

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070729.D
 Acq On : 18 Oct 2021 14:51
 Operator : VA/SY
 Sample : M4249-07RE
 Misc : 5.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-(S)RE

Quant Time: Oct 19 06:40:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

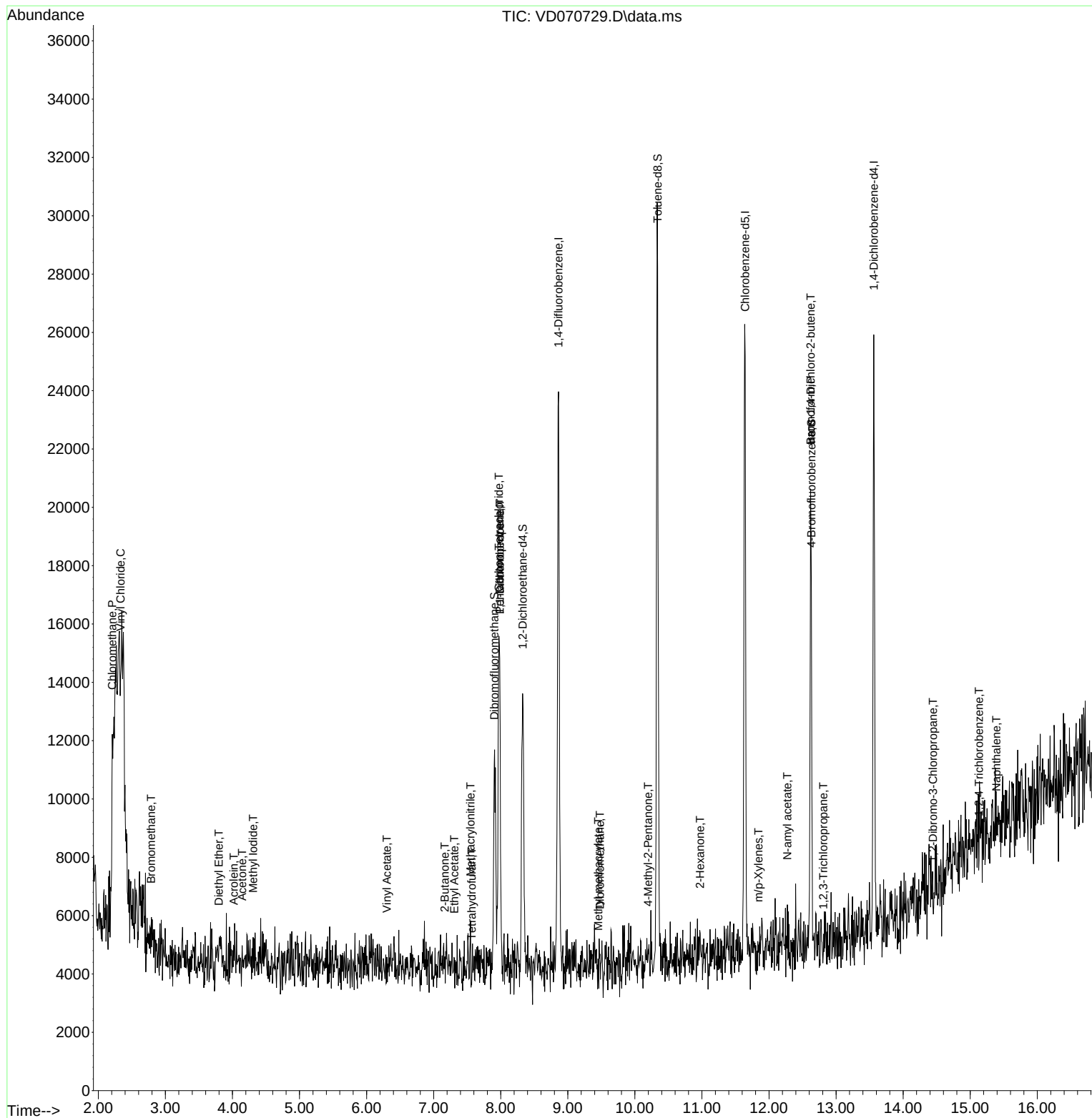
Internal Standards						
1) Pentafluorobenzene	7.985	168	8937	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.861	114	14713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	12682	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8315	78.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	157.100%
35) Dibromofluoromethane	7.903	113	5002	53.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.200%
50) Toluene-d8	10.338	98	16569	45.881	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.760%
62) 4-Bromofluorobenzene	12.632	95	4983	40.073	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	886	5.715	ug/l	# 1
4) Vinyl Chloride	2.332	62	288	1.813	ug/l	# 49
5) Bromomethane	2.785	94	710	7.329	ug/l	# 59
8) Diethyl Ether	3.797	74	82	1.714	ug/l	# 4
10) Methyl Iodide	4.309	142	234	5.280	ug/l	# 76
13) Acrolein	4.021	56	157	27.374	ug/l	# 14
16) Acetone	4.144	43	142	5.562	ug/l	# 40
20) Methylene Chloride	4.979	84	345	Below Cal	#	43
23) Vinyl Acetate	6.303	43	55	16.600	ug/l	# 69
25) 2-Butanone	7.167	43	63	1.997	ug/l	# 43
29) Tetrahydrofuran	7.567	42	64	3.315	ug/l	# 29
36) 1,1-Dichloropropene	7.985	75	690	4.210	ug/l	# 42
37) Ethyl Acetate	7.309	43	94	1.384	ug/l	# 65
38) Carbon Tetrachloride	7.973	117	964	6.141	ug/l	# 12
41) Methacrylonitrile	7.550	41	76	3.649	ug/l	# 16
46) Dibromomethane	9.479	93	82	1.373	ug/l	# 8
48) Methyl methacrylate	9.456	41	96	1.513	ug/l	# 11
51) 4-Methyl-2-Pentanone	10.197	43	77	1.128	ug/l	# 32
59) 2-Hexanone	10.973	43	279	5.806	ug/l	# 20
68) m/p-Xylenes	11.844	106	185	1.027	ug/l	# 16
71) Bromoform	12.620	173	112	2.241	ug/l	# 49
74) N-amyl acetate	12.273	43	165	1.736	ug/l	# 37
76) 1,2,3-Trichloropropane	12.808	75	97	2.191	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	2628	130.000	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.444	75	83	7.204	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.132	180	146	1.720	ug/l	# 12
95) Naphthalene	15.390	128	79	5.223	ug/l	# 69

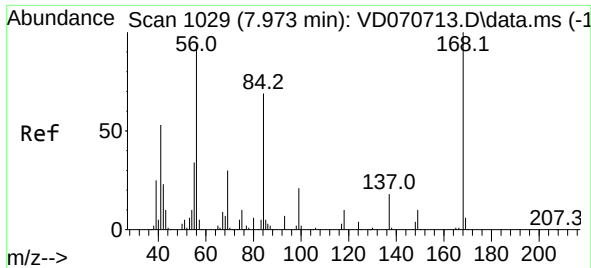
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

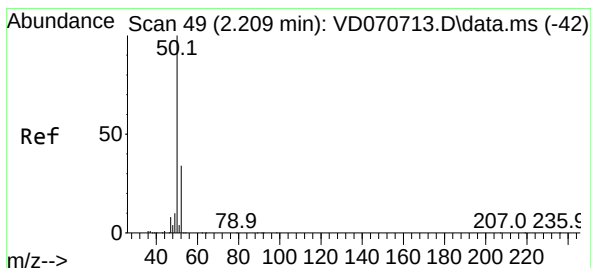
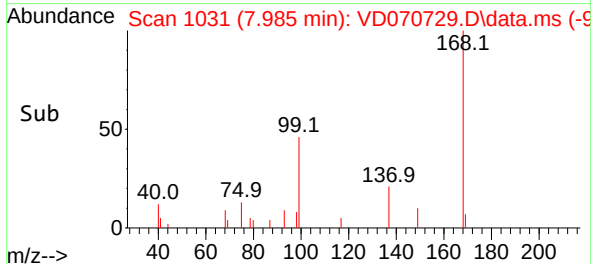
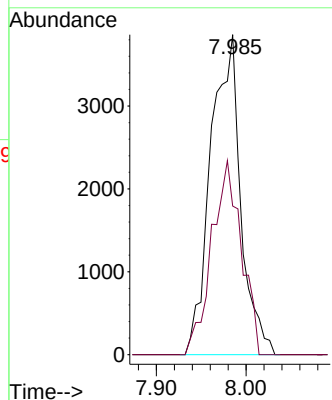
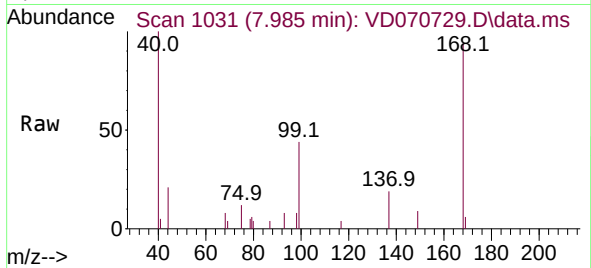




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.012 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

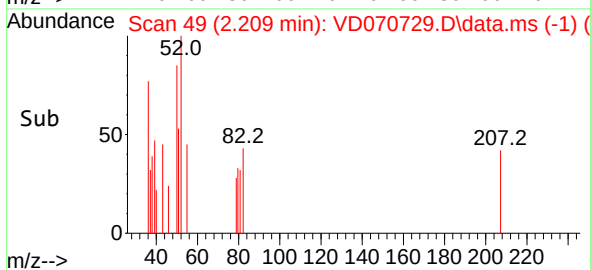
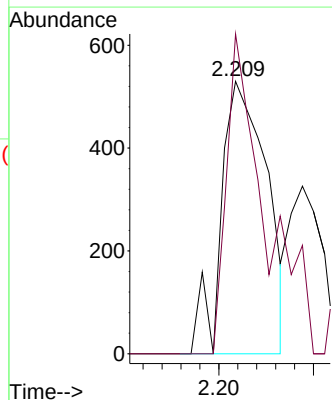
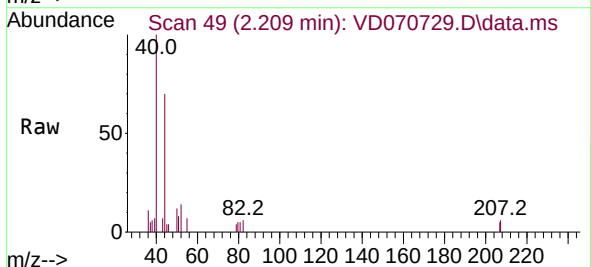
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

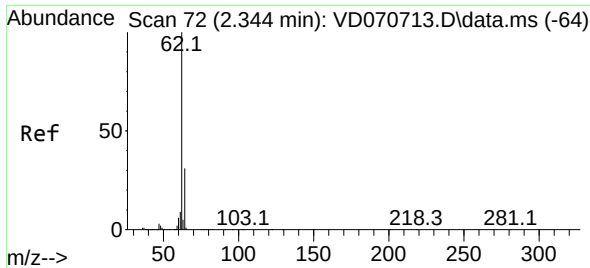
Tgt Ion:168 Resp: 8937
Ion Ratio Lower Upper
168 100
99 46.5 51.4 77.0#



#3
Chloromethane
Concen: 5.715 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 50 Resp: 886
Ion Ratio Lower Upper
50 100
52 117.4 26.0 39.0#

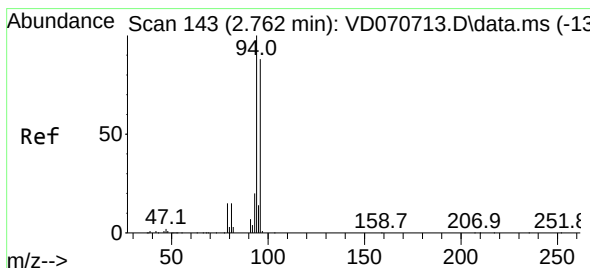
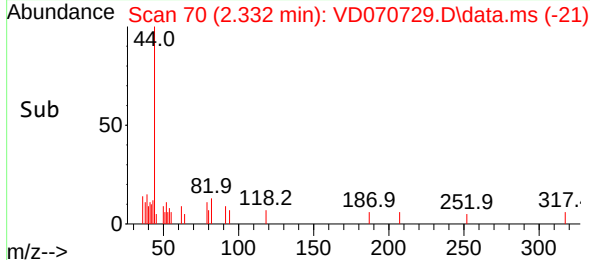
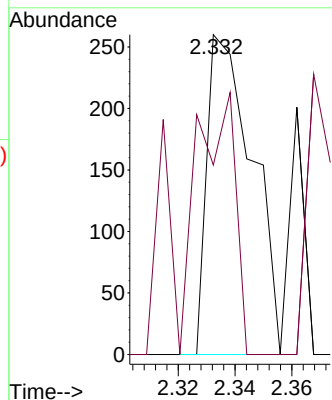
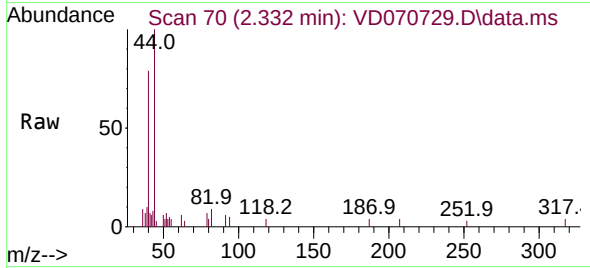




#4
 Vinyl Chloride
 Concen: 1.813 ug/l
 RT: 2.332 min Scan# 70
 Delta R.T. -0.012 min
 Lab File: VD070729.D
 Acq: 18 Oct 2021 14:51

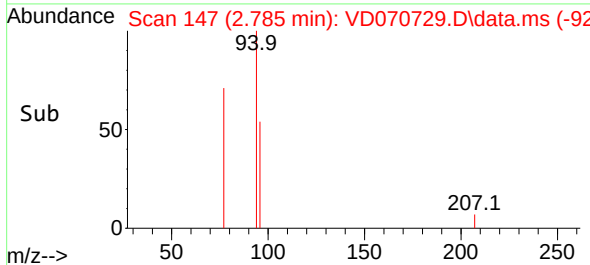
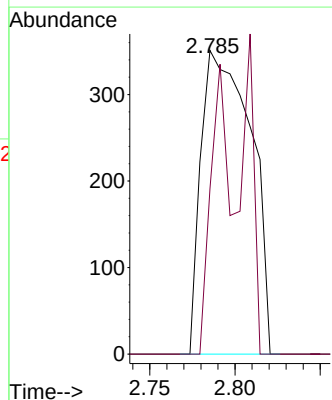
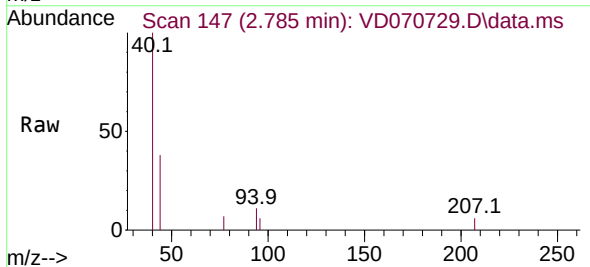
Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-(S)RE

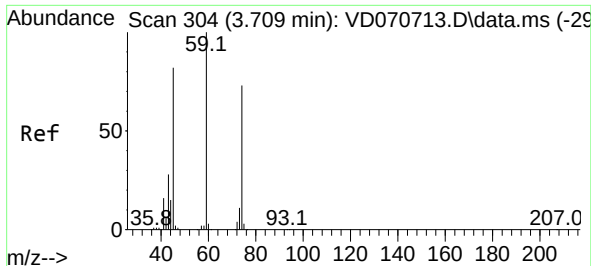
Tgt Ion: 62 Resp: 288
 Ion Ratio Lower Upper
 62 100
 64 59.2 24.9 37.3#



#5
 Bromomethane
 Concen: 7.329 ug/l
 RT: 2.785 min Scan# 147
 Delta R.T. 0.024 min
 Lab File: VD070729.D
 Acq: 18 Oct 2021 14:51

Tgt Ion: 94 Resp: 710
 Ion Ratio Lower Upper
 94 100
 96 54.4 75.5 113.3#

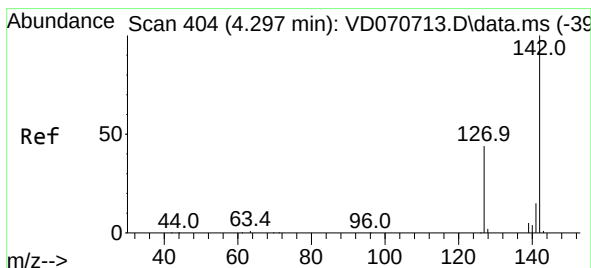
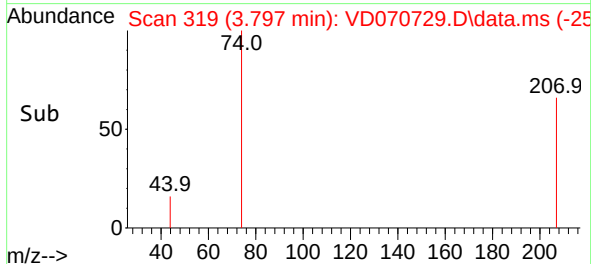
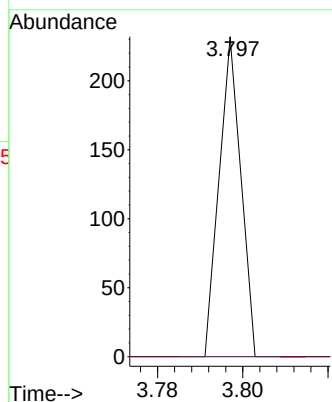
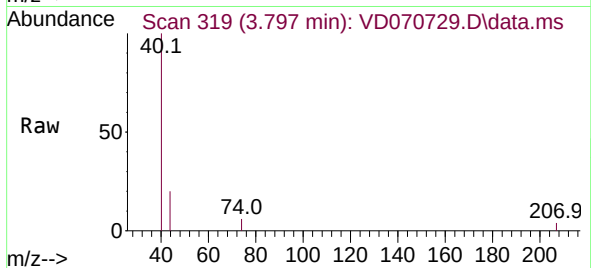




#8
Diethyl Ether
Concen: 1.714 ug/l
RT: 3.797 min Scan# 319
Delta R.T. 0.088 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

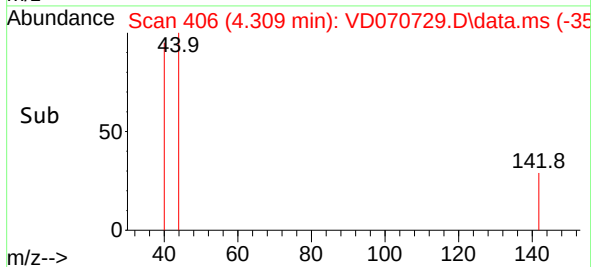
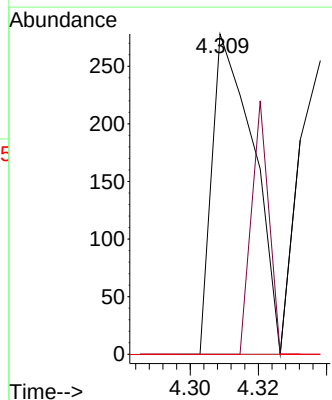
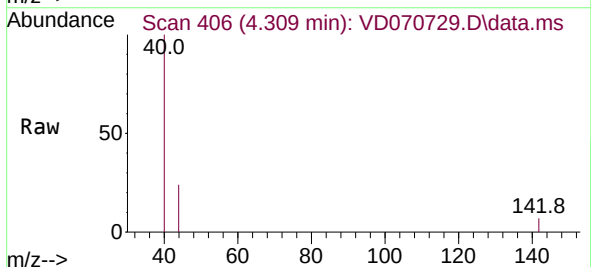
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

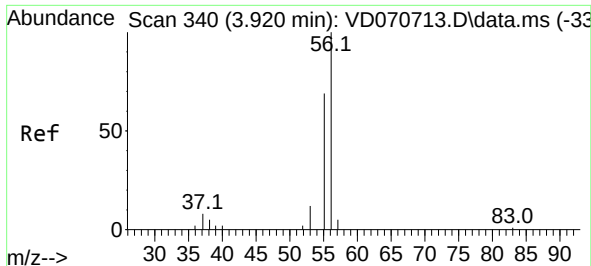
Tgt Ion: 74 Resp: 82
Ion Ratio Lower Upper
74 100
45 0.0 45.1 135.5#



#10
Methyl Iodide
Concen: 5.280 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 142 Resp: 234
Ion Ratio Lower Upper
142 100
127 33.3 37.5 56.3#
141 0.0 12.1 18.1#

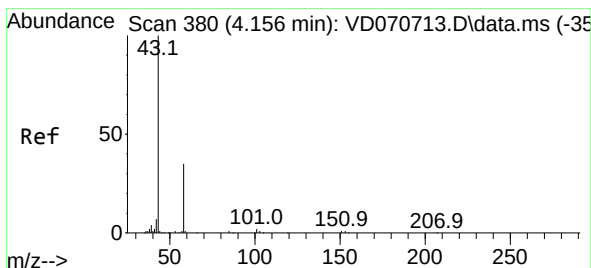
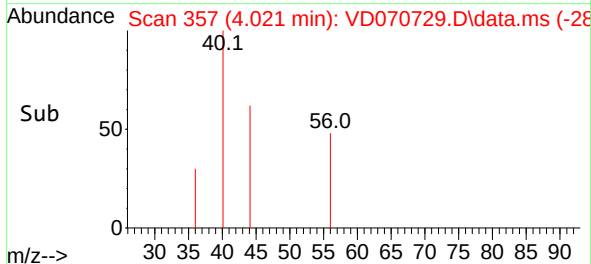
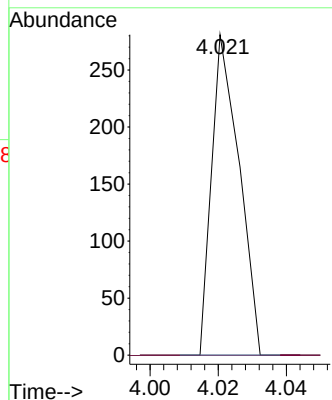
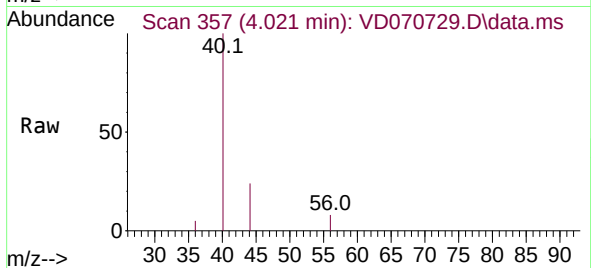




#13
Acrolein
Concen: 27.374 ug/l
RT: 4.021 min Scan# 357
Delta R.T. 0.100 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

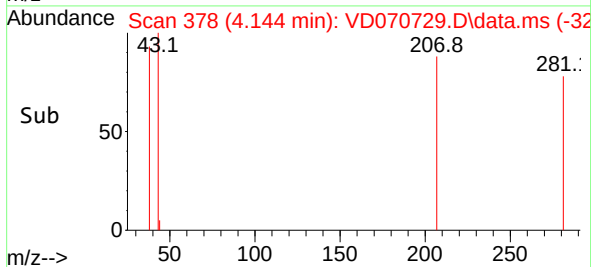
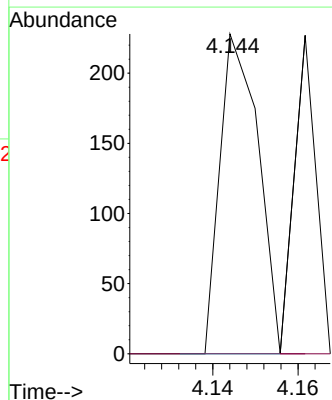
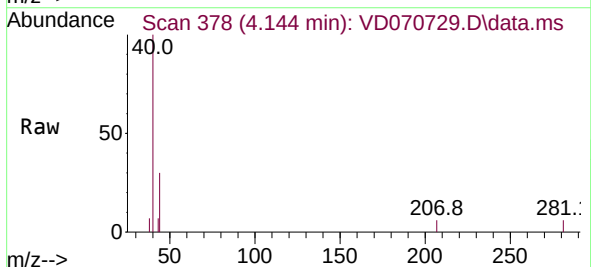
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

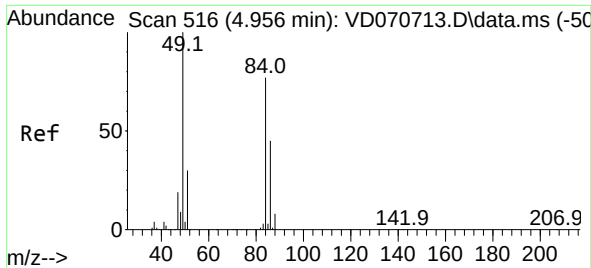
Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: 5.562 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

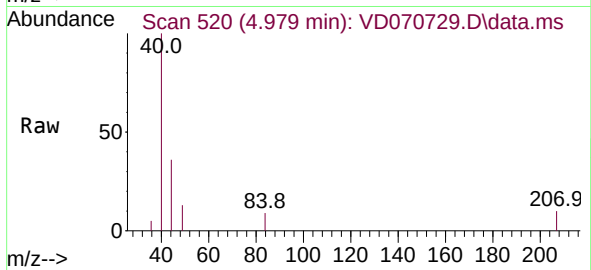
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



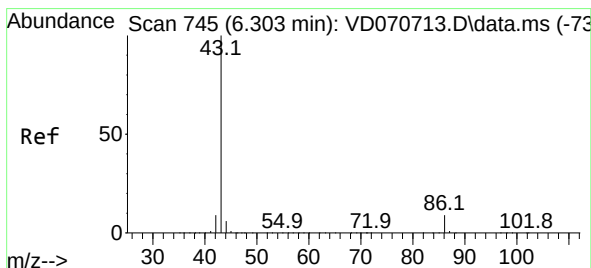
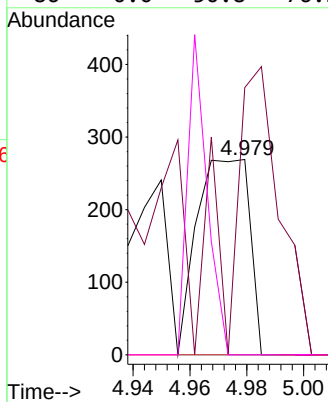
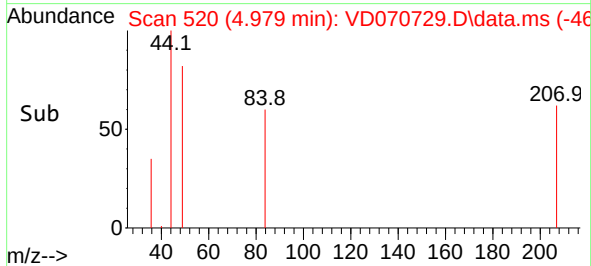


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.023 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

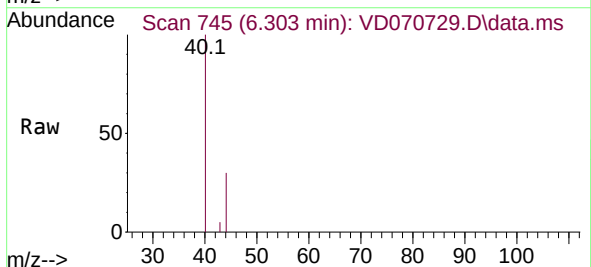
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE



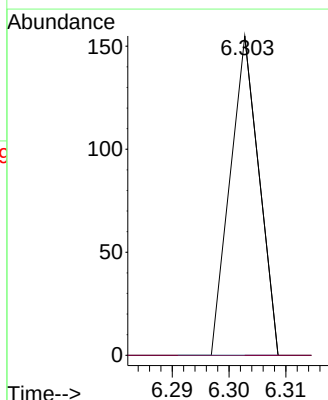
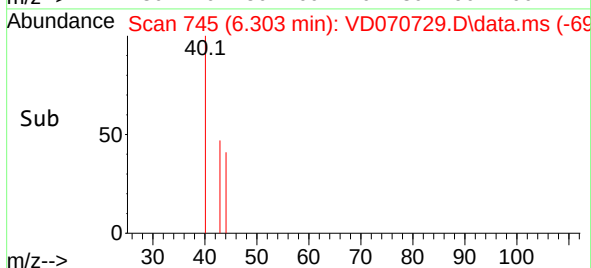
Tgt Ion:	84	Resp:	345
Ion	Ratio	Lower	Upper
84	100		
49	67.3	91.4	137.2#
51	0.0	26.7	40.1#
86	0.0	50.8	76.2#

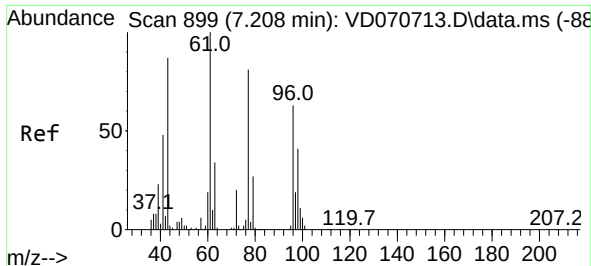


#23
Vinyl Acetate
Concen: 16.600 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51



Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

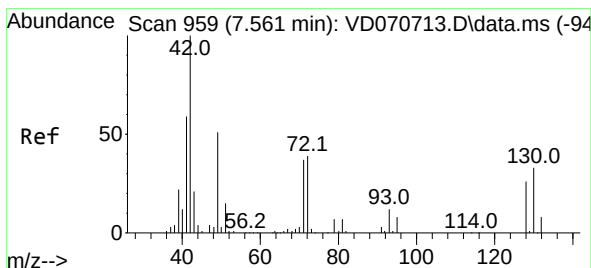
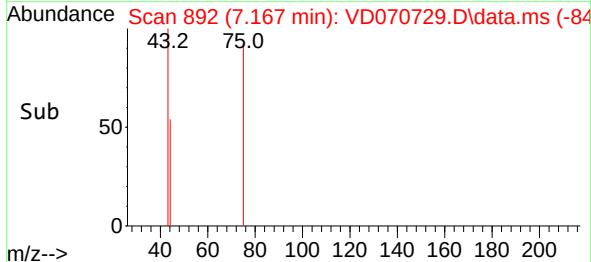
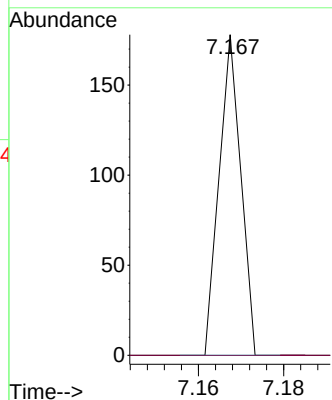
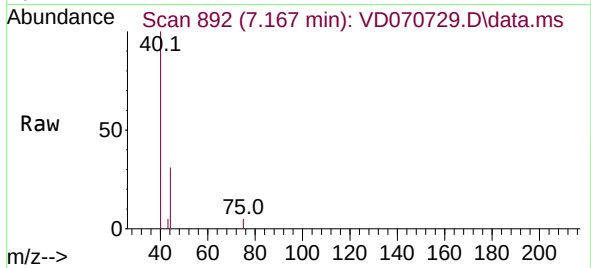




#25
2-Butanone
Concen: 1.997 ug/l
RT: 7.167 min Scan# 892
Delta R.T. -0.041 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

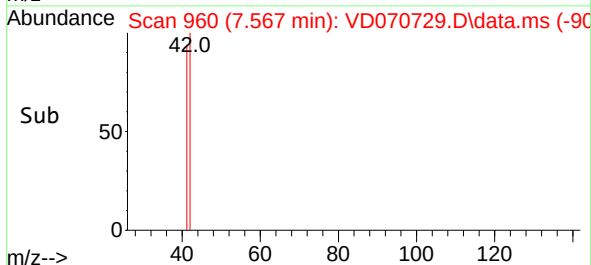
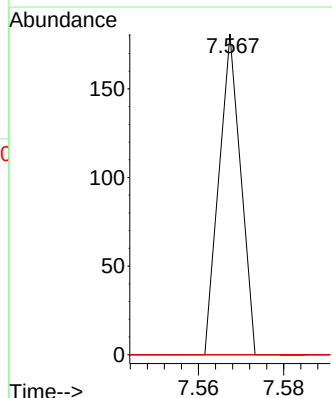
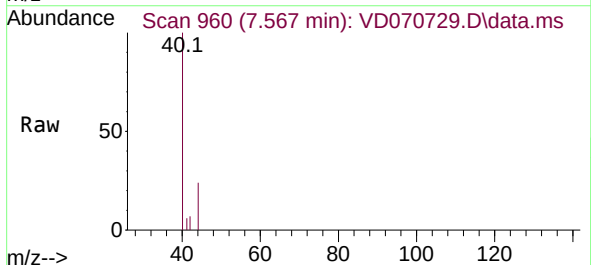
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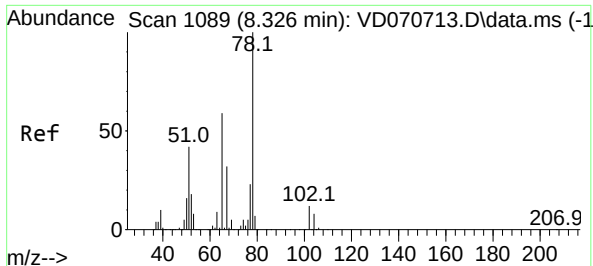
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#



#29
Tetrahydrofuran
Concen: 3.315 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 42 Resp: 64
Ion Ratio Lower Upper
42 100
72 0.0 40.2 60.4#
71 0.0 37.2 55.8#

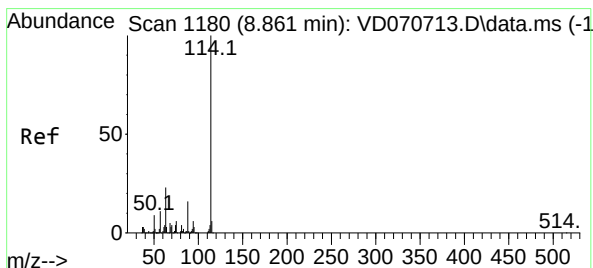
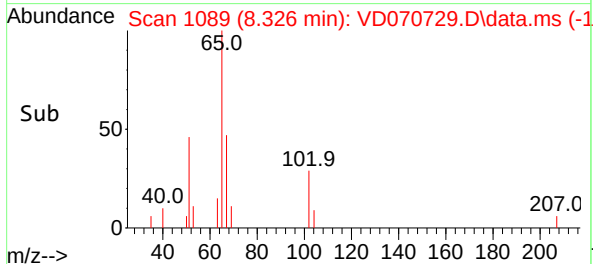
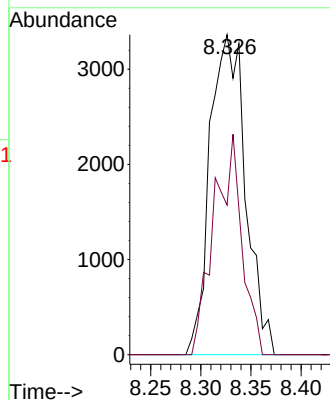
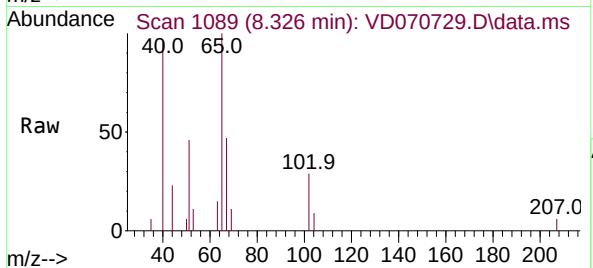




#33
1,2-Dichloroethane-d4
Concen: 78.553 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

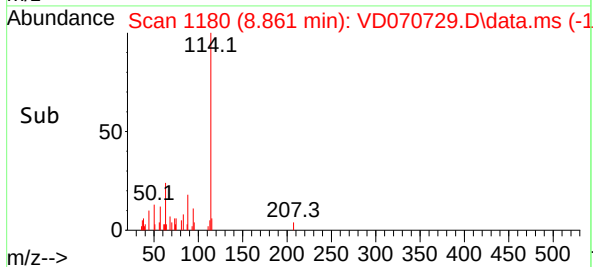
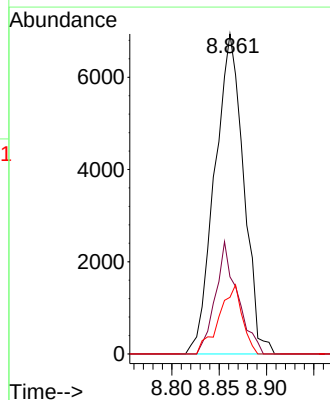
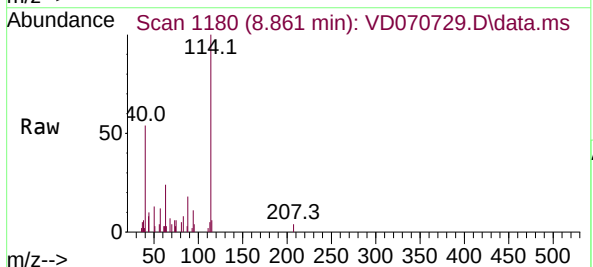
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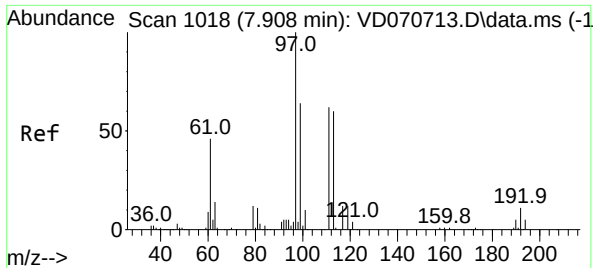
Tgt Ion: 65 Resp: 8315
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 114 Resp: 14713
Ion Ratio Lower Upper
114 100
63 24.1 0.0 41.8
88 17.7 0.0 32.6



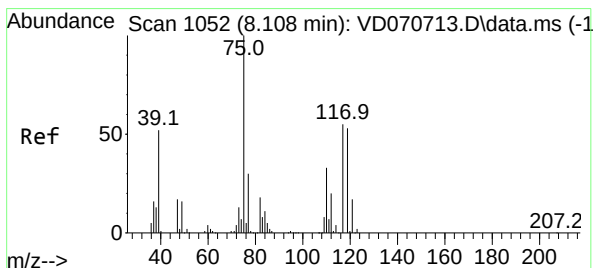
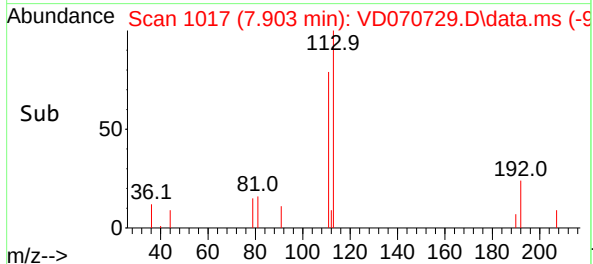
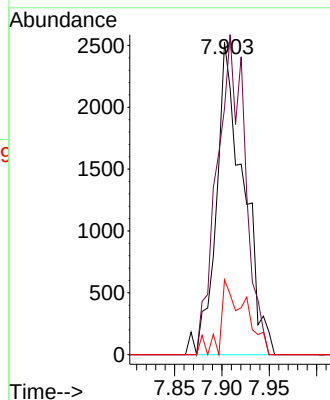
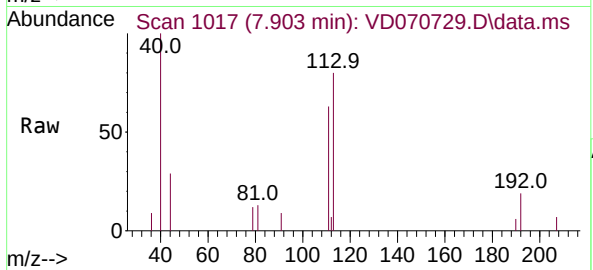


#35

Dibromofluoromethane
Concen: 53.095 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

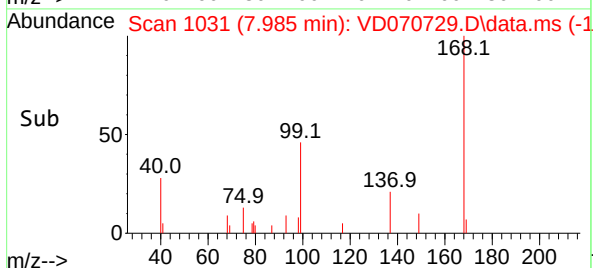
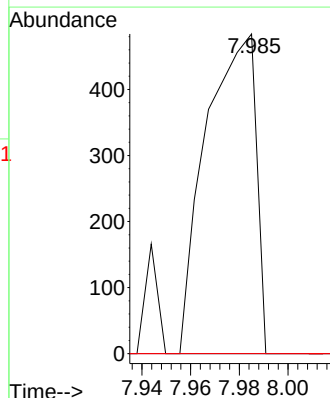
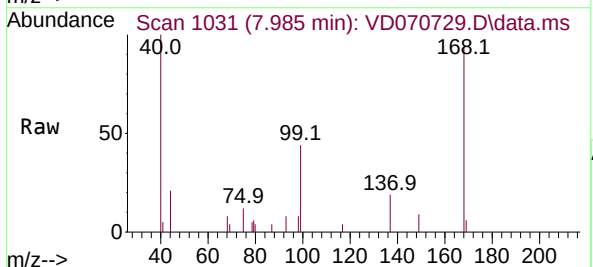
Tgt Ion:113 Resp: 5002
Ion Ratio Lower Upper
113 100
111 107.8 83.1 124.7
192 21.2 12.7 19.1#

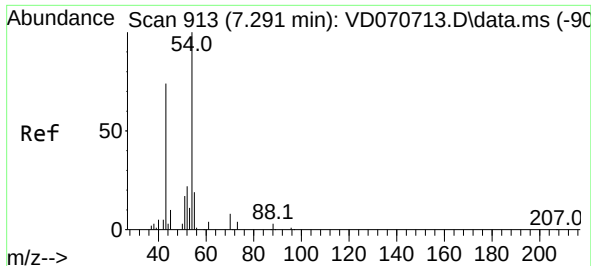


#36

1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.123 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

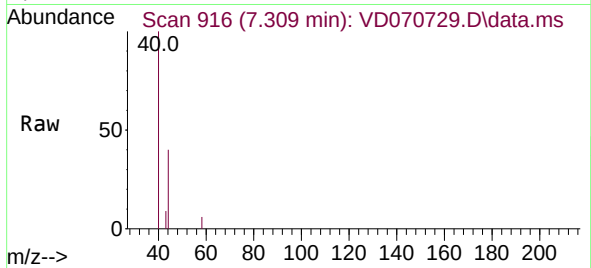
Tgt Ion: 75 Resp: 690
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#



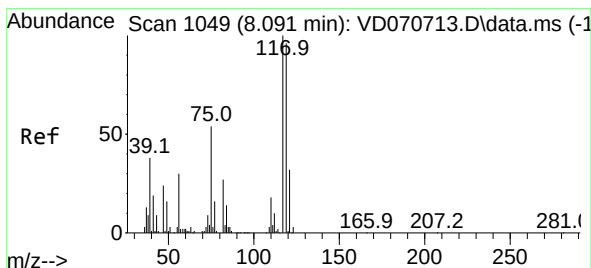
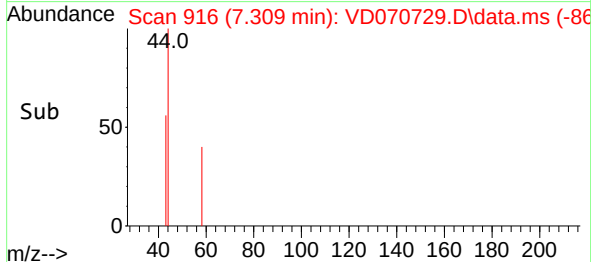
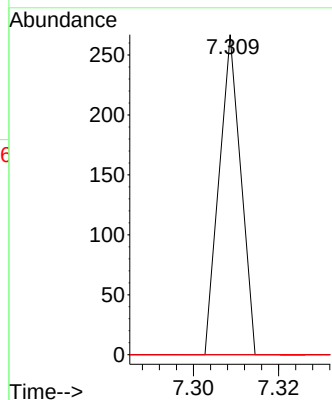


#37
Ethyl Acetate
Concen: 1.384 ug/l
RT: 7.309 min Scan# 916
Delta R.T. 0.018 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

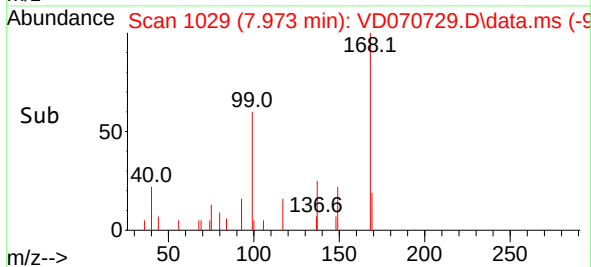
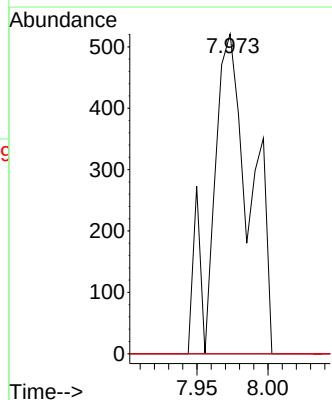
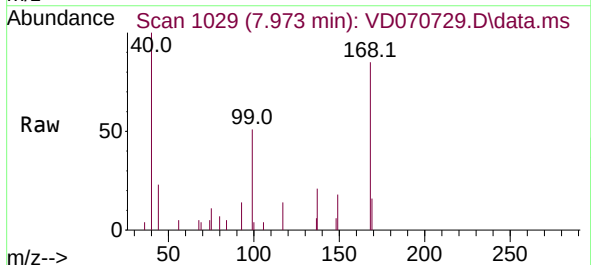


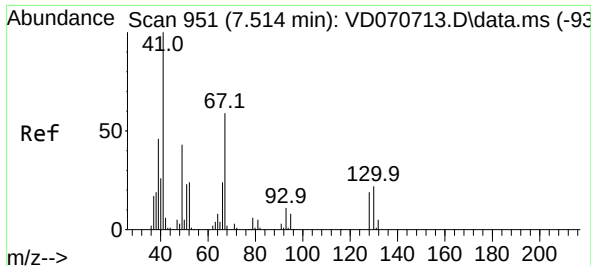
Tgt Ion: 43	Resp: 94
Ion Ratio	Lower Upper
43 100	
61 0.0	12.9 19.3#
70 0.0	9.9 14.9#



#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 117	Resp: 964
Ion Ratio	Lower Upper
117 100	
119 0.0	77.4 116.0#
121 0.0	25.4 38.0#

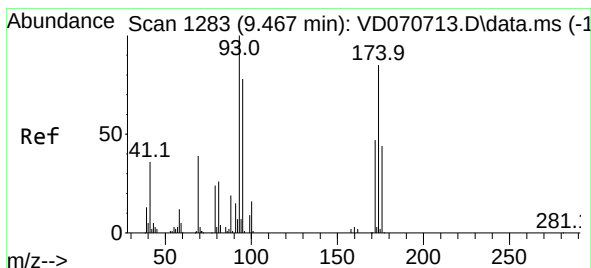
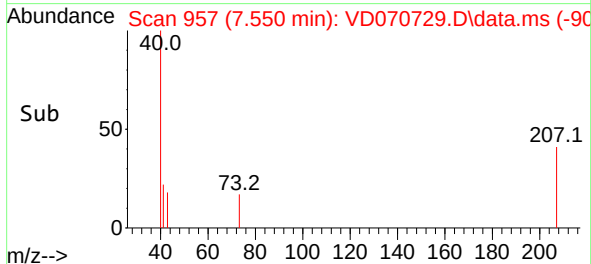
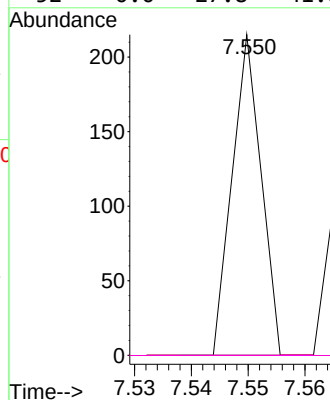
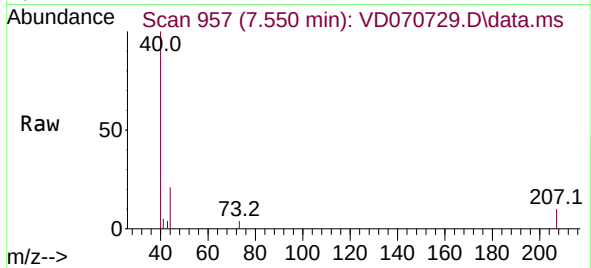




#41
Methacrylonitrile
Concen: 3.649 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.036 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

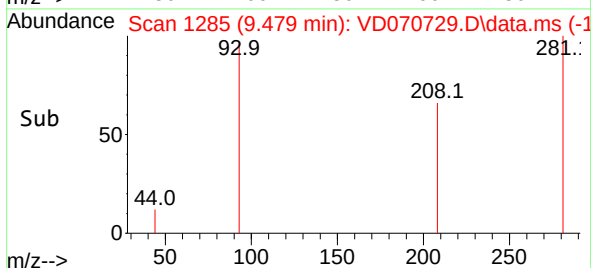
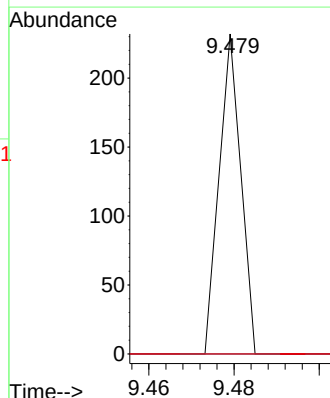
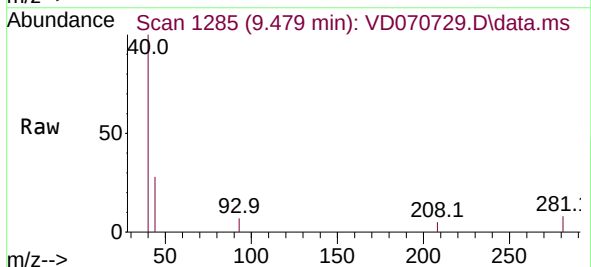
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

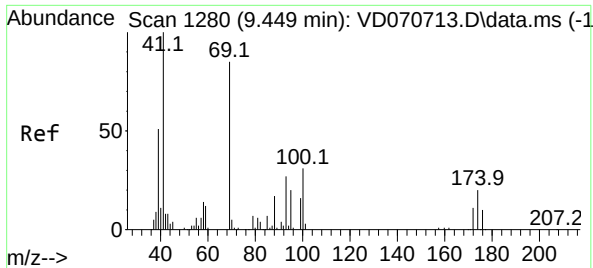
Tgt Ion:	41	Resp:	76
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#46
Dibromomethane
Concen: 1.373 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.012 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion:	93	Resp:	82
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.5	99.7#
174	0.0	66.7	100.1#

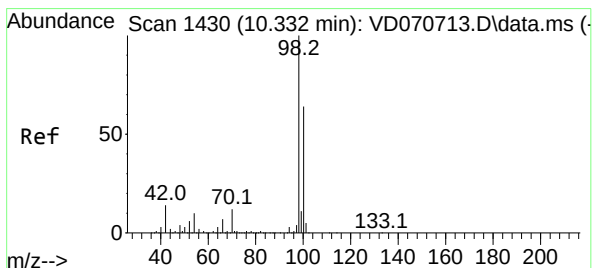
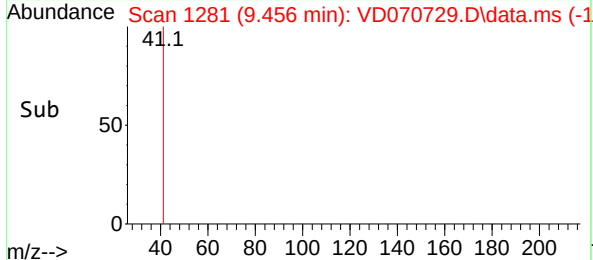
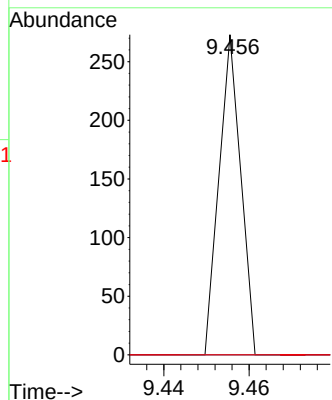
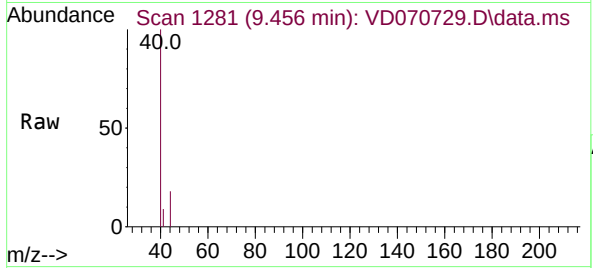




#48
Methyl methacrylate
Concen: 1.513 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

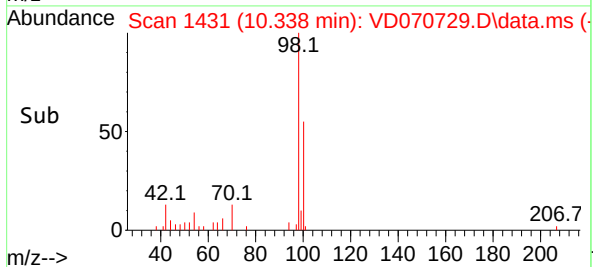
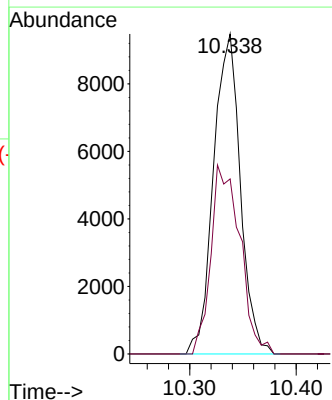
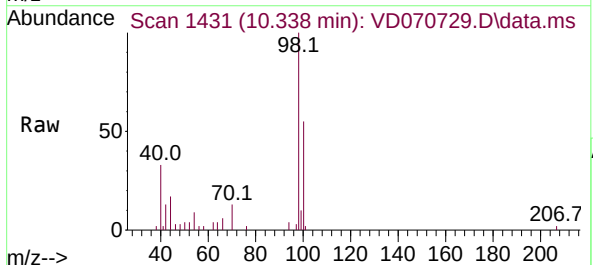
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

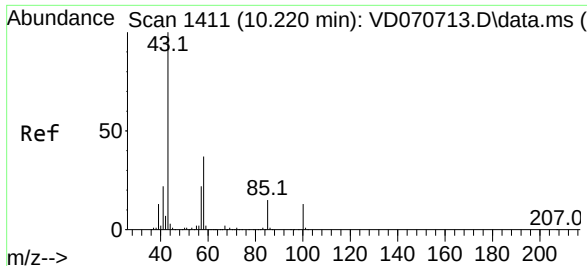
Tgt Ion:	41	Resp:	96
Ion	Ratio	Lower	Upper
41	100		
69	0.0	78.5	117.7#
39	0.0	34.9	52.3#



#50
Toluene-d8
Concen: 45.881 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion:	98	Resp:	16569
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.4

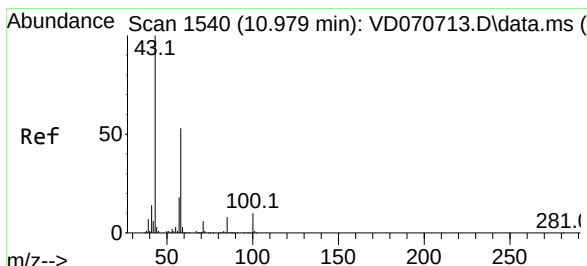
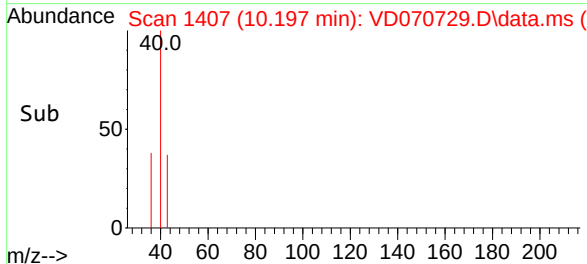
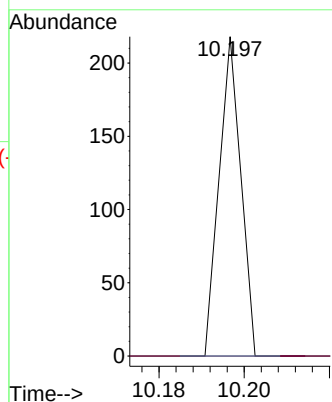
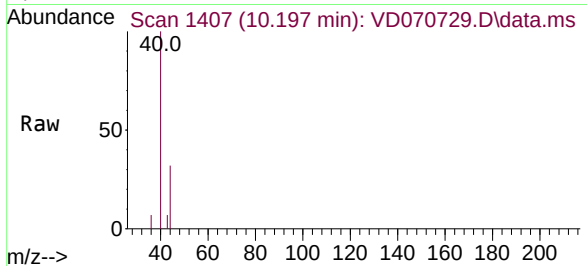




#51
4-Methyl-2-Pentanone
Concen: 1.128 ug/l
RT: 10.197 min Scan# 1407
Delta R.T. -0.023 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

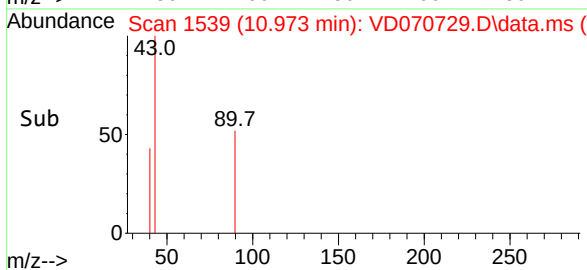
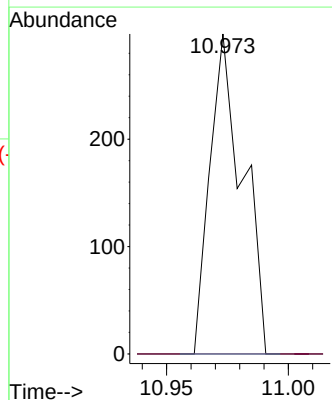
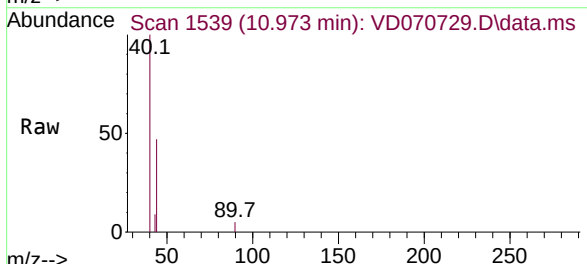
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

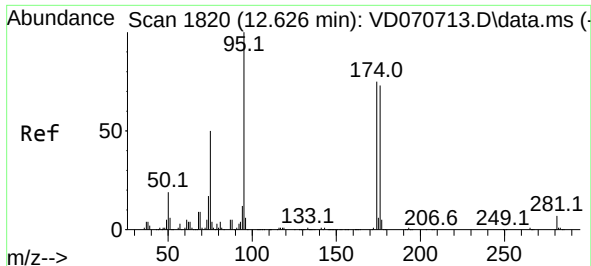
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#



#59
2-Hexanone
Concen: 5.806 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

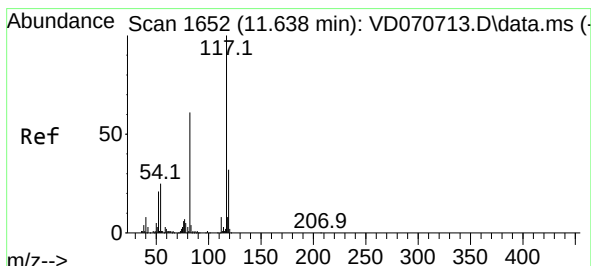
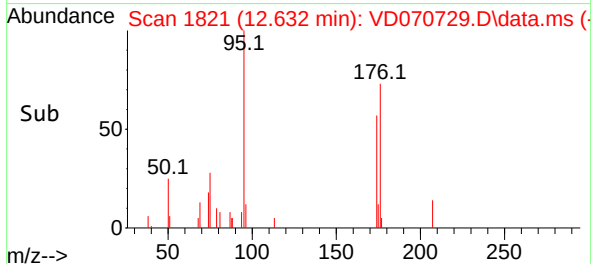
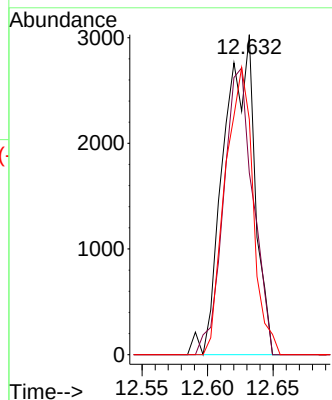
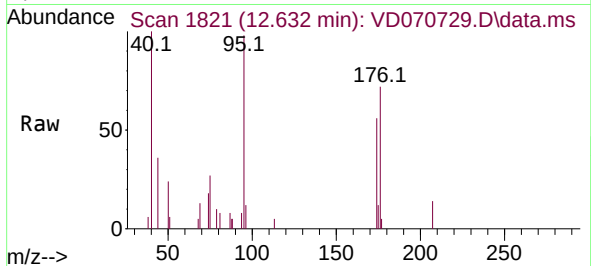




#62
4-Bromofluorobenzene
Concen: 40.073 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

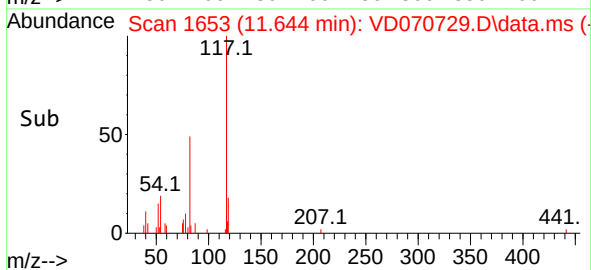
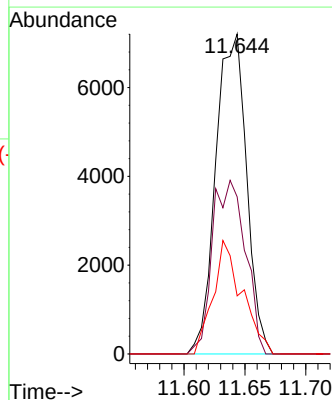
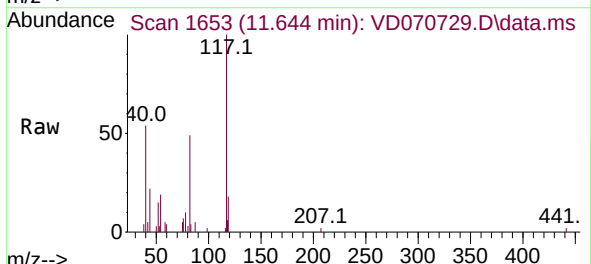
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

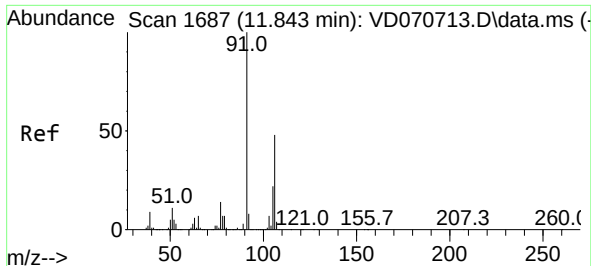
Tgt Ion:	95	Resp:	4983
Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	138.0
176	80.6	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion:	117	Resp:	12682
Ion	Ratio	Lower	Upper
117	100		
82	49.1	45.4	68.2
119	18.2	24.7	37.1#

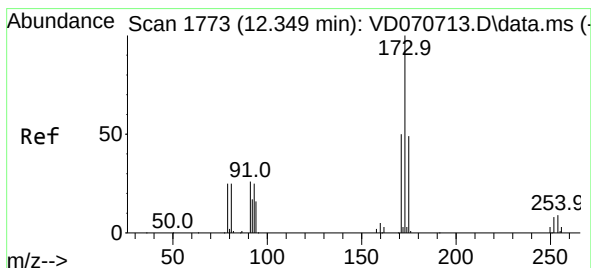
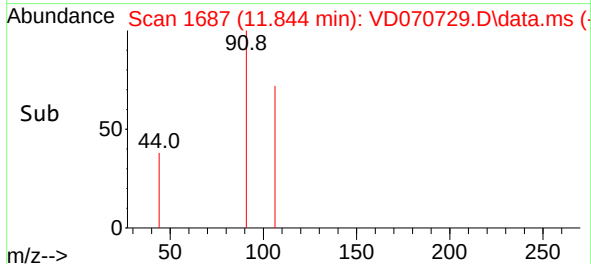
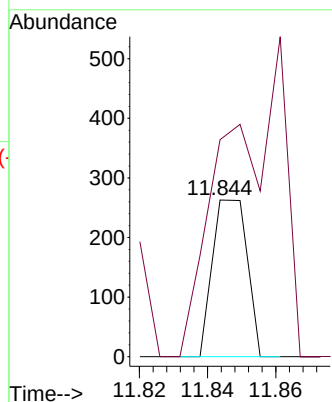
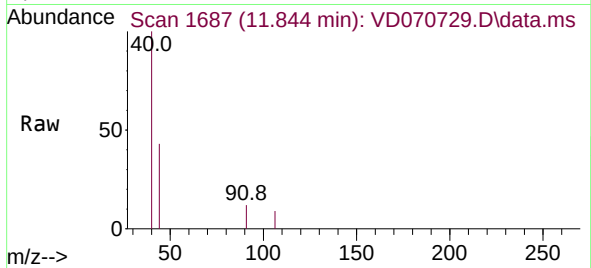




#68
m/p-Xylenes
Concen: 1.027 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

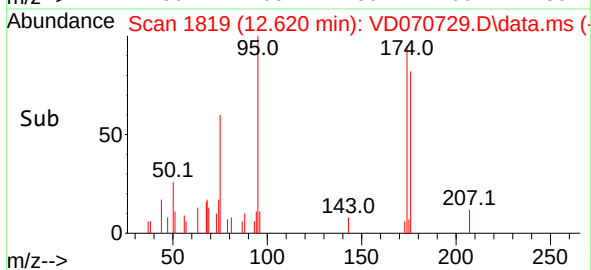
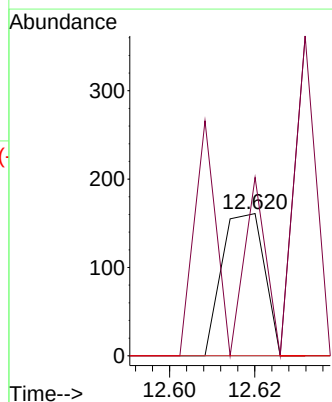
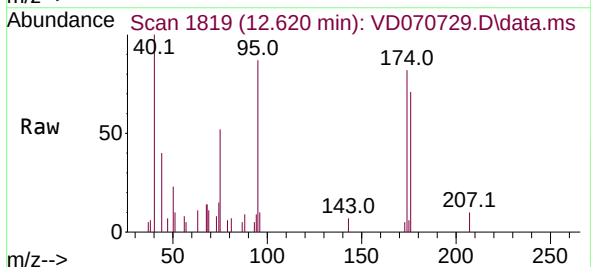
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

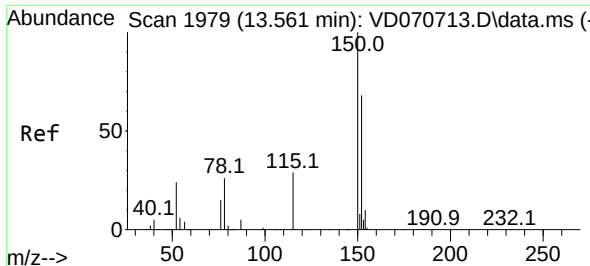
Tgt Ion:106 Resp: 185
Ion Ratio Lower Upper
106 100
91 331.9 162.7 244.1#



#71
Bromoform
Concen: 2.241 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion:173 Resp: 112
Ion Ratio Lower Upper
173 100
175 83.9 24.4 73.4#
254 0.0 0.0 0.0

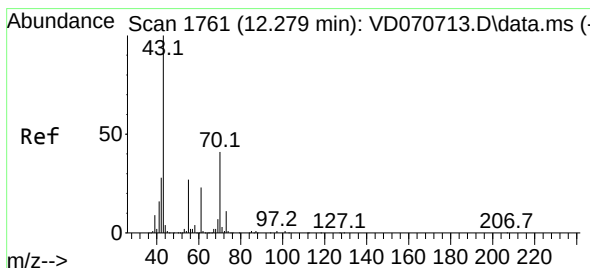
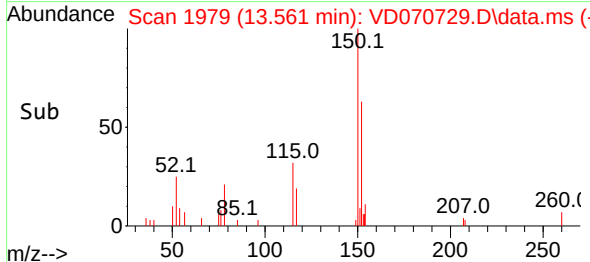
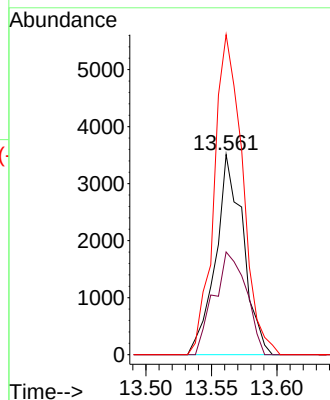
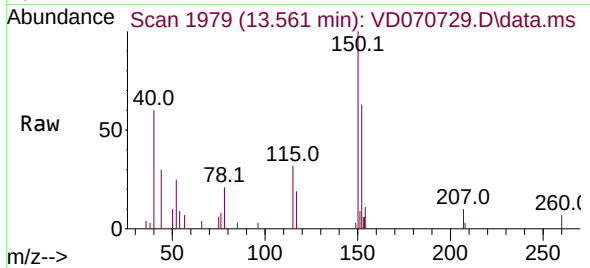




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

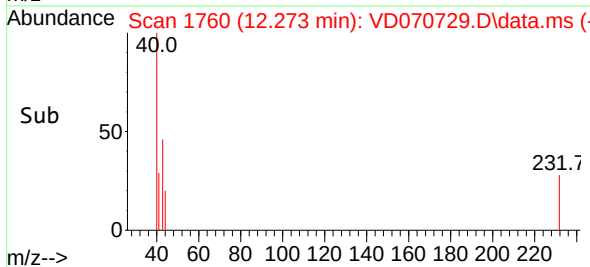
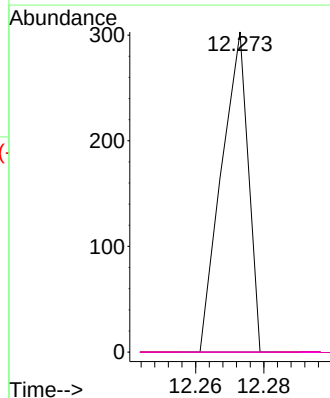
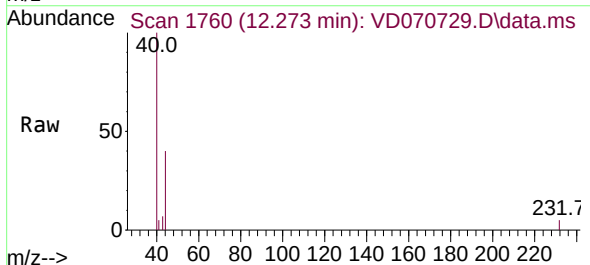
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

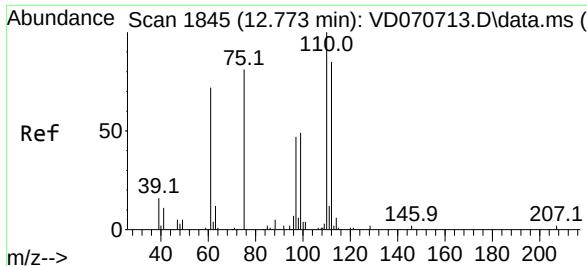
Tgt Ion:	152	Resp:	5125
Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.9	95.7
150	165.3	0.0	350.0



#74
N-ethyl acetate
Concen: 1.736 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

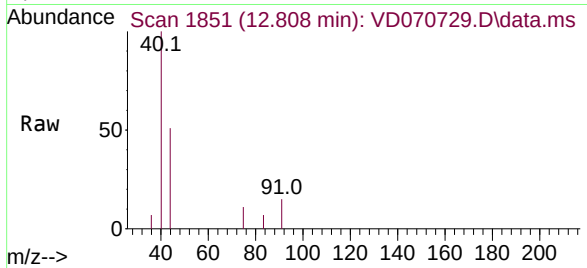
Tgt Ion:	43	Resp:	165
Ion	Ratio	Lower	Upper
43	100		
70	0.0	40.0	60.0#
55	0.0	23.8	35.6#
61	0.0	22.1	33.1#



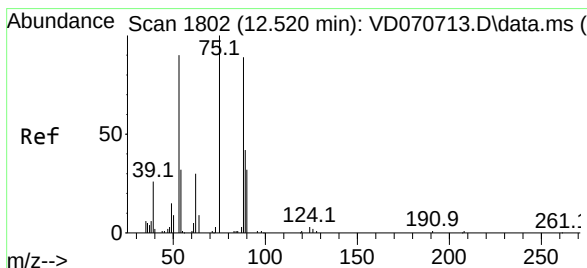
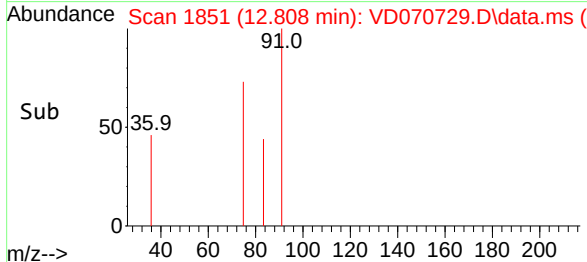
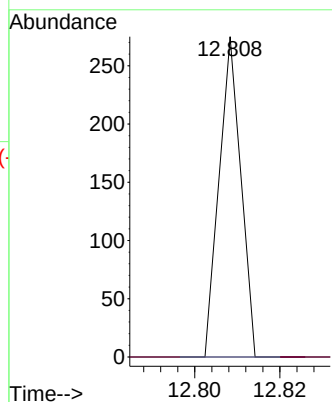


#76
1,2,3-Trichloropropane
Concen: 2.191 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.035 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

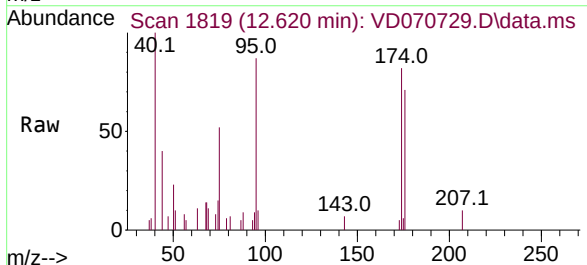
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE



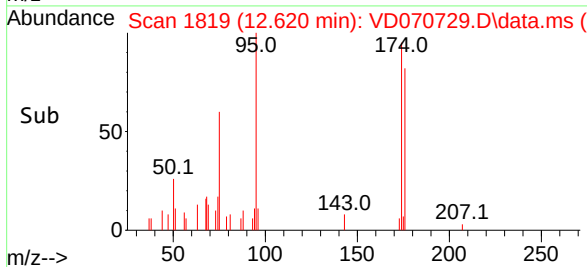
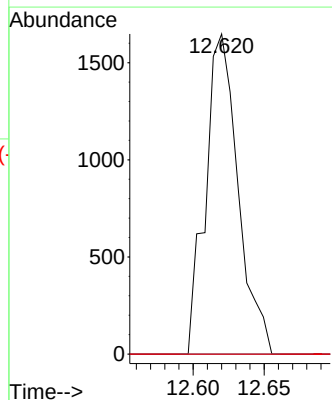
Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

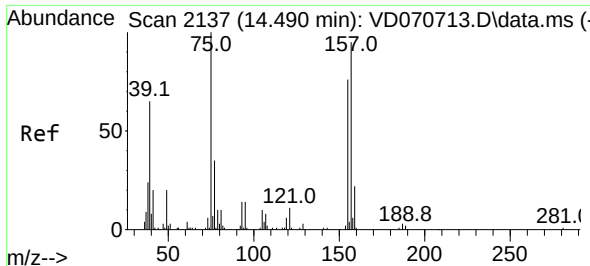


#81
trans-1,4-Dichloro-2-butene
Concen: 130.000 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51



Tgt Ion: 75 Resp: 2628
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

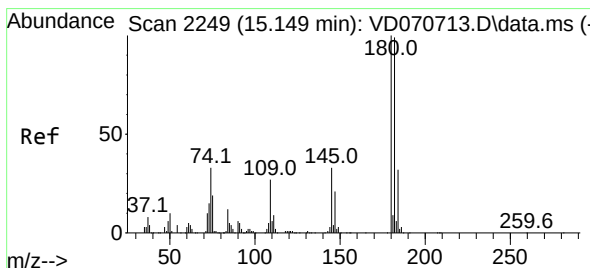
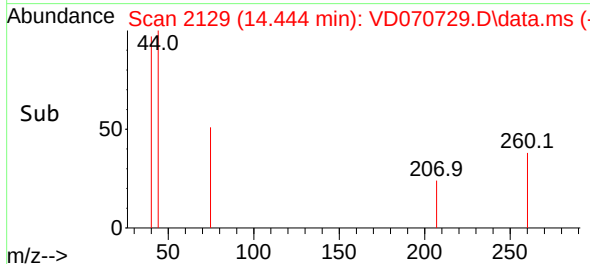
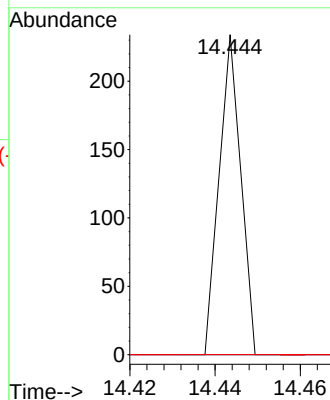
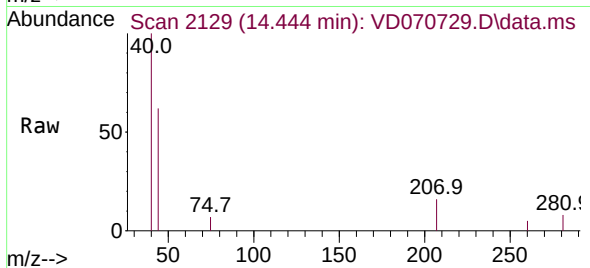




#92
1,2-Dibromo-3-Chloropropane
Concen: 7.204 ug/l
RT: 14.444 min Scan# 2129
Delta R.T. -0.047 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

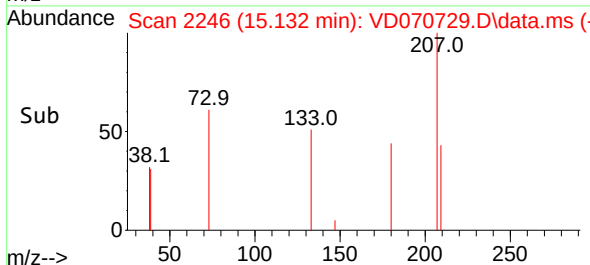
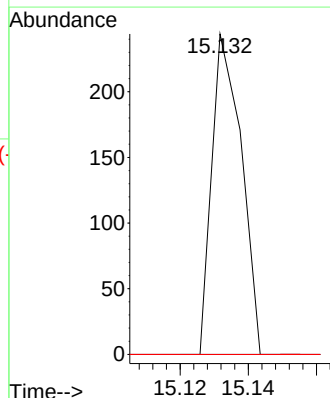
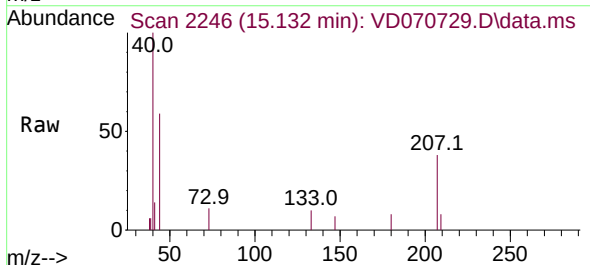
Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

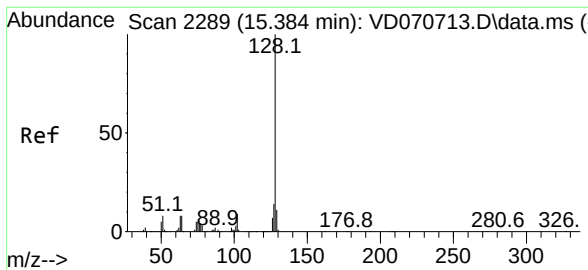
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.720 ug/l
RT: 15.132 min Scan# 2246
Delta R.T. -0.017 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Tgt Ion: 180 Resp: 146
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 16.9 50.7#





#95
Naphthalene
Concen: 5.223 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070729.D
Acq: 18 Oct 2021 14:51

Instrument :
MSVOA_D
ClientSampleId :
TP2-(S)RE

Tgt Ion:	128	Resp:	79
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.9	16.3#
129	0.0	8.6	12.8#

