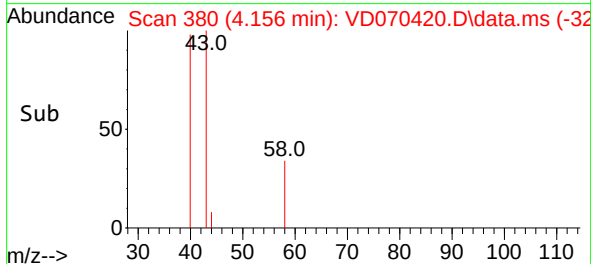
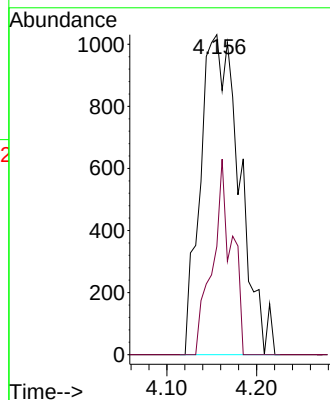
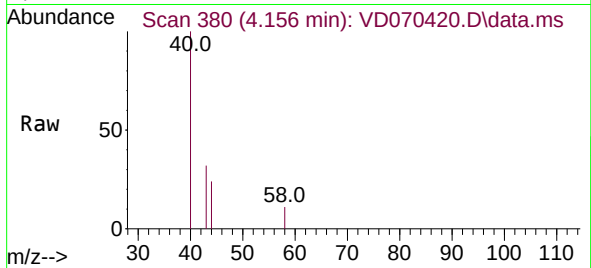




#16
Acetone
Concen: 169.679 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

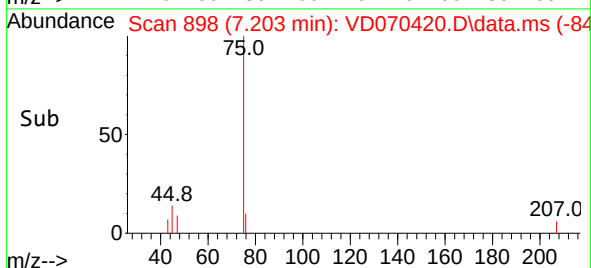
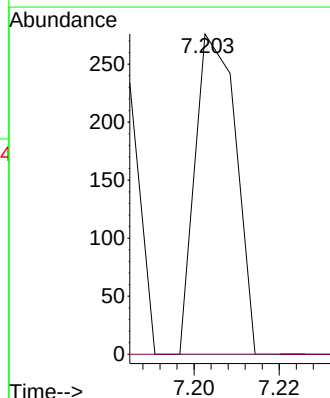
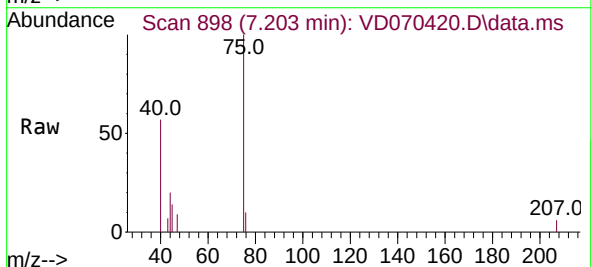
Instrument :
MSVOA_D
ClientSampled :
TP-BRE

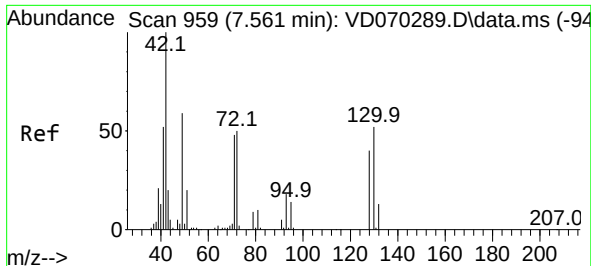
Tgt Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
58 33.9 30.9 46.3



#25
2-Butanone
Concen: 7.443 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#





#29

Tetrahydrofuran

Concen: 3.485 ug/l

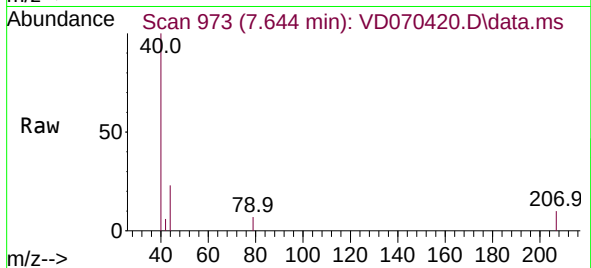
RT: 7.644 min Scan# 973

Delta R.T. 0.082 min

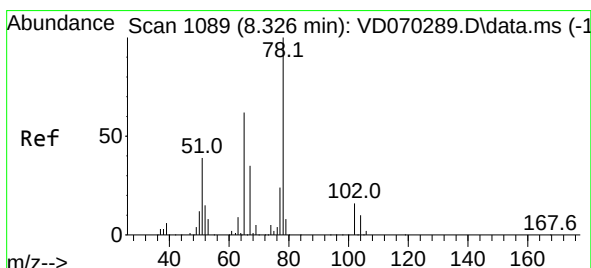
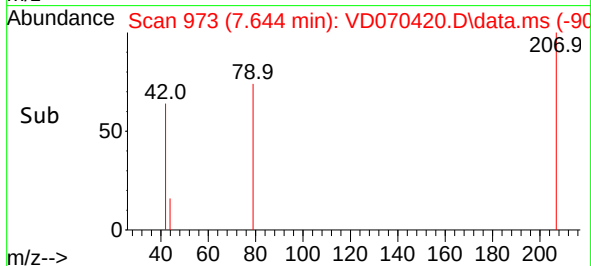
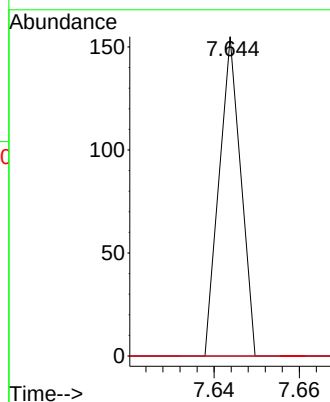
Lab File: VD070420.D

Acq: 22 Sep 2021 12:08

Instrument :
MSVOA_D
ClientSampleId :
TP-BRE



Tgt Ion:	42	Resp:	55
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.8	58.2#
71	0.0	37.8	56.6#



#33

1,2-Dichloroethane-d4

Concen: 84.850 ug/l

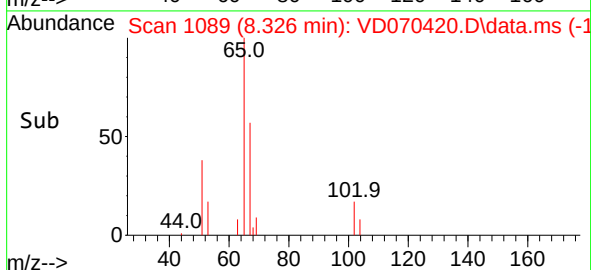
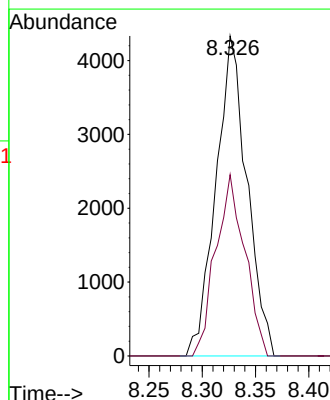
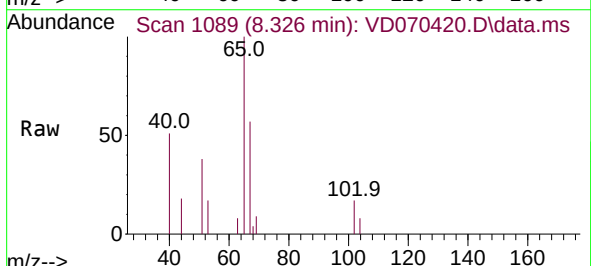
RT: 8.326 min Scan# 1089

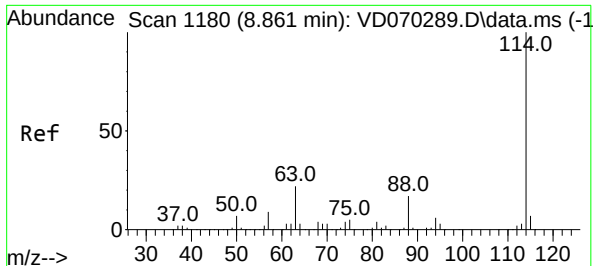
Delta R.T. -0.000 min

Lab File: VD070420.D

Acq: 22 Sep 2021 12:08

Tgt Ion:	65	Resp:	8778
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	111.4

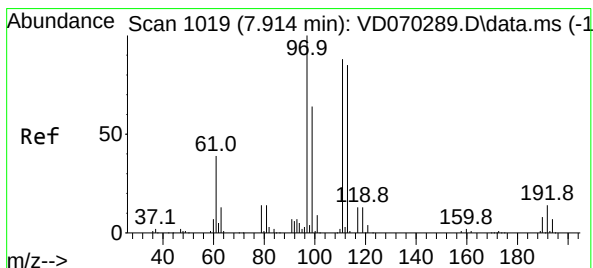
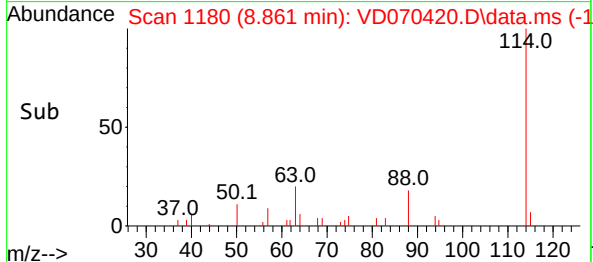
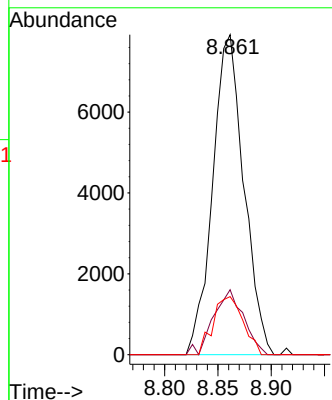
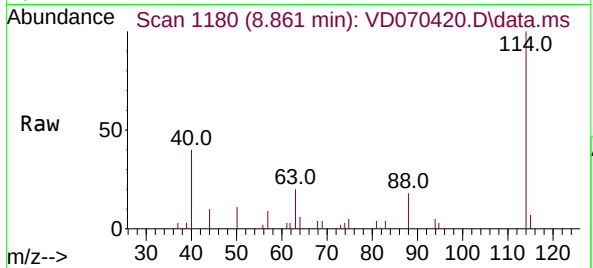




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

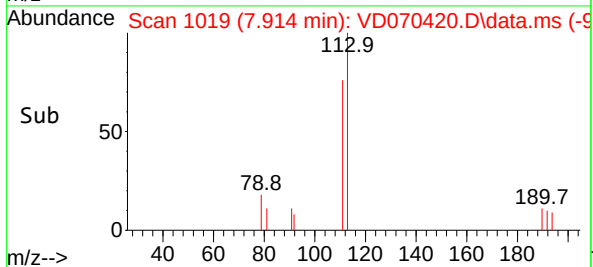
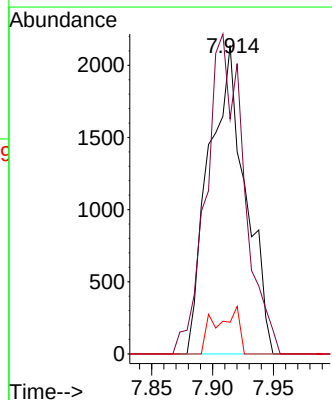
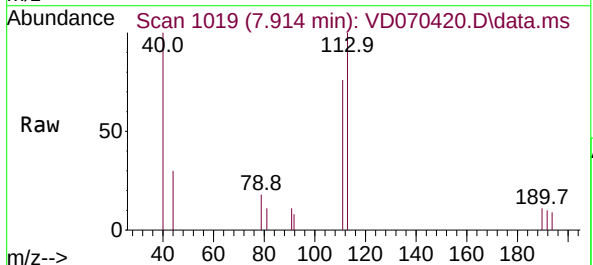
Instrument :
MSVOA_D
ClientSampled :
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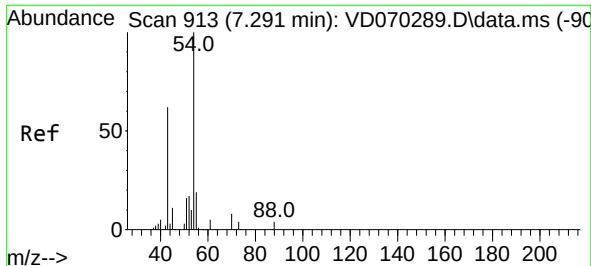
Tgt Ion:	114	Resp:	16101
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	43.4
88	18.2	0.0	33.4



#35
Dibromofluoromethane
Concen: 38.967 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion:	113	Resp:	4466
Ion Ratio	Lower	Upper	
113	100		
111	106.4	81.4	122.2
192	9.7	13.0	19.6#

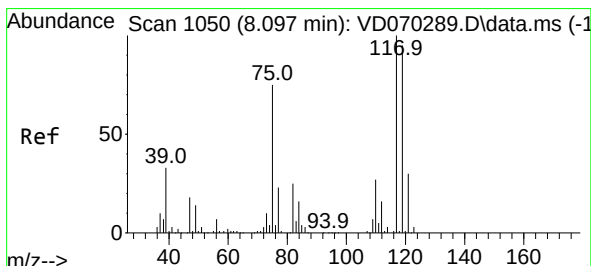
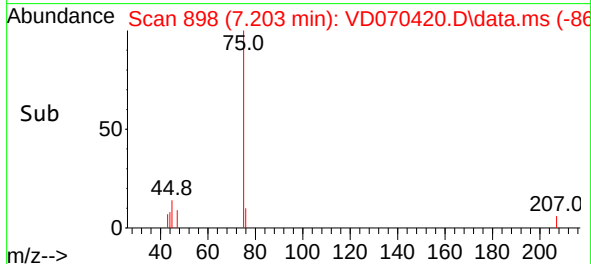
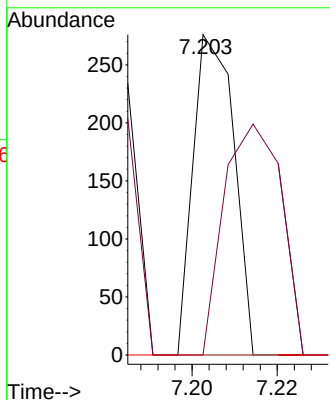
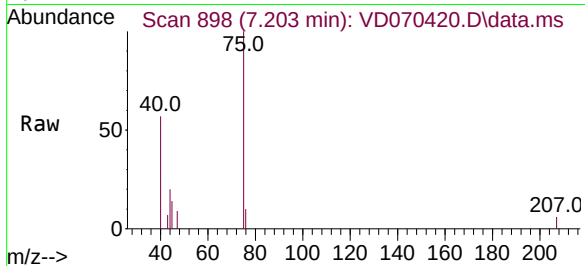




#37
Ethyl Acetate
Concen: 2.844 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.088 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

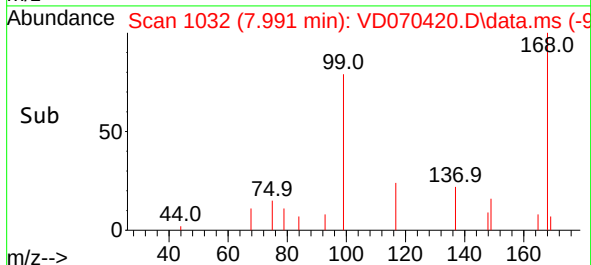
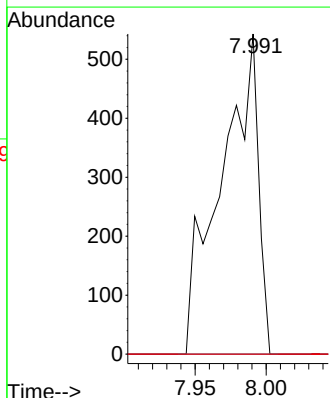
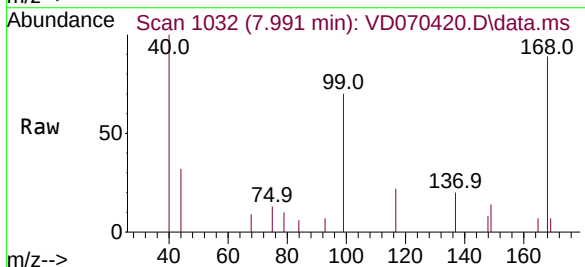
Instrument :
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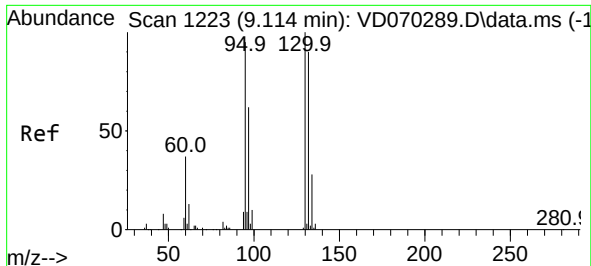
Tgt Ion:	43	Resp:	183
Ion	Ratio	Lower	Upper
43	100		
61	101.6	13.0	19.6#
70	0.0	9.8	14.6#



#38
Carbon Tetrachloride
Concen: 5.828 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion:	117	Resp:	992
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	23.8	35.6#

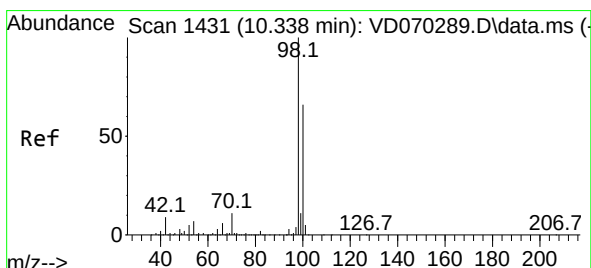
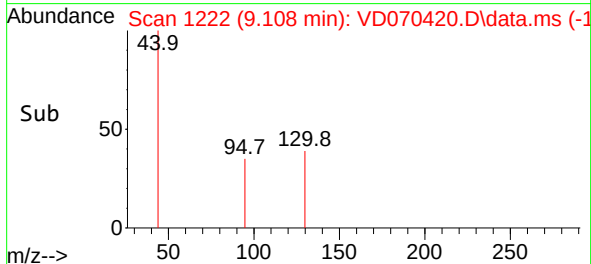
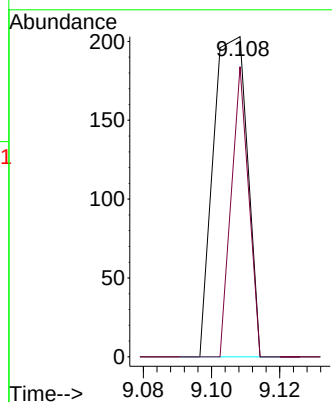
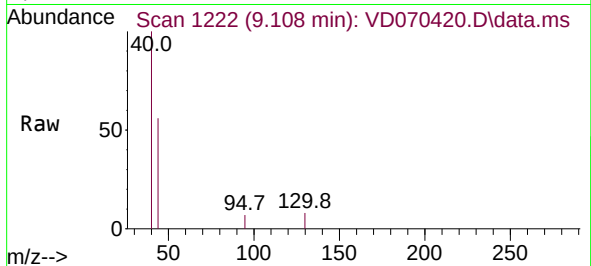




#44
Trichloroethene
Concen: 1.170 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

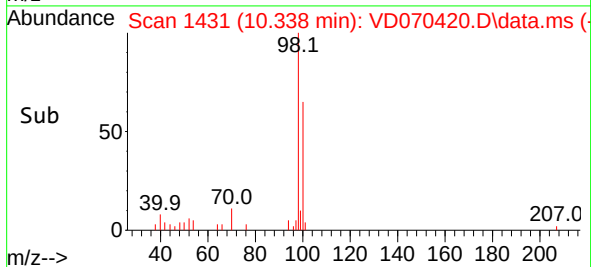
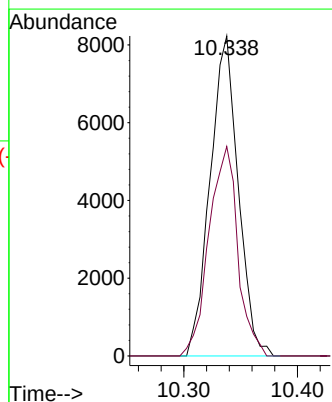
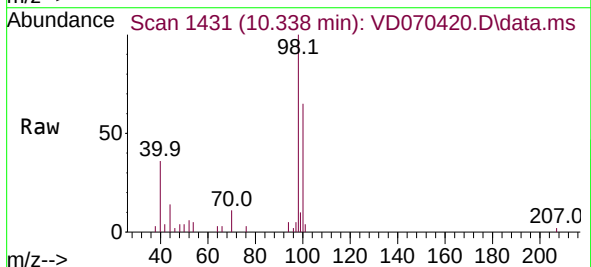
Instrument :
MSVOA_D
ClientSampled :
TP-BRE

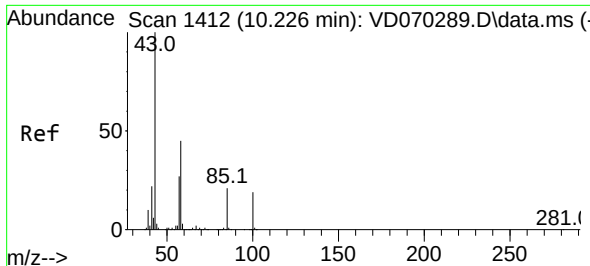
Tgt Ion:130 Resp: 141
Ion Ratio Lower Upper
130 100
95 90.6 0.0 190.0



#50
Toluene-d8
Concen: 33.983 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 98 Resp: 14141
Ion Ratio Lower Upper
98 100
100 67.1 52.0 78.0

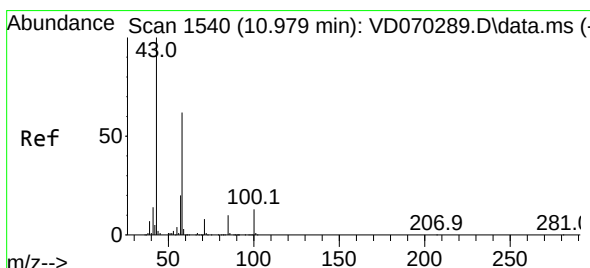
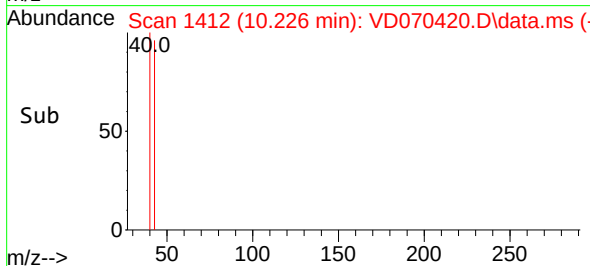
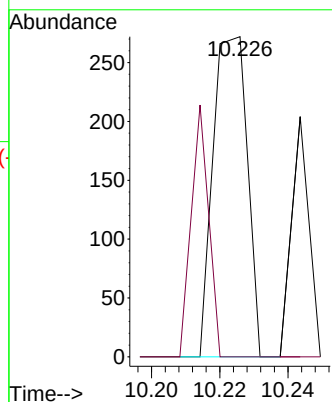
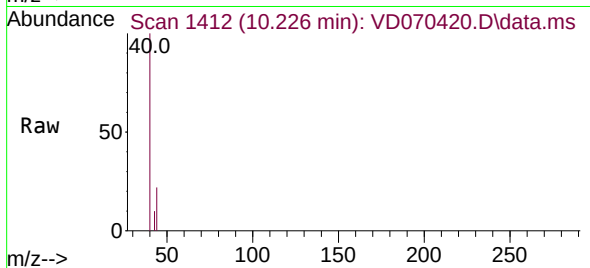




#51
4-Methyl-2-Pentanone
Concen: 3.086 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

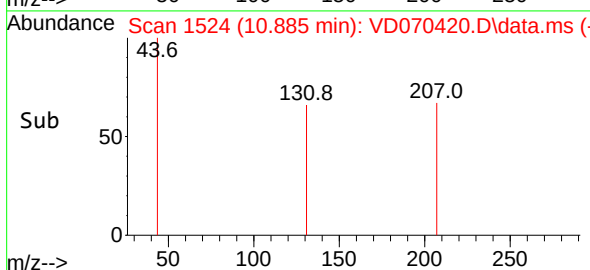
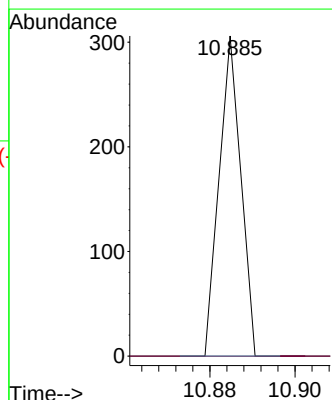
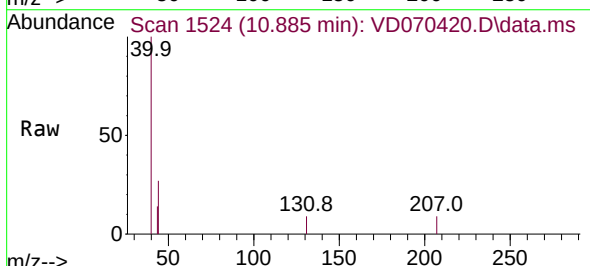
Instrument :
MSVOA_D
ClientSampled :
TP-BRE

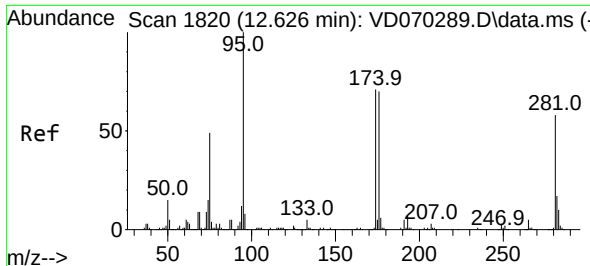
Tgt Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
58 40.0 35.4 53.2



#59
2-Hexanone
Concen: 2.629 ug/l
RT: 10.885 min Scan# 1524
Delta R.T. -0.094 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
58 0.0 30.6 91.6#

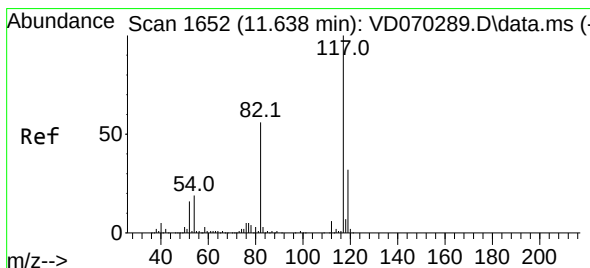
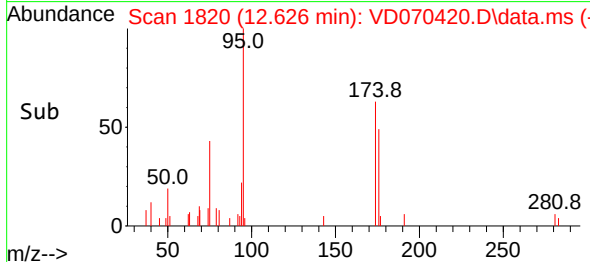
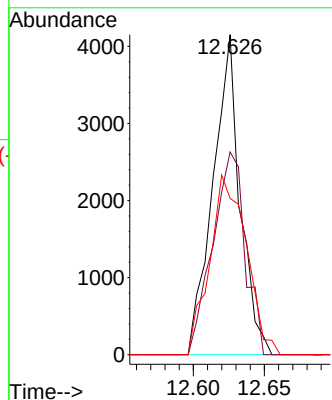
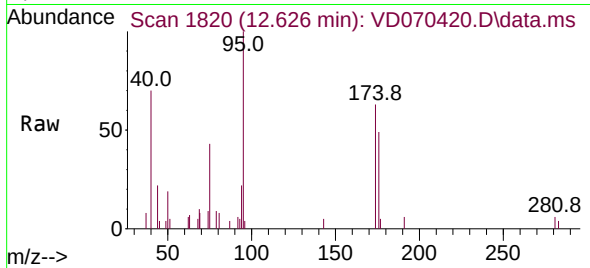




#62
4-Bromofluorobenzene
Concen: 37.991 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

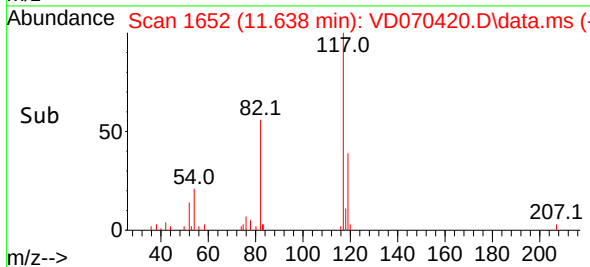
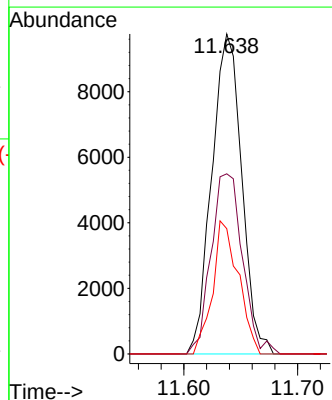
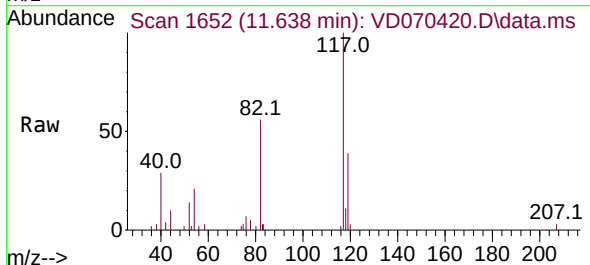
Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

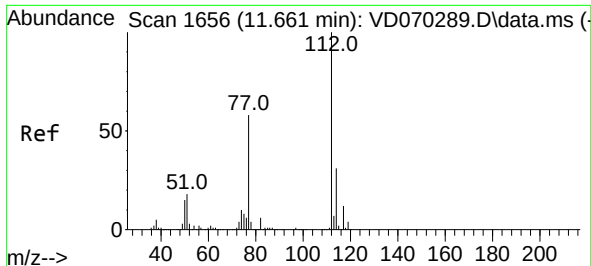
Tgt Ion:	95	Resp:	5525
Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	140.6
176	75.5	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion:	117	Resp:	17864
Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.4
119	39.1	25.2	37.8

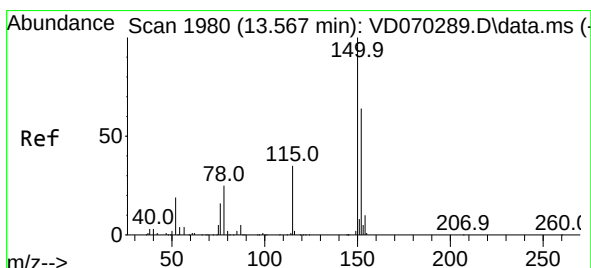
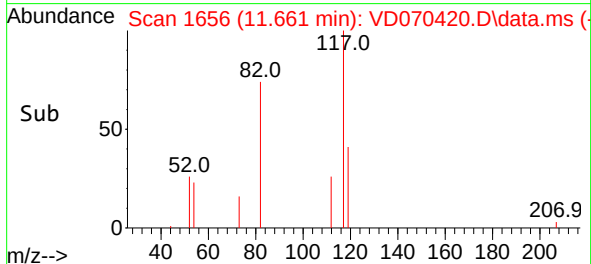
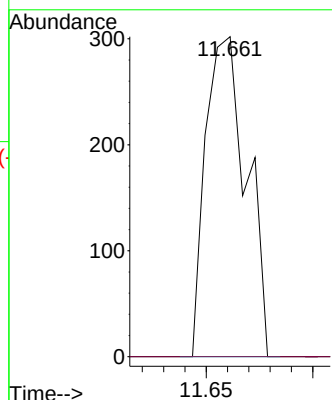
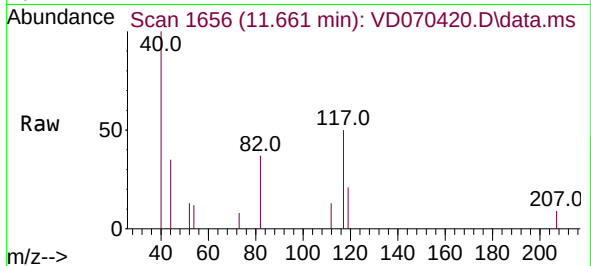




#65
Chlorobenzene
Concen: 1.089 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

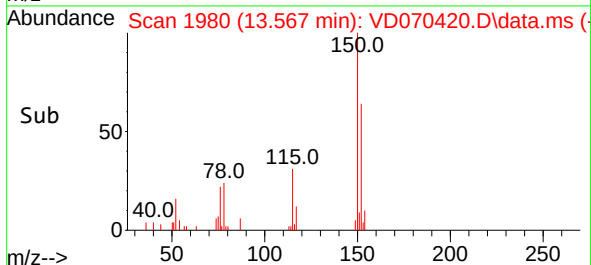
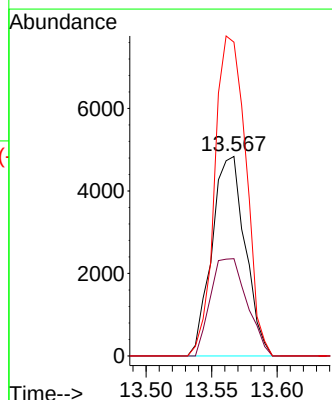
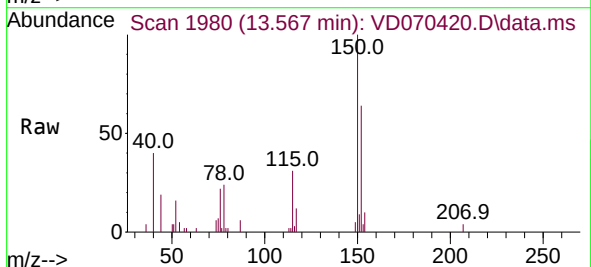
Instrument :
MSVOA_D
ClientSampled :
TP-BRE

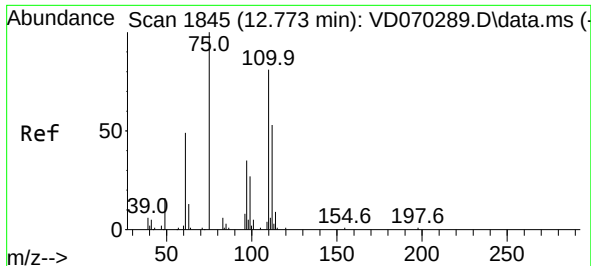
Tgt Ion:112 Resp: 403
Ion Ratio Lower Upper
112 100
114 0.0 24.7 37.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion:152 Resp: 8532
Ion Ratio Lower Upper
152 100
115 53.3 32.1 96.3
150 150.3 0.0 350.6

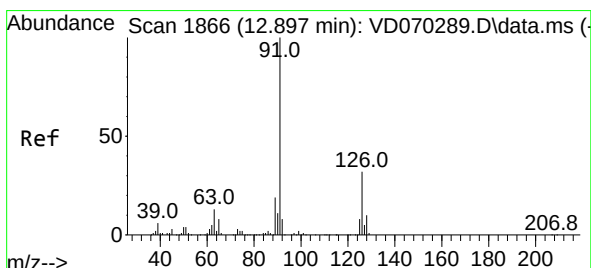
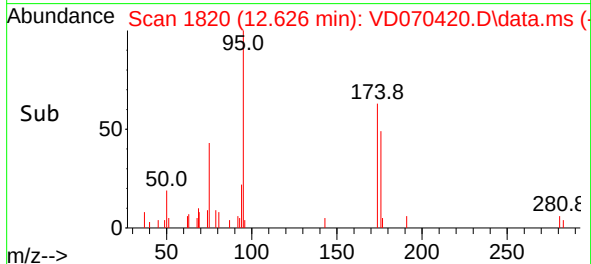
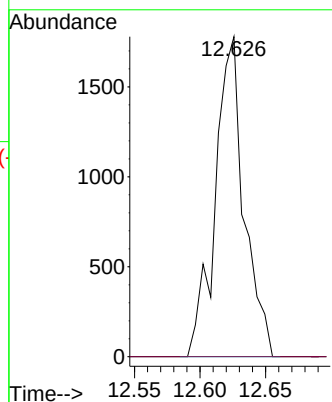
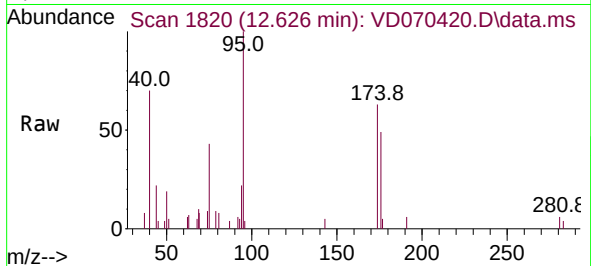




#76
1,2,3-Trichloropropane
Concen: 31.448 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

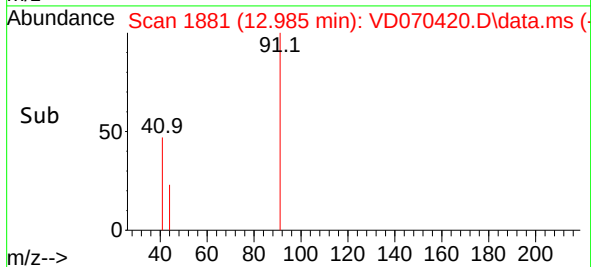
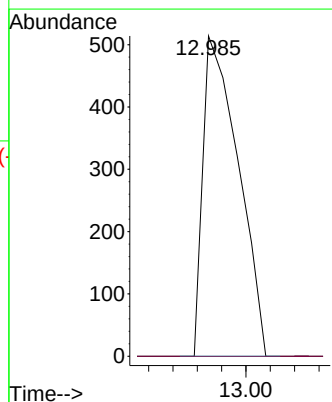
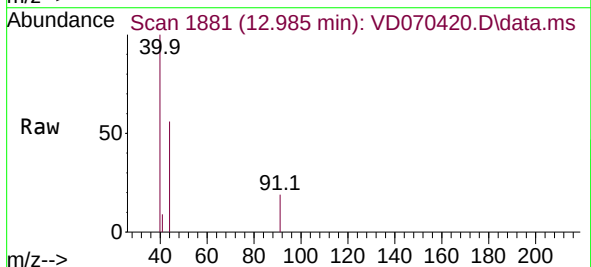
Instrument :
MSVOA_D
ClientSampleId :
TP-BRE

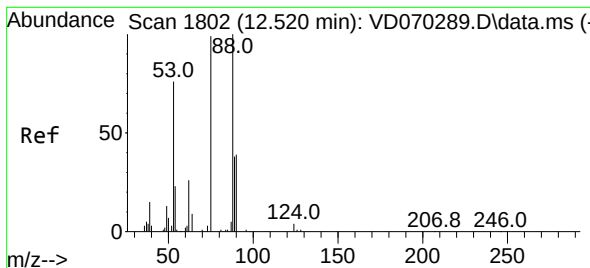
Tgt Ion: 75 Resp: 2714
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#79
2-Chlorotoluene
Concen: 1.142 ug/l
RT: 12.985 min Scan# 1881
Delta R.T. 0.088 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 91 Resp: 517
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 78.795 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.106 min

Lab File: VD070420.D

Acq: 22 Sep 2021 12:08

Tgt Ion: 75 Resp: 2714

Ion Ratio Lower Upper

75 100

53 0.0 64.2 96.2#

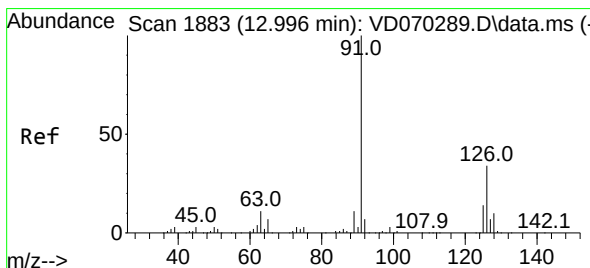
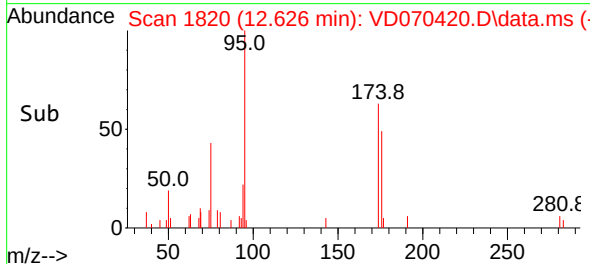
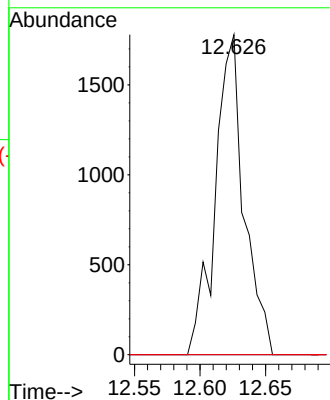
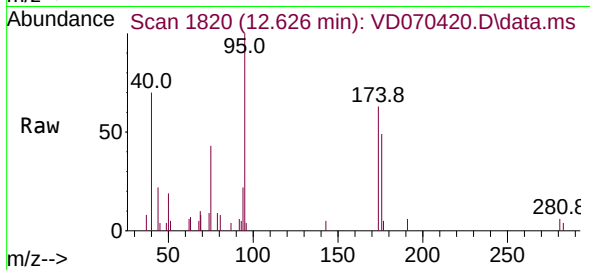
89 0.0 35.6 53.4#

Instrument :

MSVOA_D

ClientSampleId :

TP-BRE



#82

4-Chlorotoluene

Concen: 1.083 ug/l

RT: 12.985 min Scan# 1881

Delta R.T. -0.012 min

Lab File: VD070420.D

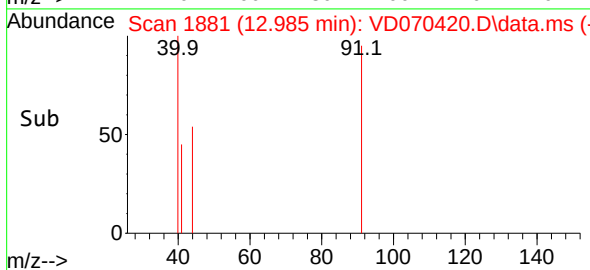
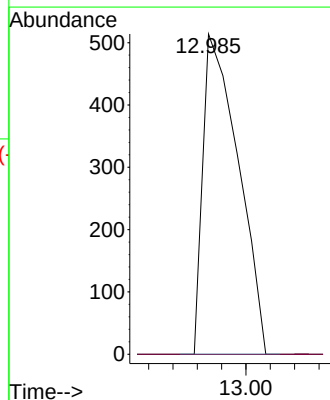
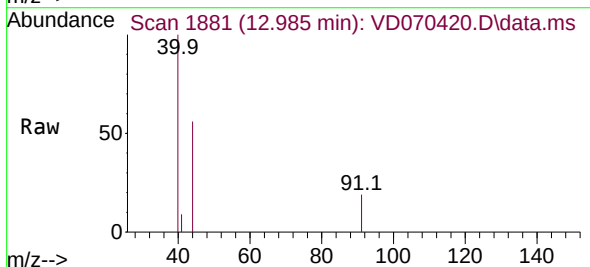
Acq: 22 Sep 2021 12:08

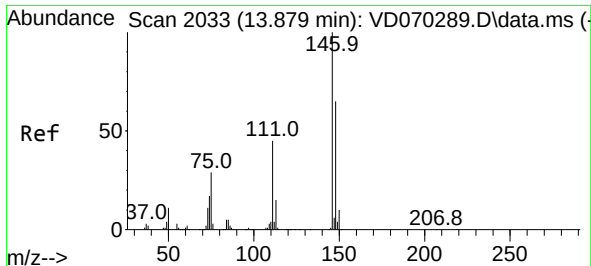
Tgt Ion: 91 Resp: 517

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.5#

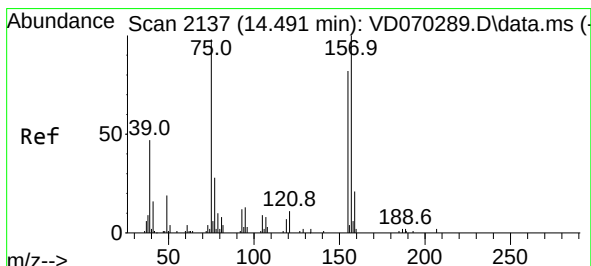
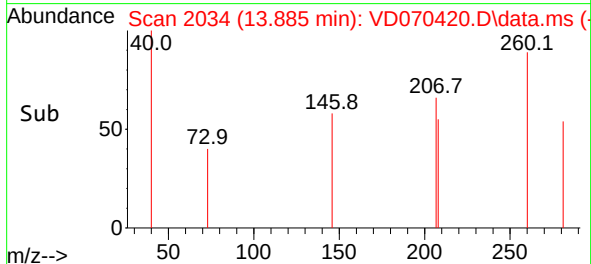
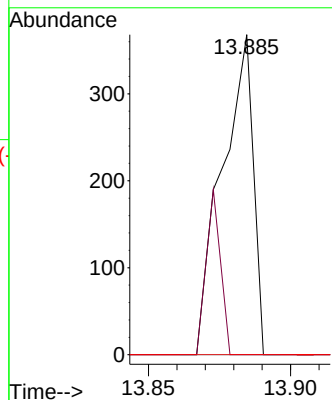
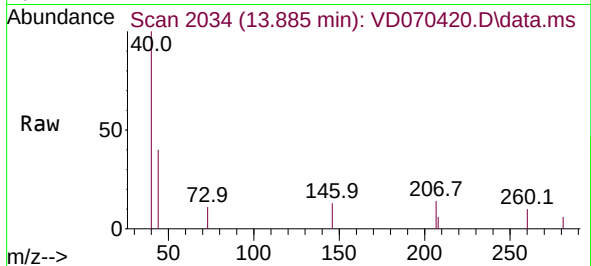




#91
1,2-Dichlorobenzene
Concen: 1.104 ug/l
RT: 13.885 min Scan# 2034
Delta R.T. 0.006 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

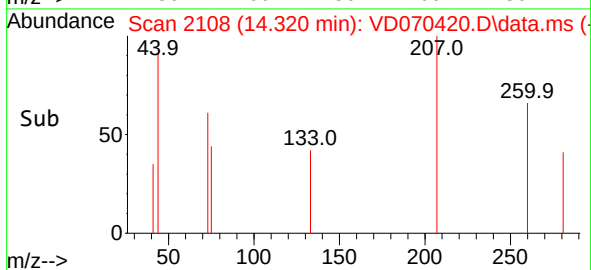
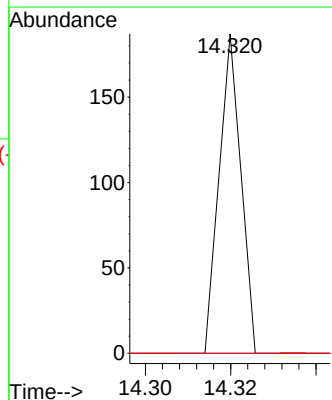
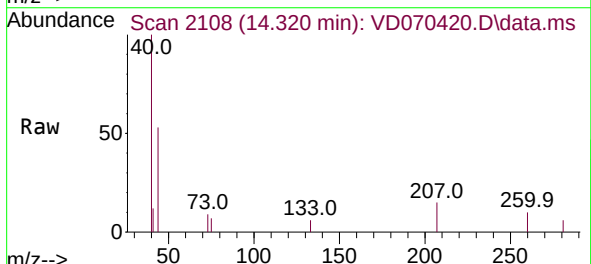
Instrument :
MSVOA_D
ClientSampled :
TP-BRE

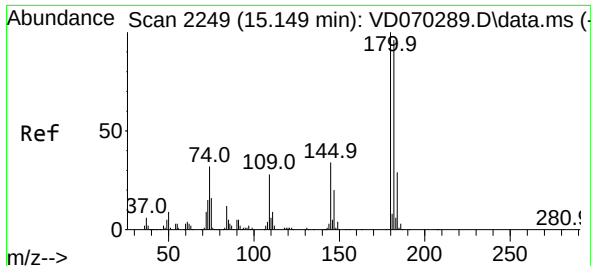
Tgt Ion:146 Resp: 280
Ion Ratio Lower Upper
146 100
111 23.9 21.9 65.7
148 0.0 31.7 95.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.439 ug/l
RT: 14.320 min Scan# 2108
Delta R.T. -0.171 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.9#
157 0.0 48.9 146.6#

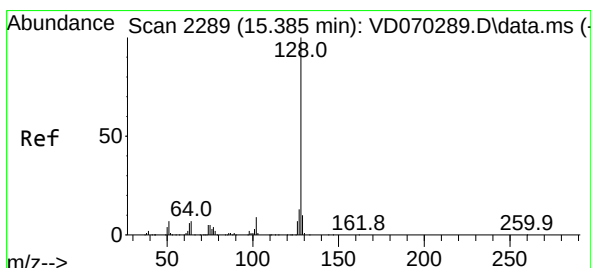
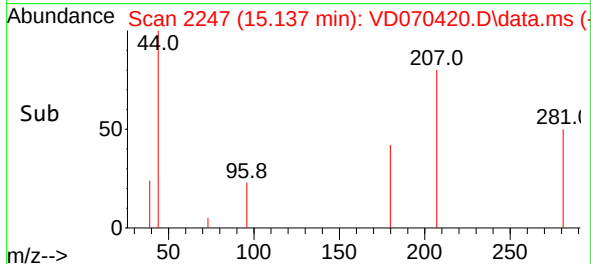
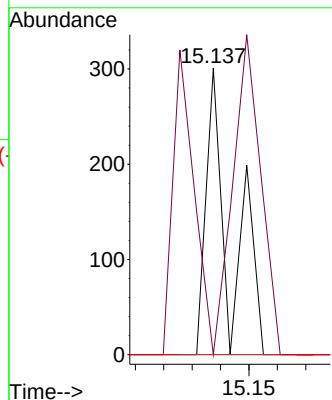
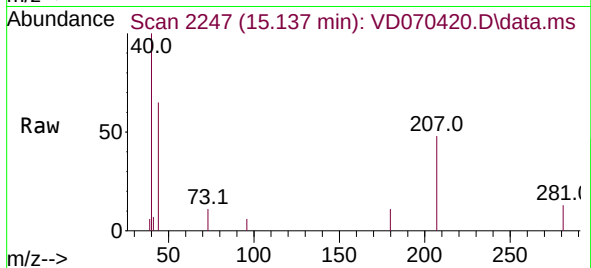




#93
1,2,4-Trichlorobenzene
Concen: 1.293 ug/l
RT: 15.137 min Scan# 2247
Delta R.T. -0.012 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Instrument :
MSVOA_D
ClientSampled :
TP-BRE

Tgt Ion:180 Resp: 177
Ion Ratio Lower Upper
180 100
182 129.9 48.1 144.4
145 0.0 16.8 50.4#



#95
Naphthalene
Concen: 2.126 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070420.D
Acq: 22 Sep 2021 12:08

Tgt Ion:128 Resp: 529
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

