

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070456.D
 Acq On : 24 Sep 2021 15:52
 Operator : VA/SY
 Sample : M3913-01RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:08:58 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

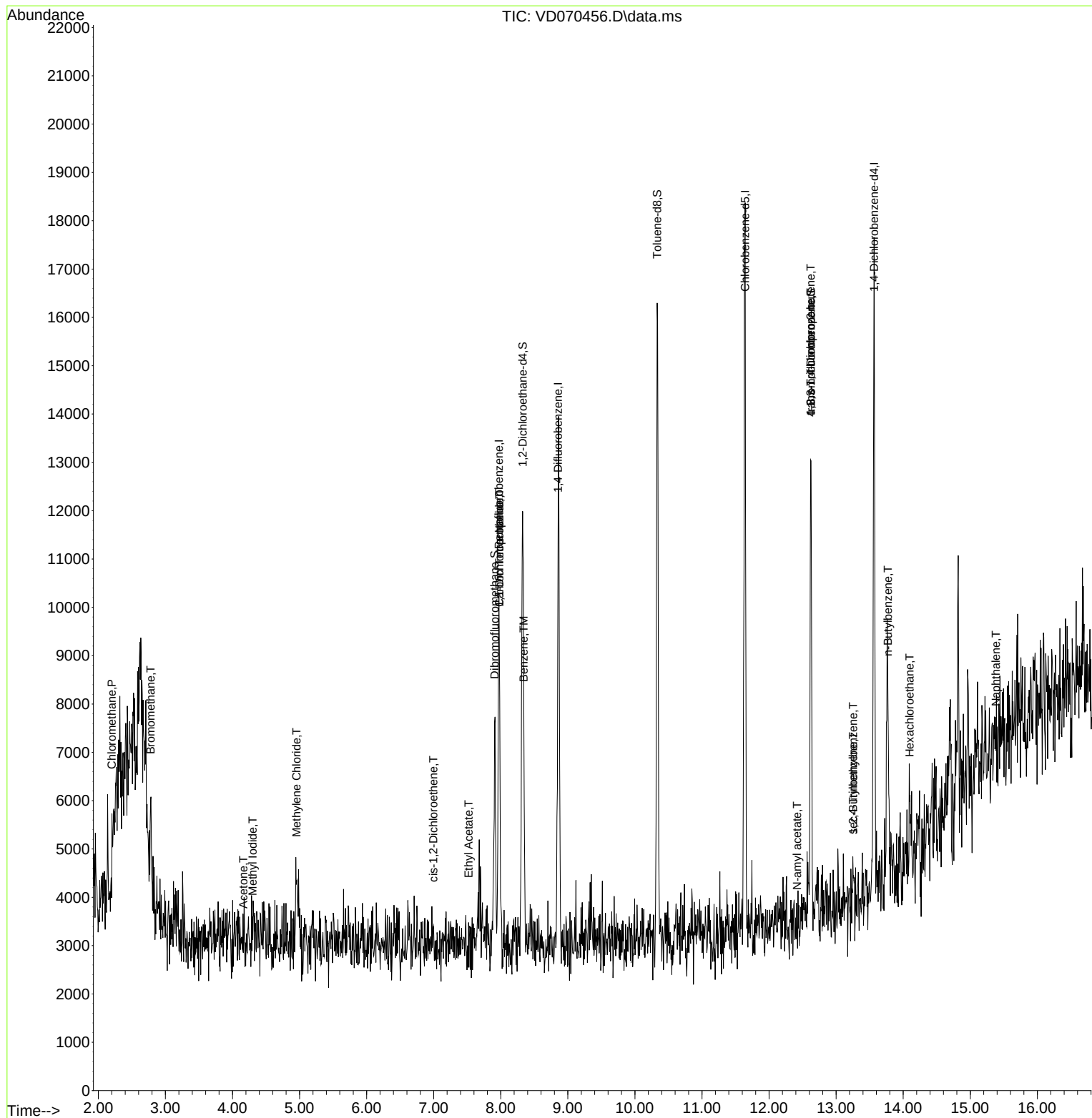
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	5229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	10027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	10051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7332	109.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	218.400%#
35) Dibromofluoromethane	7.908	113	3284	46.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.020%
50) Toluene-d8	10.332	98	9452	36.474	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.940%
62) 4-Bromofluorobenzene	12.626	95	4033	44.531	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	438	2.335	ug/l #	42
5) Bromomethane	2.779	94	1638	30.788	ug/l #	73
10) Methyl Iodide	4.303	142	251	4.828	ug/l #	80
16) Acetone	4.162	43	162	13.514	ug/l #	36
20) Methylene Chloride	4.956	84	1264	11.299	ug/l #	78
27) cis-1,2-Dichloroethene	6.997	96	125	1.606	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	132	1.232	ug/l #	41
37) Ethyl Acetate	7.520	43	63	1.572	ug/l #	65
38) Carbon Tetrachloride	7.979	117	259	2.443	ug/l #	12
40) Benzene	8.344	78	454	1.445	ug/l #	53
74) N-amyl acetate	12.420	43	61	1.027	ug/l #	37
76) 1,2,3-Trichloropropane	12.620	75	1779	45.259	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	1779	113.400	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.255	105	507	2.189	ug/l #	50
85) sec-Butylbenzene	13.255	105	507	1.691	ug/l #	57
89) n-Butylbenzene	13.773	91	575	2.394	ug/l #	33
90) Hexachloroethane	14.096	117	59	1.070	ug/l #	18
95) Naphthalene	15.384	128	569	5.020	ug/l #	69

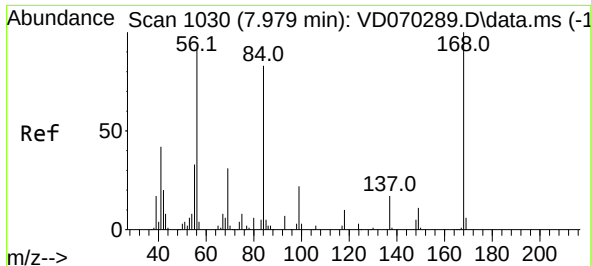
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Sep 25 03:08:58 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

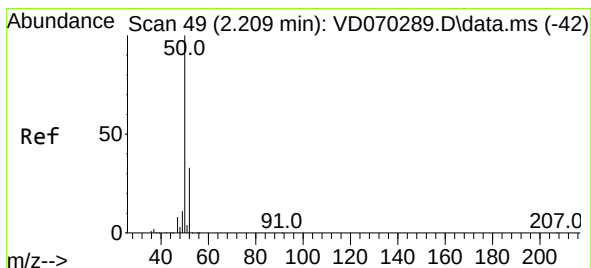
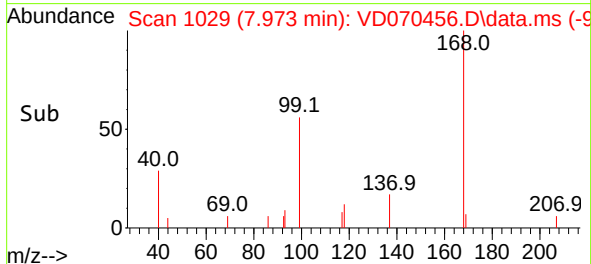
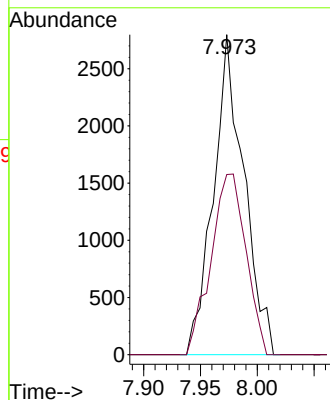
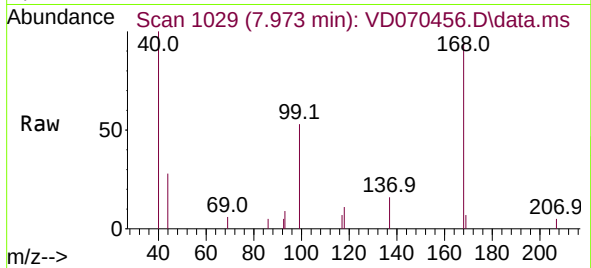




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

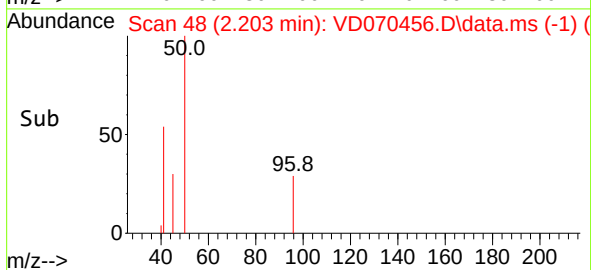
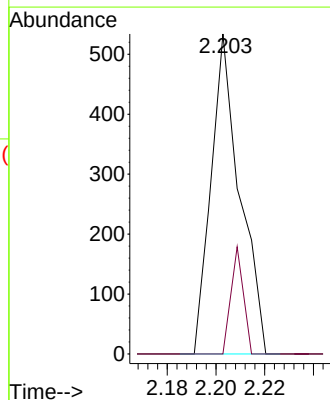
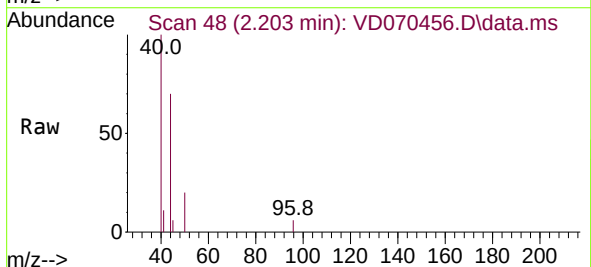
Instrument :
MSVOA_D
ClientSampled :

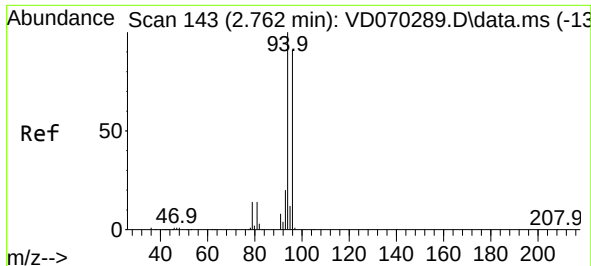
Tgt Ion:168 Resp: 5229
Ion Ratio Lower Upper
168 100
99 56.3 50.8 76.2



#3
Chloromethane
Concen: 2.335 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

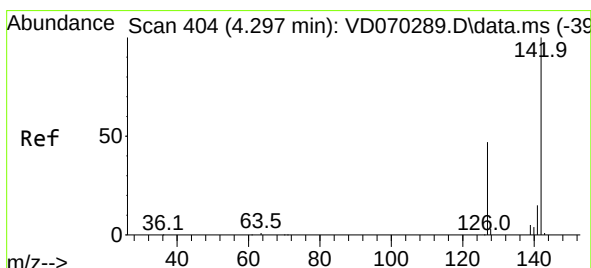
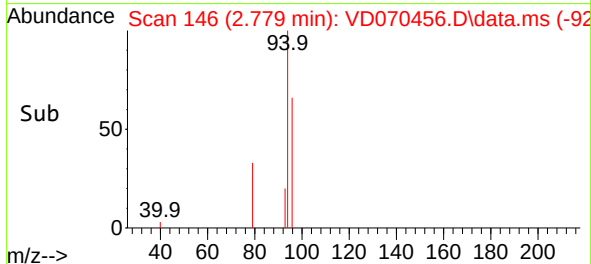
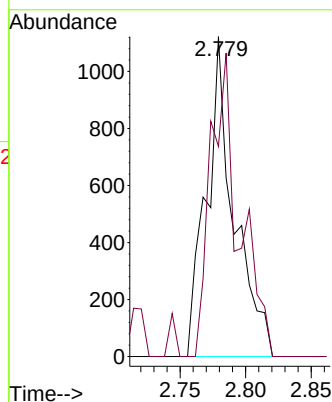
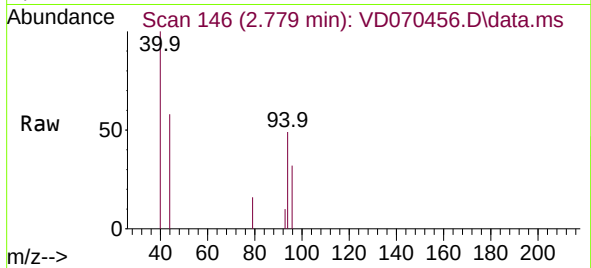




#5
Bromomethane
Concen: 30.788 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

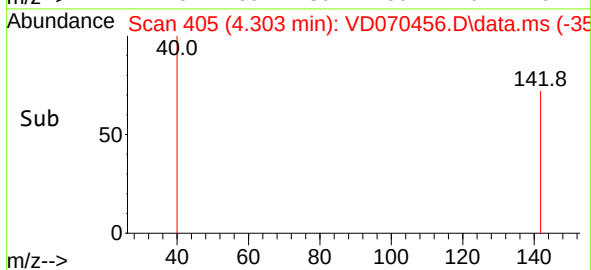
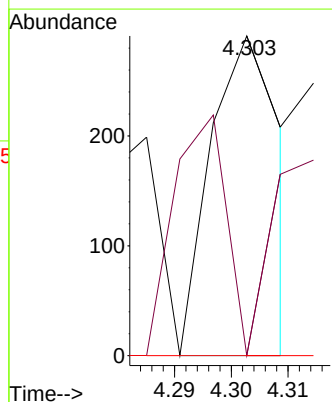
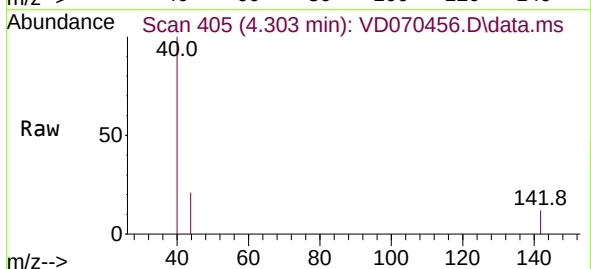
Instrument :
MSVOA_D
ClientSampled :

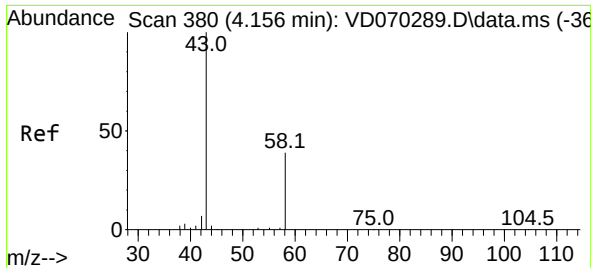
Tgt Ion: 94 Resp: 1638
Ion Ratio Lower Upper
94 100
96 65.7 73.0 109.6#



#10
Methyl Iodide
Concen: 4.828 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion: 142 Resp: 251
Ion Ratio Lower Upper
142 100
127 55.8 36.9 55.3#
141 0.0 11.8 17.6#

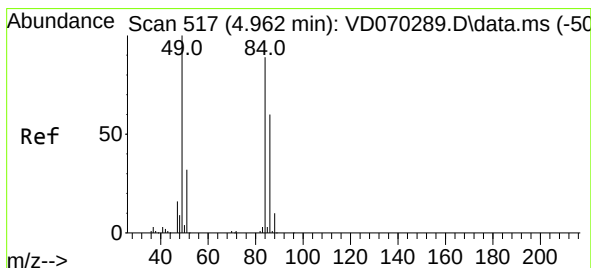
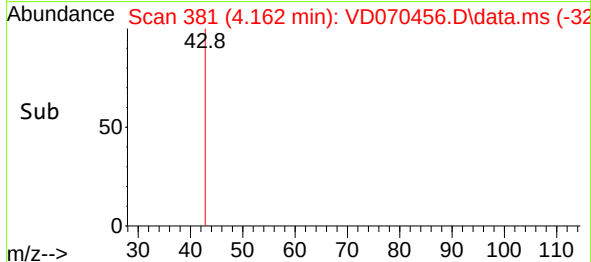
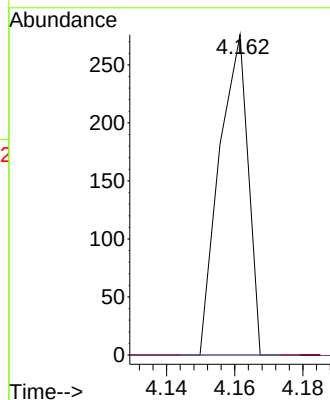
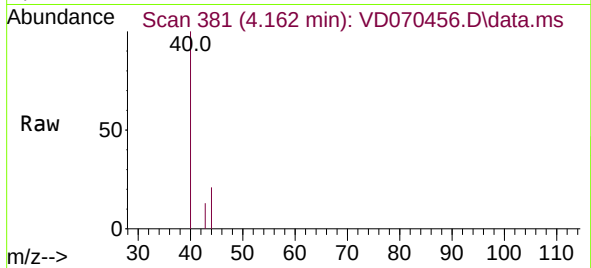




#16
Acetone
Concen: 13.514 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

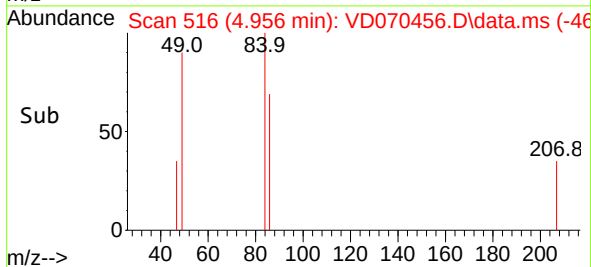
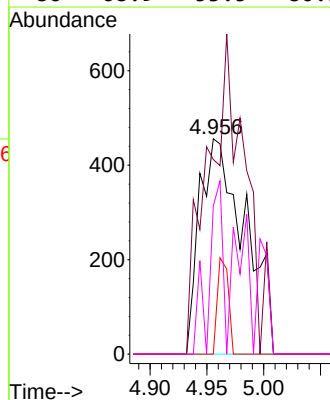
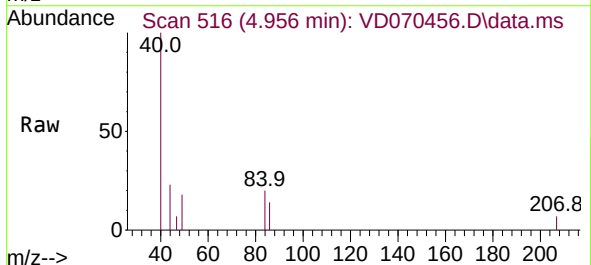
Instrument :
MSVOA_D
ClientSampled :

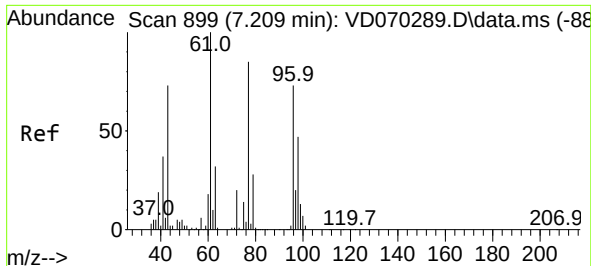
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#20
Methylene Chloride
Concen: 11.299 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

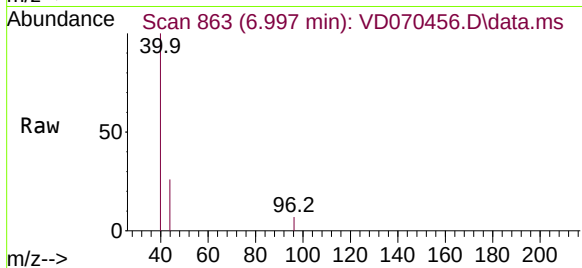
Tgt Ion: 84 Resp: 1264
Ion Ratio Lower Upper
84 100
49 90.4 89.6 134.4
51 0.0 28.6 43.0#
86 68.9 53.5 80.3



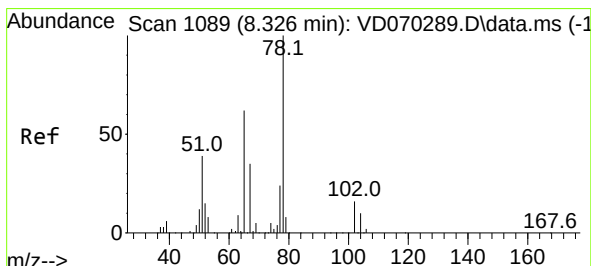
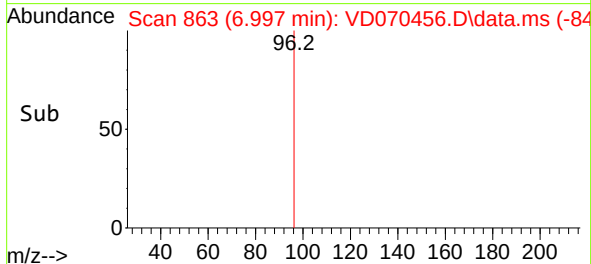
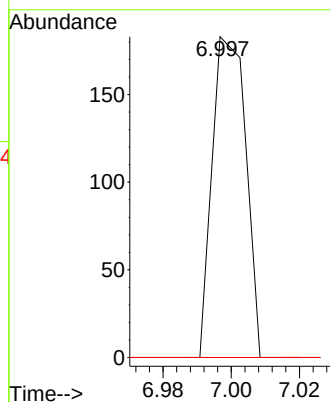


#27
 cis-1,2-Dichloroethene
 Concen: 1.606 ug/l
 RT: 6.997 min Scan# 863
 Delta R.T. -0.212 min
 Lab File: VD070456.D
 Acq: 24 Sep 2021 15:52

Instrument :
 MSVOA_D
 ClientSampleId :

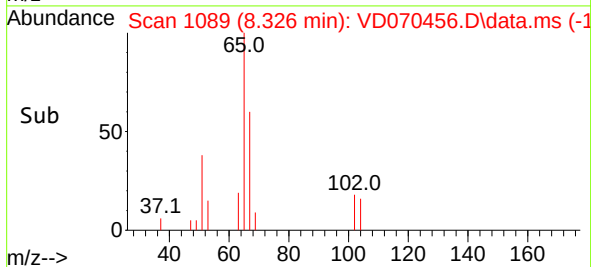
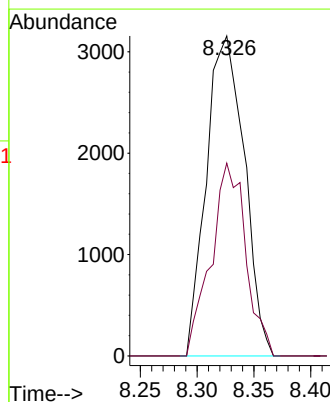
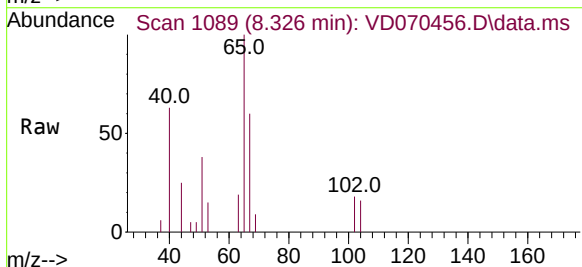


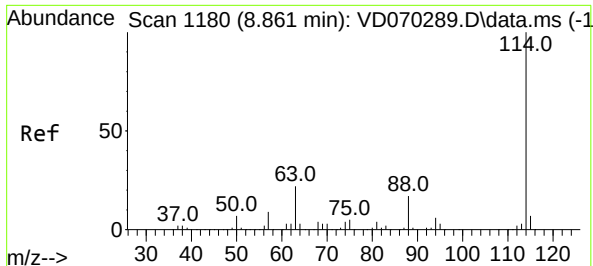
Tgt Ion: 96 Resp: 125
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 277.4
 98 0.0 0.0 130.0



#33
 1,2-Dichloroethane-d4
 Concen: 109.202 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070456.D
 Acq: 24 Sep 2021 15:52

Tgt Ion: 65 Resp: 7332
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.4

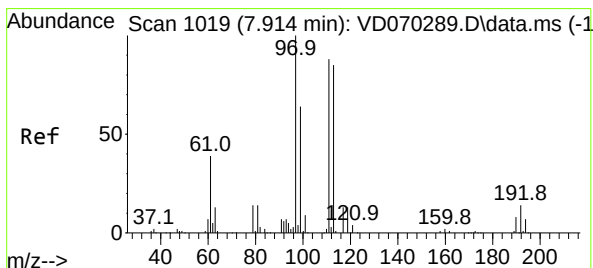
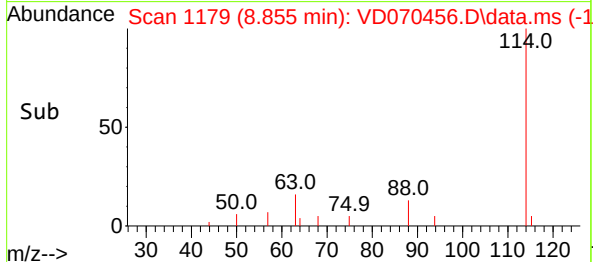
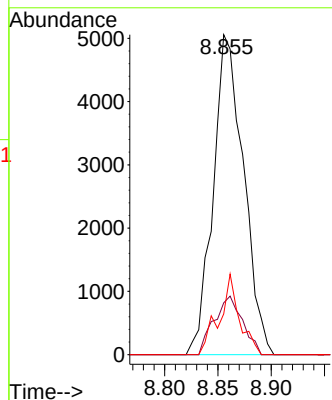
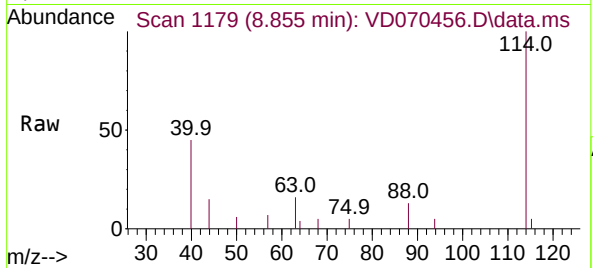




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

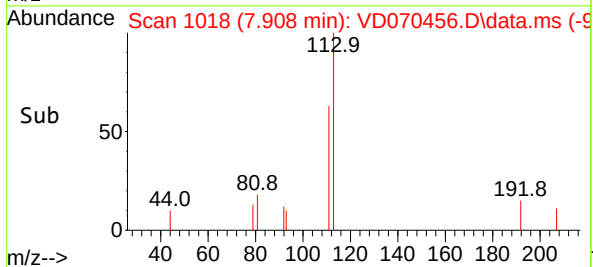
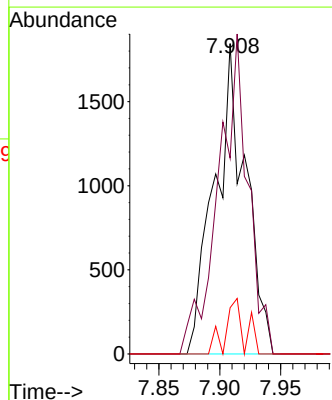
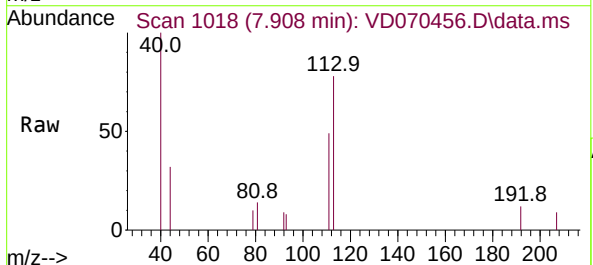
Instrument :
MSVOA_D
ClientSampleId :

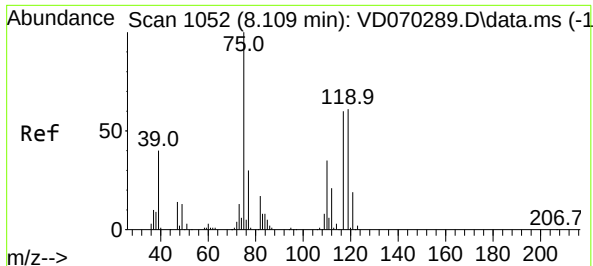
Tgt Ion:	114	Resp:	10027
Ion Ratio	Lower	Upper	
114	100		
63	16.2	0.0	43.4
88	12.7	0.0	33.4



#35
Dibromofluoromethane
Concen: 46.011 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion:	113	Resp:	3284
Ion Ratio	Lower	Upper	
113	100		
111	97.4	81.4	122.2
192	10.9	13.0	19.6#

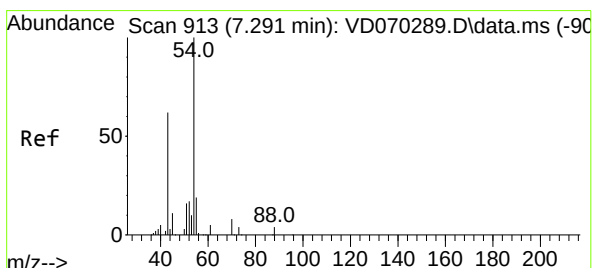
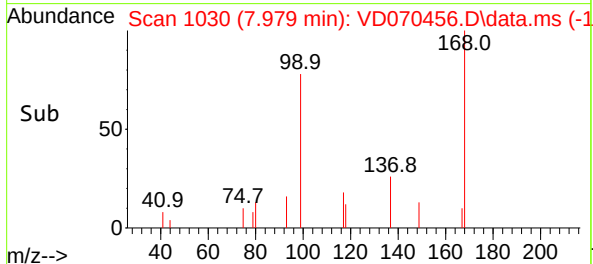
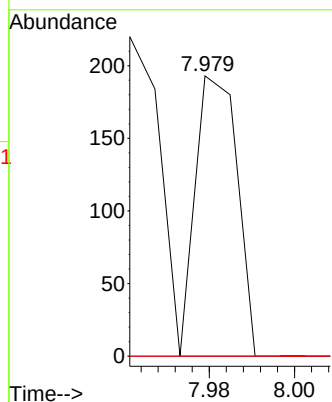
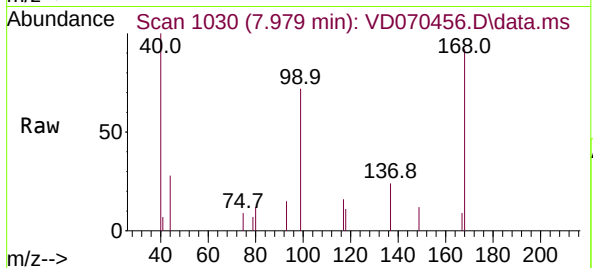




#36
1,1-Dichloropropene
Concen: 1.232 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

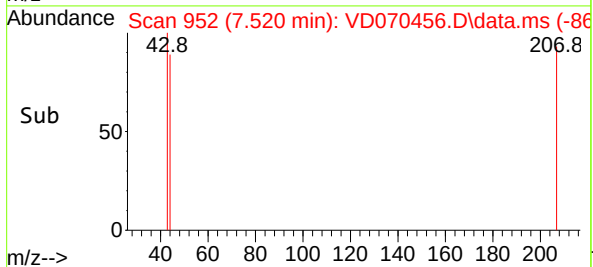
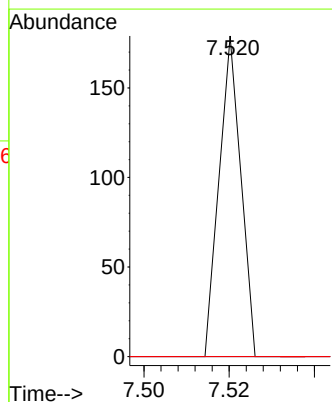
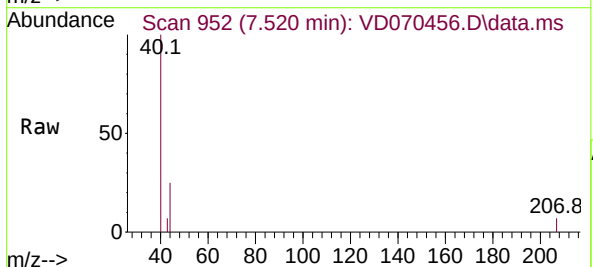
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MSVOA_D
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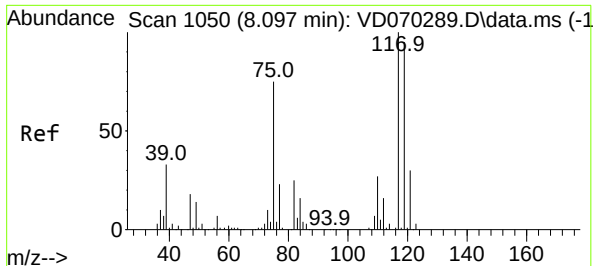
Tgt Ion: 75 Resp: 132
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.7#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.572 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.229 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 2.443 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

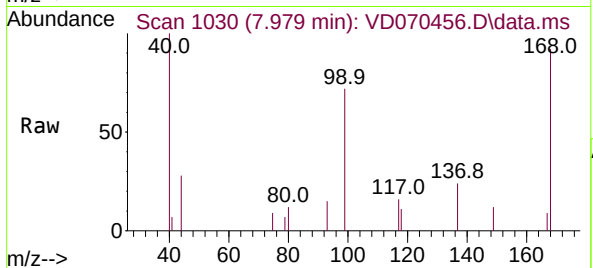
Lab File: VD070456.D

Acq: 24 Sep 2021 15:52

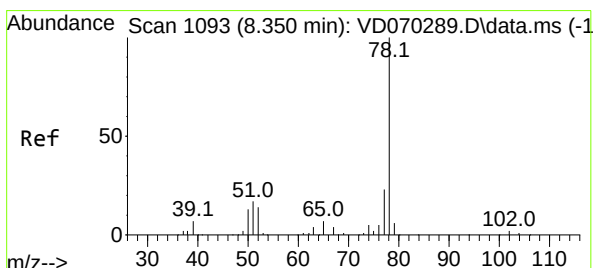
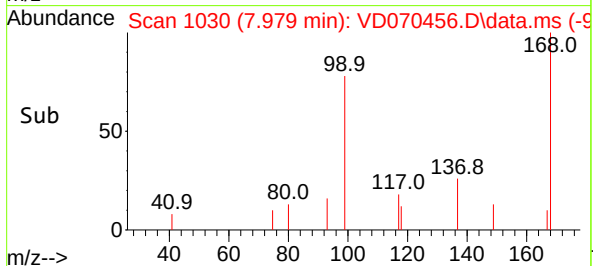
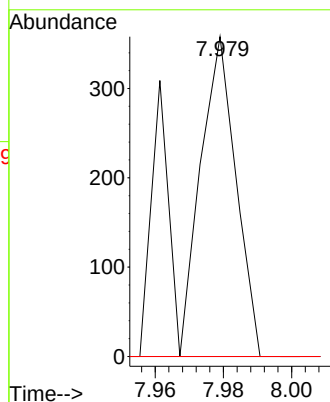
Instrument :

MSVOA_D

ClientSampled :



Tgt Ion:	117	Resp:	259
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	23.8	35.6#



#40

Benzene

Concen: 1.445 ug/l

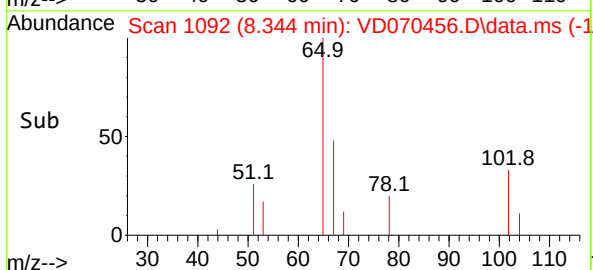
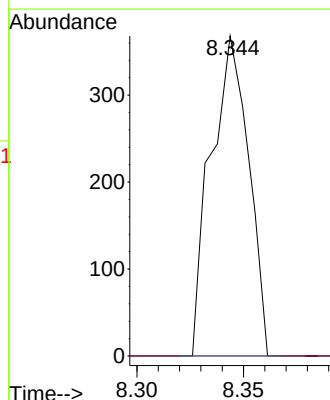
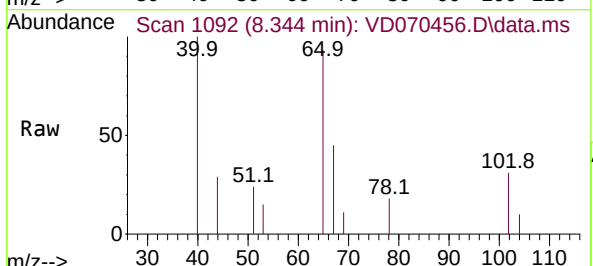
RT: 8.344 min Scan# 1092

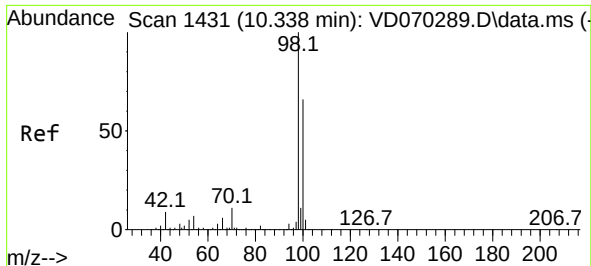
Delta R.T. -0.006 min

Lab File: VD070456.D

Acq: 24 Sep 2021 15:52

Tgt Ion:	78	Resp:	454
Ion	Ratio	Lower	Upper
78	100		
77	0.0	18.4	27.6#

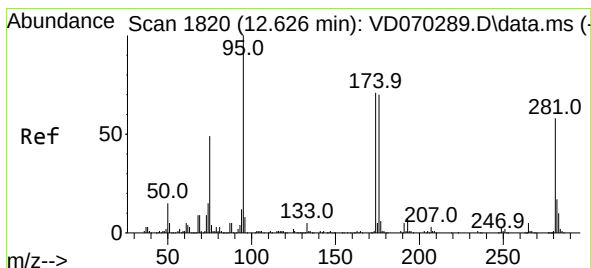
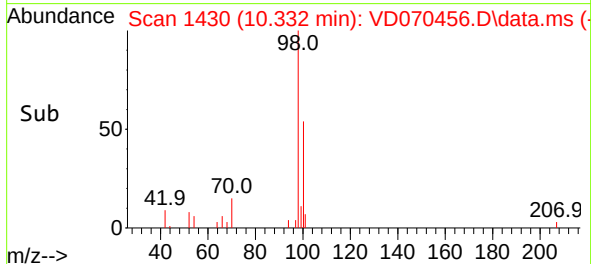
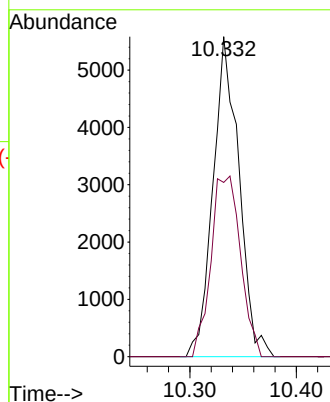
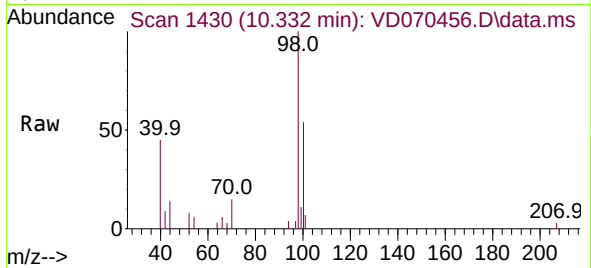




#50
Toluene-d8
Concen: 36.474 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

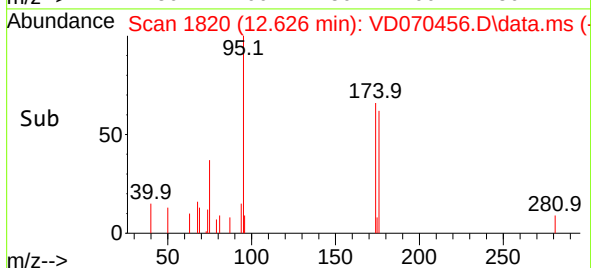
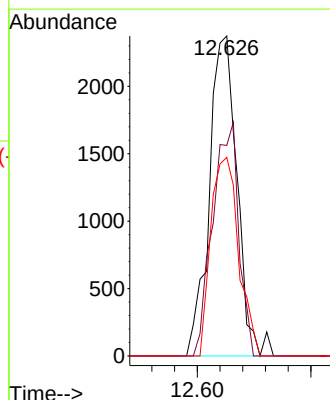
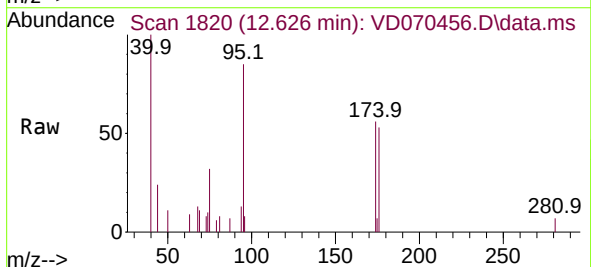
Instrument :
MSVOA_D
ClientSampled :

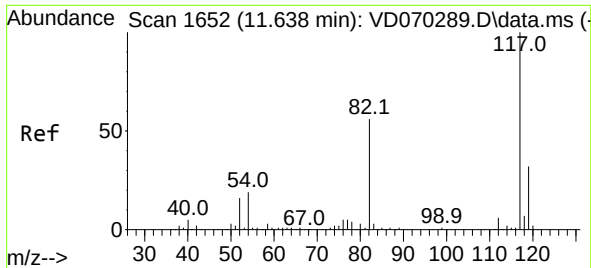
Tgt Ion: 98 Resp: 9452
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.531 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion: 95 Resp: 4033
Ion Ratio Lower Upper
95 100
174 68.3 0.0 140.6
176 62.1 0.0 137.4

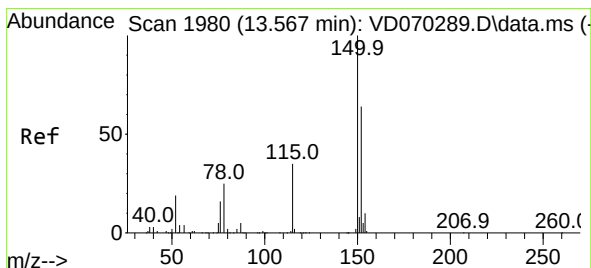
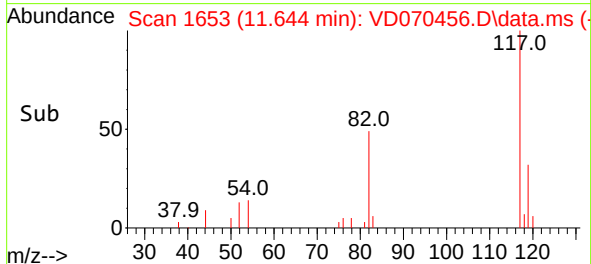
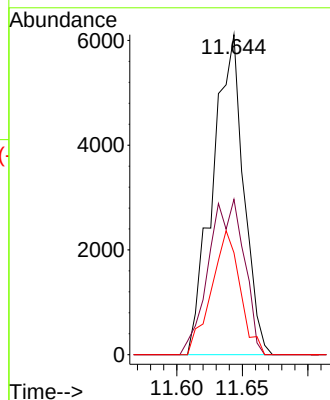
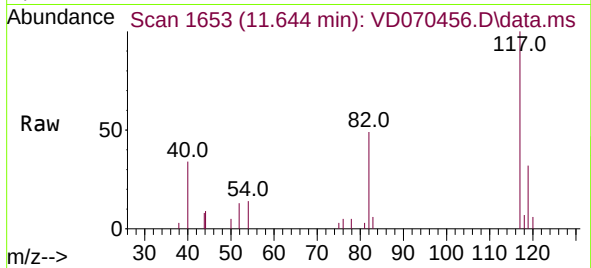




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

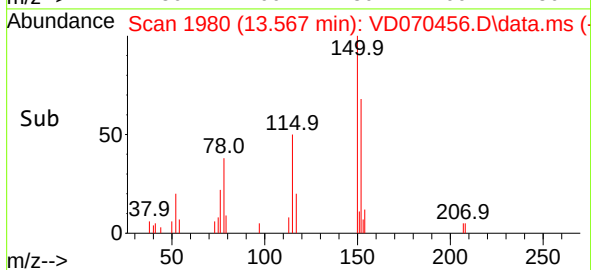
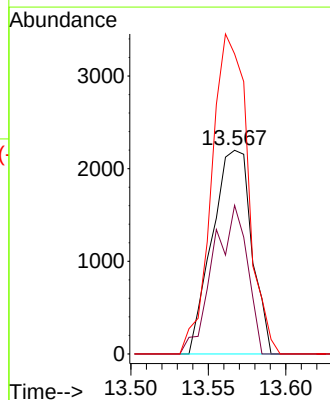
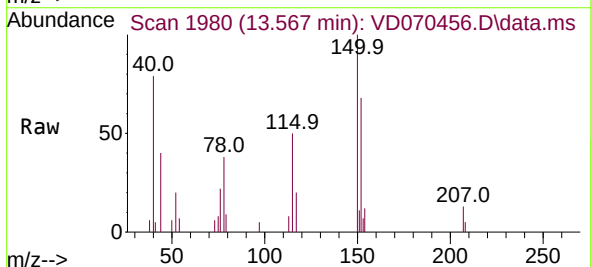
Instrument :
MSVOA_D
ClientSampled :

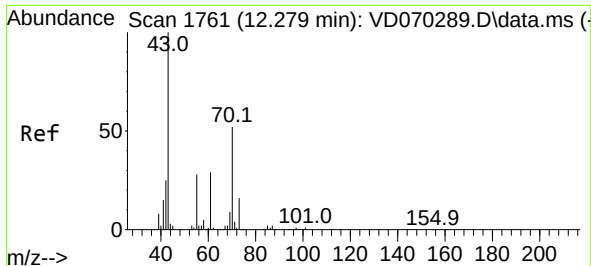
Tgt Ion:117 Resp: 10051
Ion Ratio Lower Upper
117 100
82 48.6 45.0 67.4
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

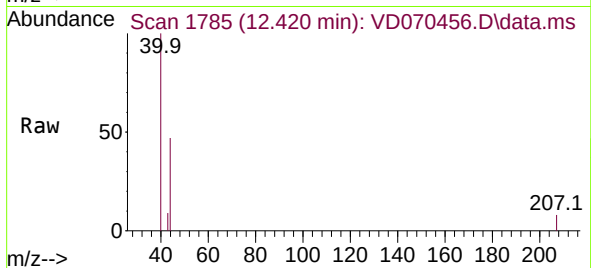
Tgt Ion:152 Resp: 3886
Ion Ratio Lower Upper
152 100
115 63.2 32.1 96.3
150 144.4 0.0 350.6



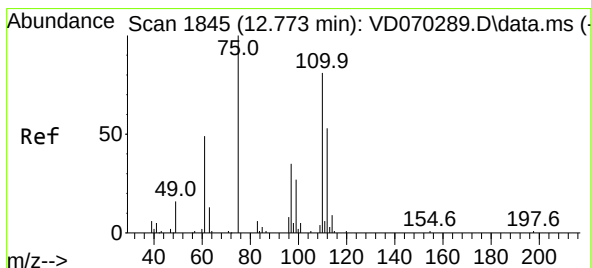
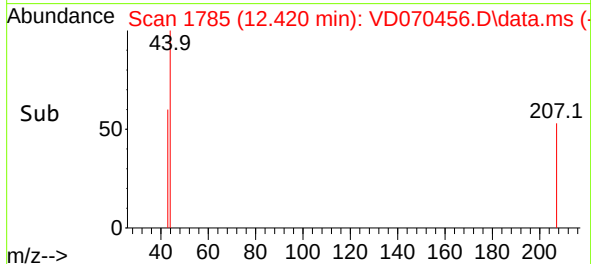
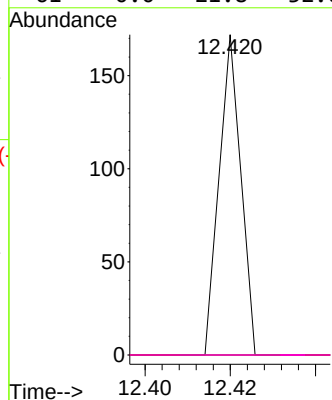


#74
N-amy1 acetate
Concen: 1.027 ug/l
RT: 12.420 min Scan# 1785
Delta R.T. 0.141 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Instrument :
MSVOA_D
ClientSampled :

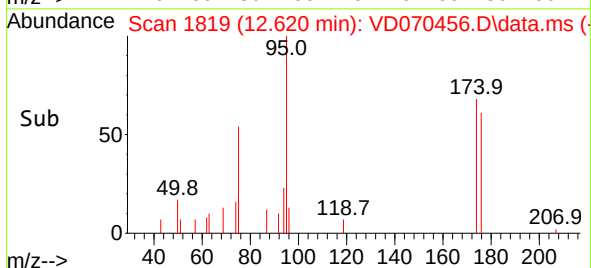
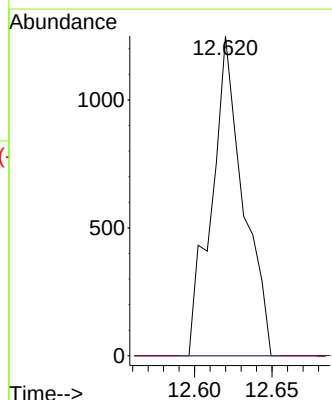
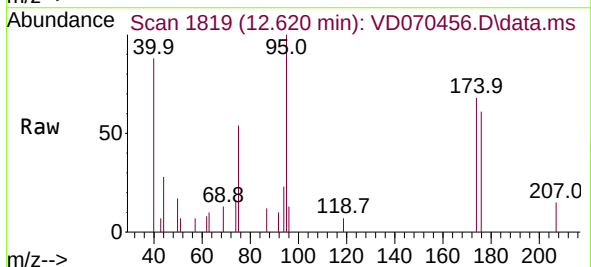


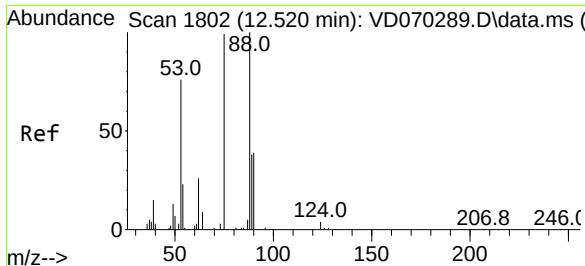
Tgt Ion: 43	Resp: 61
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	22.8 34.2#
61 0.0	21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 45.259 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

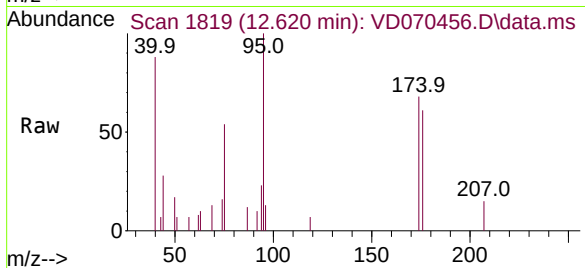
Tgt Ion: 75	Resp: 1779
Ion Ratio	Lower Upper
75 100	
77 0.0	174.9 524.7#



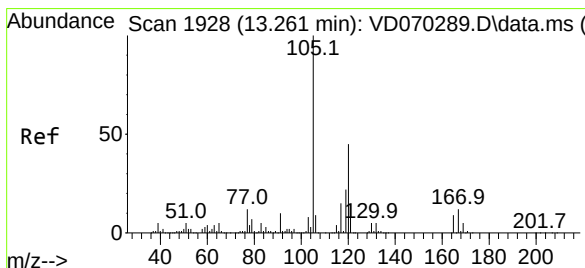
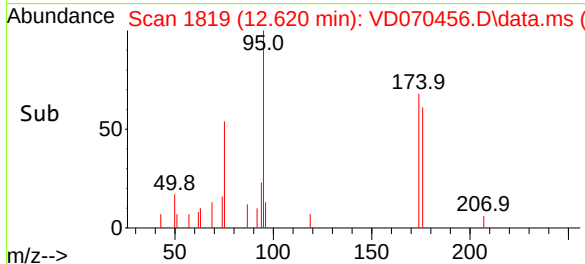
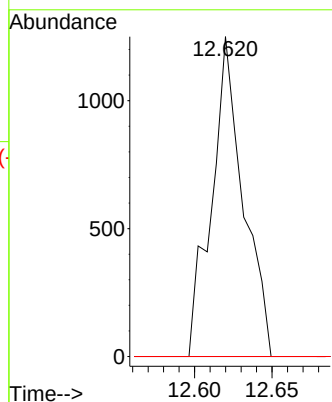


#81
trans-1,4-Dichloro-2-butene
Concen: 113.400 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Instrument :
MSVOA_D
ClientSampled :

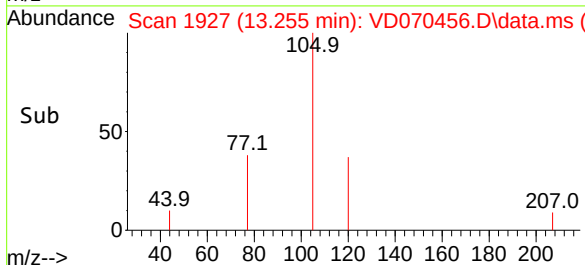
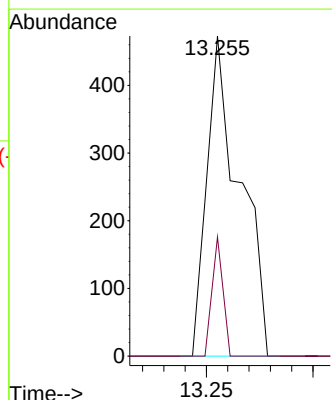
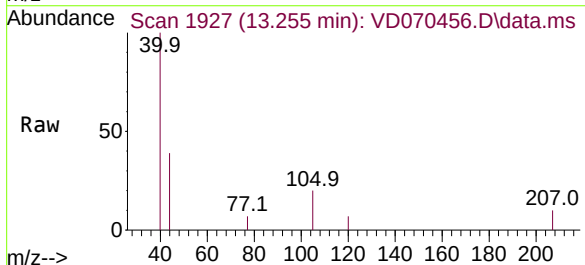


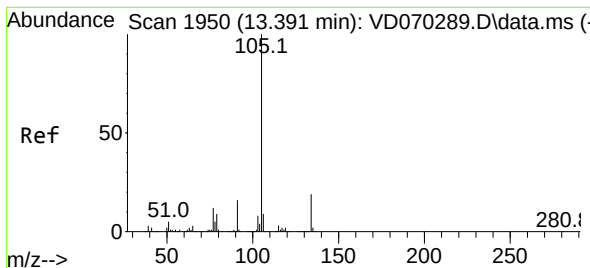
Tgt Ion: 75 Resp: 1779
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.189 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion: 105 Resp: 507
Ion Ratio Lower Upper
105 100
120 12.2 22.3 66.8#

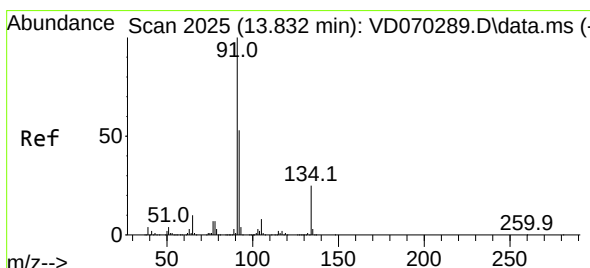
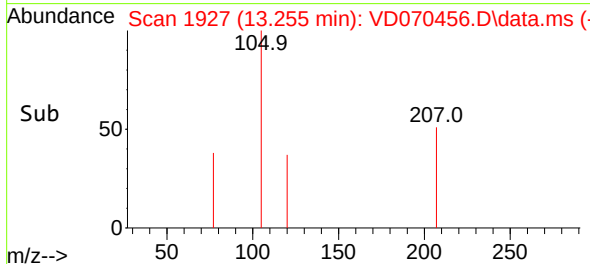
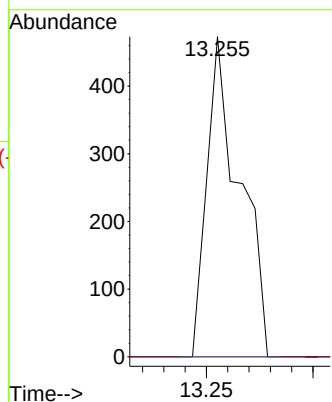
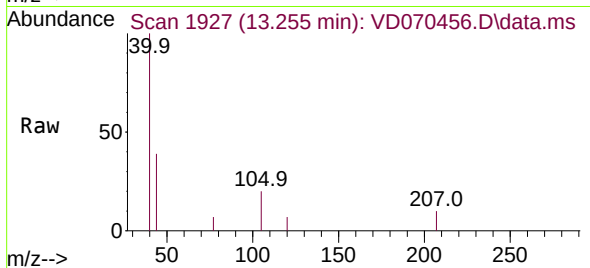




#85
 sec-Butylbenzene
 Concen: 1.691 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. -0.135 min
 Lab File: VD070456.D
 Acq: 24 Sep 2021 15:52

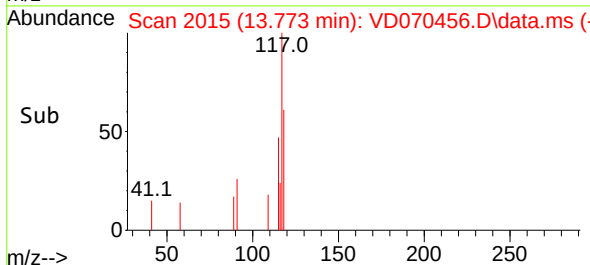
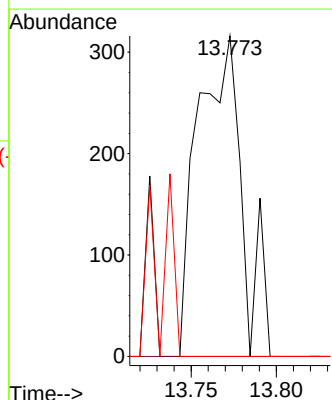
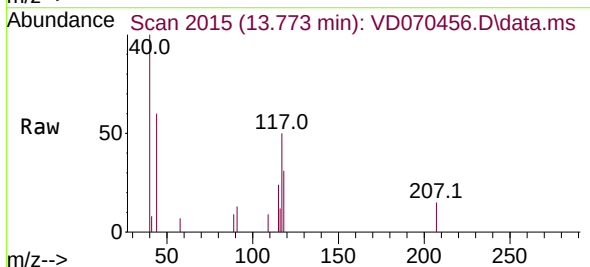
Instrument :
 MSVOA_D
 ClientSampled :

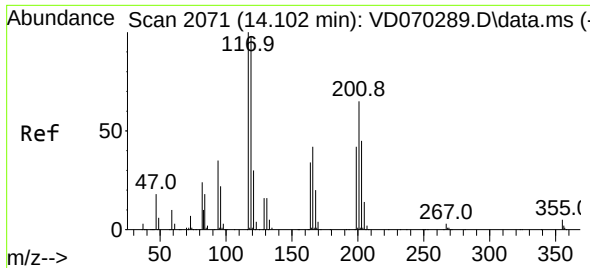
Tgt Ion:105 Resp: 507
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#89
 n-Butylbenzene
 Concen: 2.394 ug/l
 RT: 13.773 min Scan# 2015
 Delta R.T. -0.059 min
 Lab File: VD070456.D
 Acq: 24 Sep 2021 15:52

Tgt Ion: 91 Resp: 575
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.8 80.4#
 134 0.0 12.1 36.3#

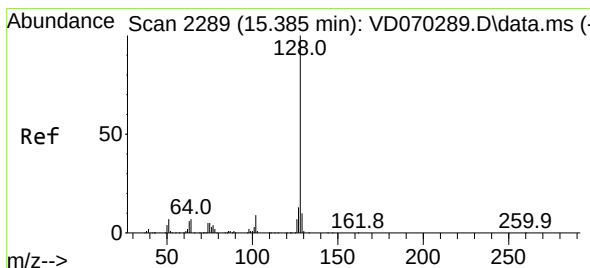
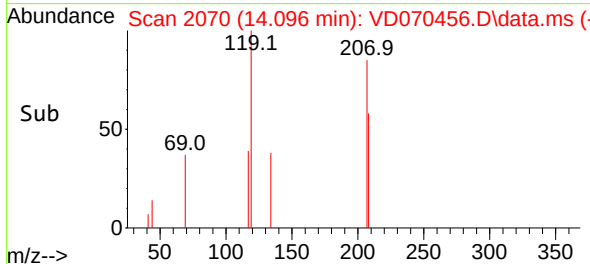
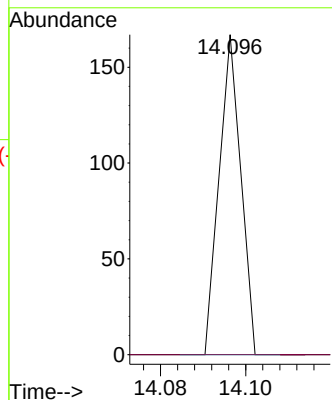
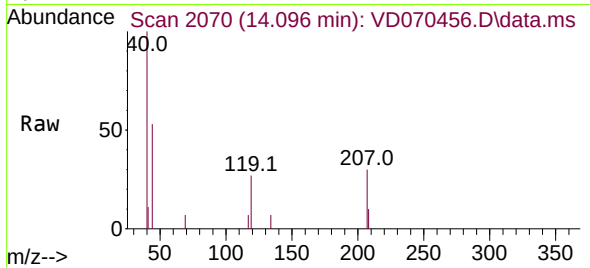




#90
Hexachloroethane
Concen: 1.070 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 59
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#



#95
Naphthalene
Concen: 5.020 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070456.D
Acq: 24 Sep 2021 15:52

Tgt Ion:128 Resp: 569
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

