

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070744.D
 Acq On : 18 Oct 2021 21:57
 Operator : VA/SY
 Sample : M4273-01
 Misc : 5.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-4/2-WC

Quant Time: Oct 19 06:43:30 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)

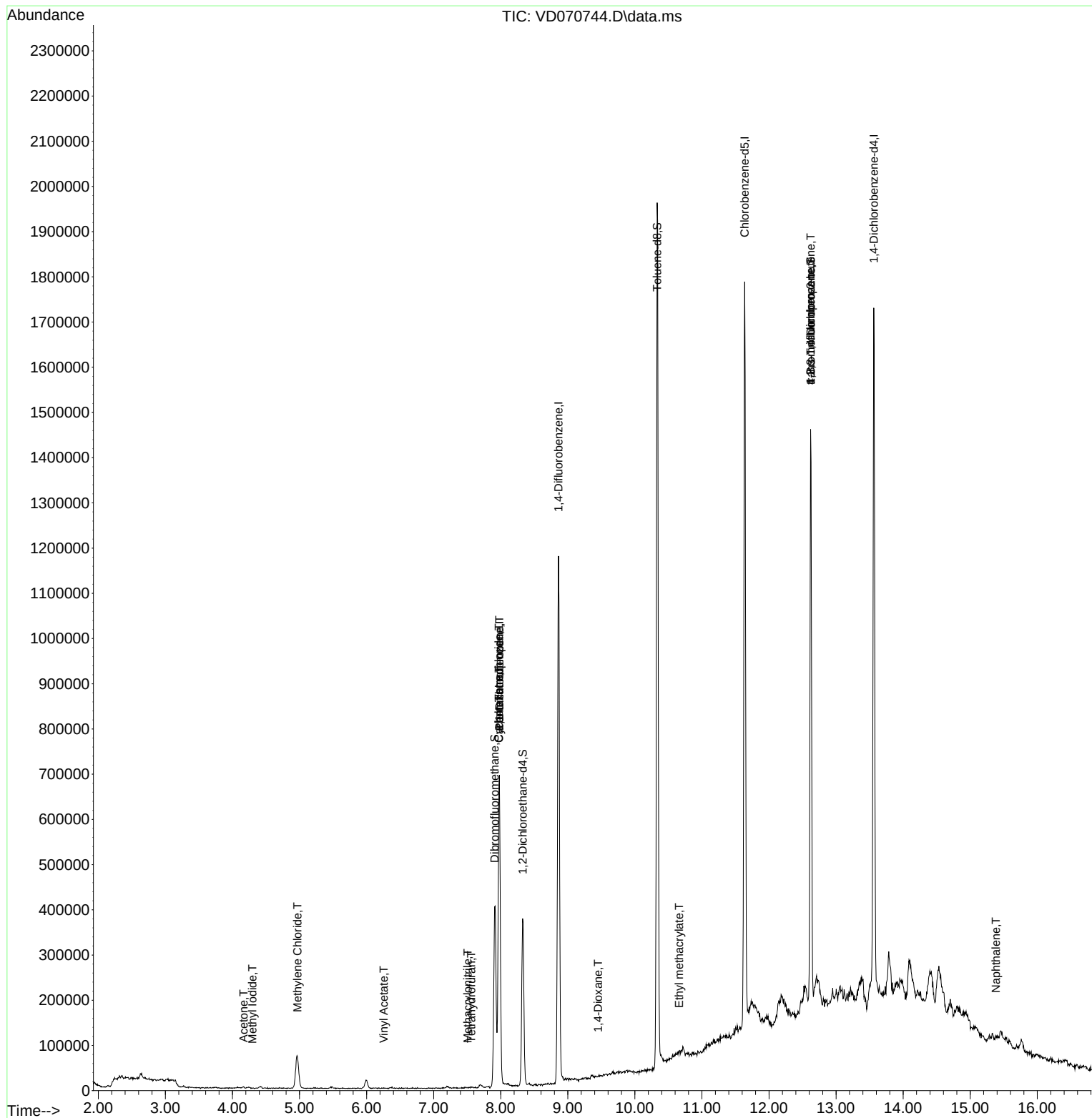
Internal Standards						
1) Pentafluorobenzene	7.979	168	482000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	948511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	949989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	389379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	292883	51.302	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.600%			
35) Dibromofluoromethane	7.908	113	297027	48.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.820%			
50) Toluene-d8	10.332	98	1292675	55.524	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.040%			
62) 4-Bromofluorobenzene	12.620	95	444327	55.427	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.860%			
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	130	3.340	ug/l #	38
16) Acetone	4.168	43	3732	2.710	ug/l	88
20) Methylene Chloride	4.967	84	56335	1.862	ug/l	98
23) Vinyl Acetate	6.256	43	53	16.334	ug/l #	69
29) Tetrahydrofuran	7.561	42	1073	1.030	ug/l #	34
31) Cyclohexane	7.973	56	14107	1.221	ug/l #	15
36) 1,1-Dichloropropene	7.979	75	42988	4.068	ug/l #	50
38) Carbon Tetrachloride	7.973	117	49953	4.936	ug/l #	17
41) Methacrylonitrile	7.509	41	145	1.994	ug/l #	32
49) 1,4-Dioxane	9.450	88	301	7.281	ug/l #	1
56) Ethyl methacrylate	10.661	69	1544	4.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	224833	66.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	224833	146.386	ug/l #	18
95) Naphthalene	15.385	128	1726	4.916	ug/l #	14

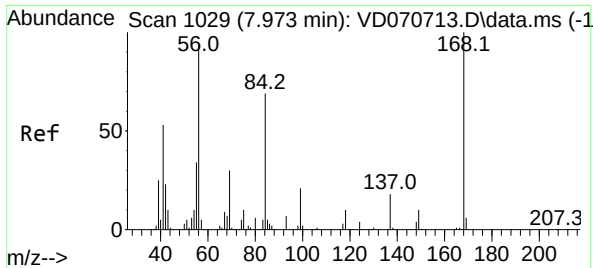
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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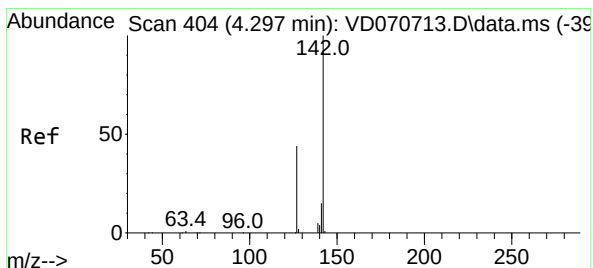
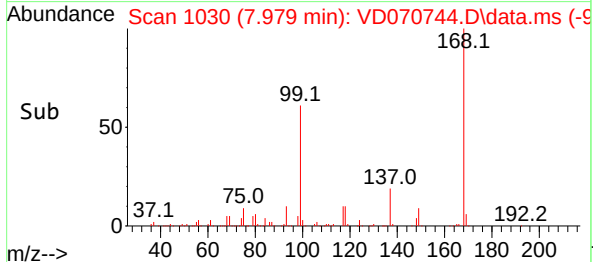
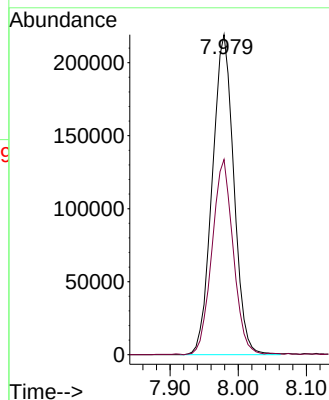
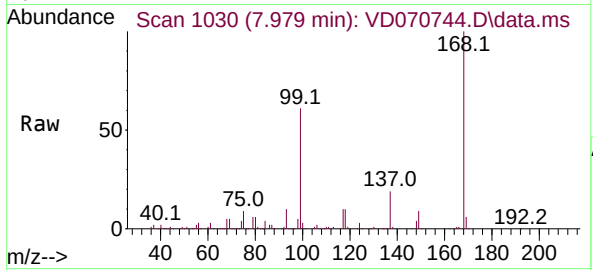




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

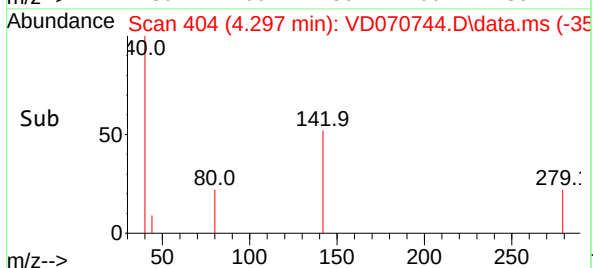
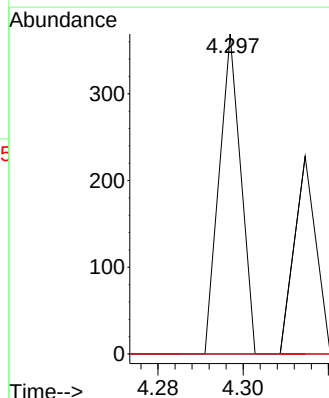
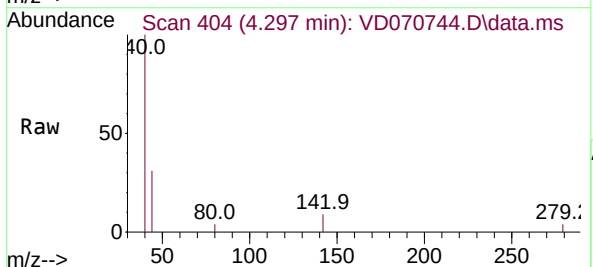
Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC

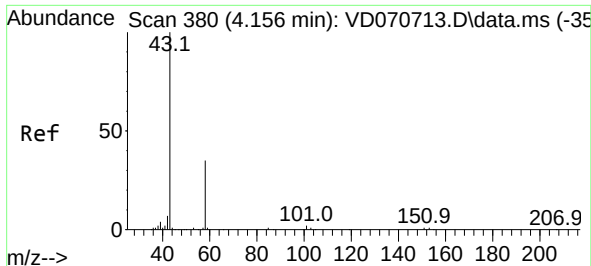
Tgt Ion:168 Resp: 482000
Ion Ratio Lower Upper
168 100
99 60.9 51.4 77.0



#10
Methyl Iodide
Concen: 3.340 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion:142 Resp: 130
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

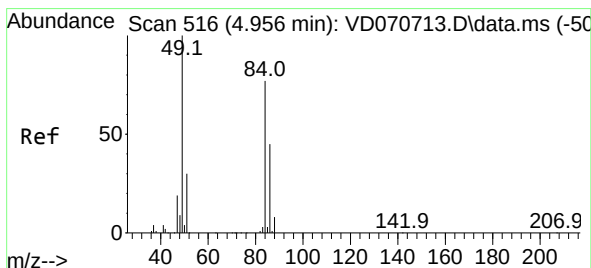
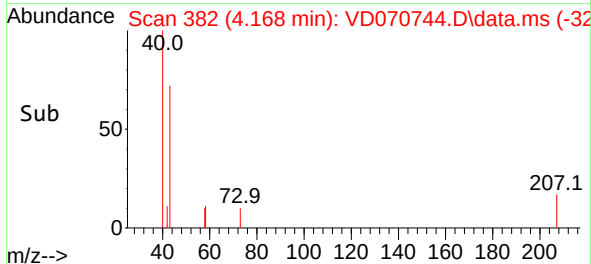
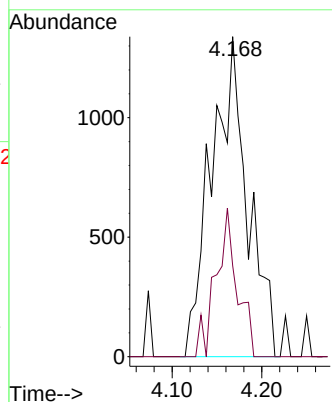
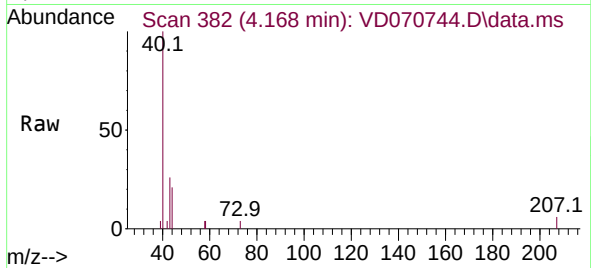




#16
Acetone
Concen: 2.710 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

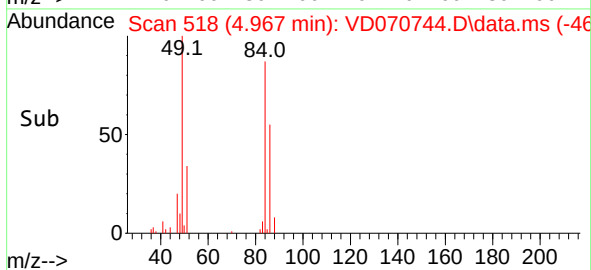
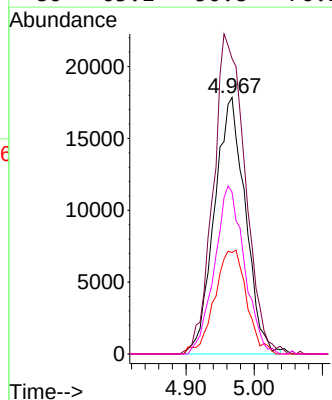
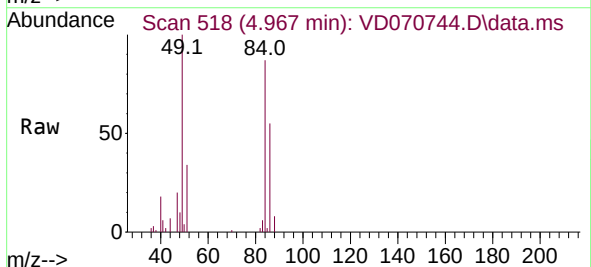
Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC

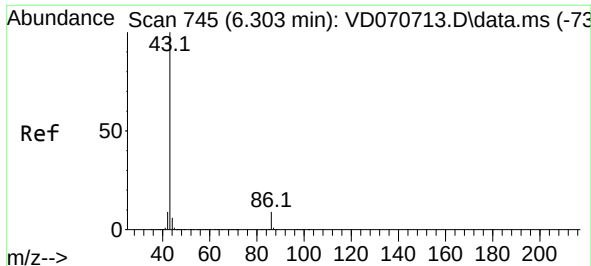
Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
58 28.5 28.2 42.2



#20
Methylene Chloride
Concen: 1.862 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion: 84 Resp: 56335
Ion Ratio Lower Upper
84 100
49 115.2 91.4 137.2
51 39.6 26.7 40.1
86 63.1 50.8 76.2

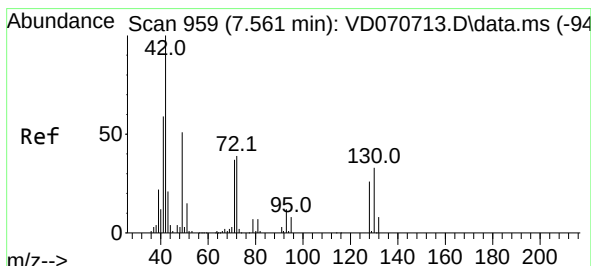
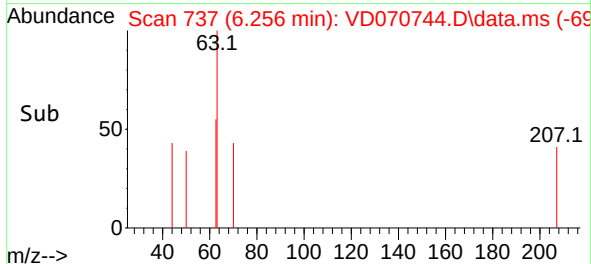
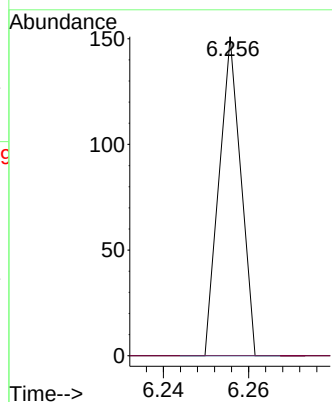
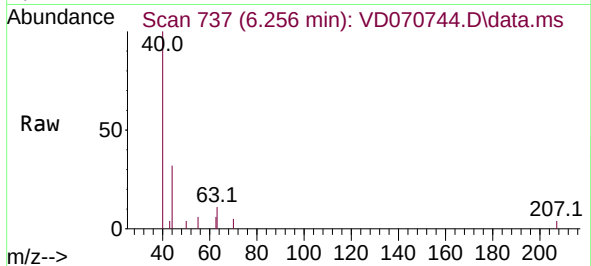




#23
 Vinyl Acetate
 Concen: 16.334 ug/l
 RT: 6.256 min Scan# 737
 Delta R.T. -0.047 min
 Lab File: VD070744.D
 Acq: 18 Oct 2021 21:57

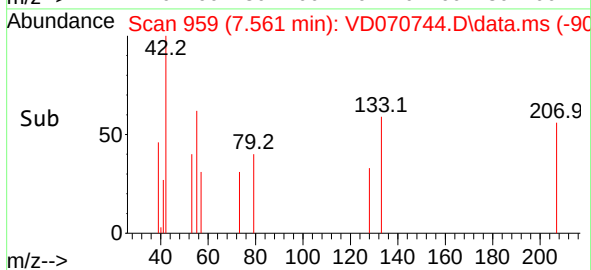
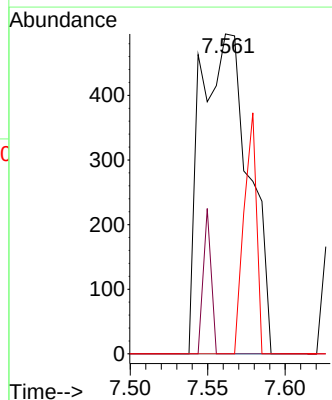
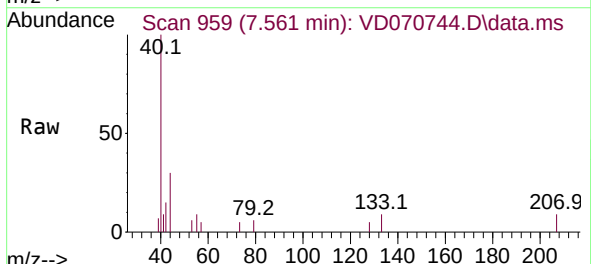
Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-4/2-WC

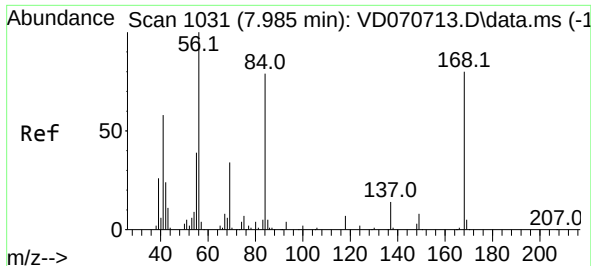
Tgt Ion: 43 Resp: 53
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#29
 Tetrahydrofuran
 Concen: 1.030 ug/l
 RT: 7.561 min Scan# 959
 Delta R.T. 0.000 min
 Lab File: VD070744.D
 Acq: 18 Oct 2021 21:57

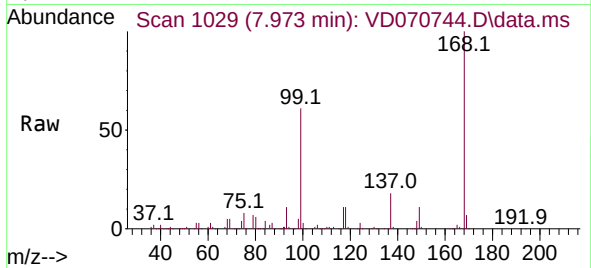
Tgt Ion: 42 Resp: 1073
 Ion Ratio Lower Upper
 42 100
 72 7.4 40.2 60.4#
 71 0.0 37.2 55.8#



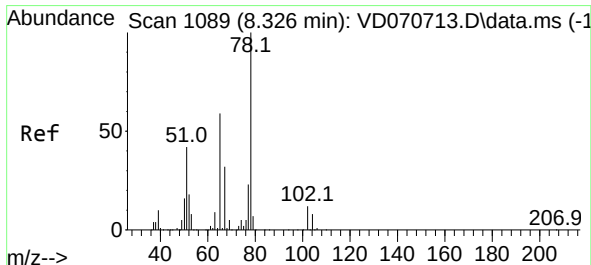
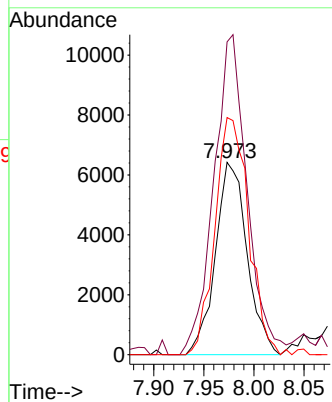
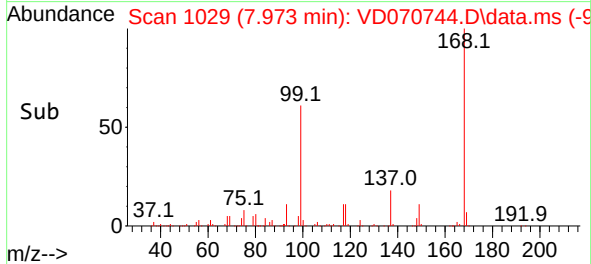


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

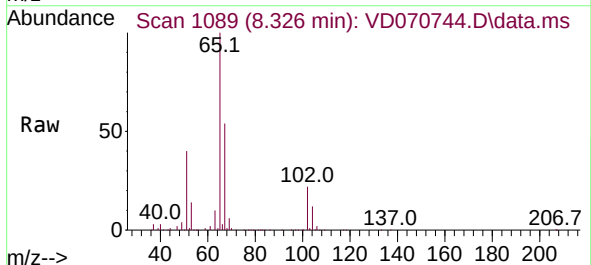
Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC



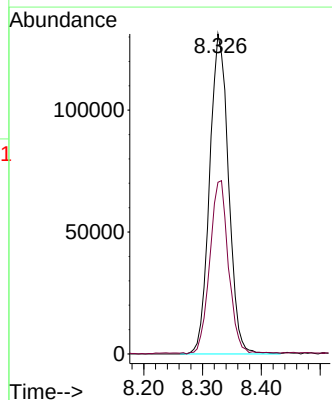
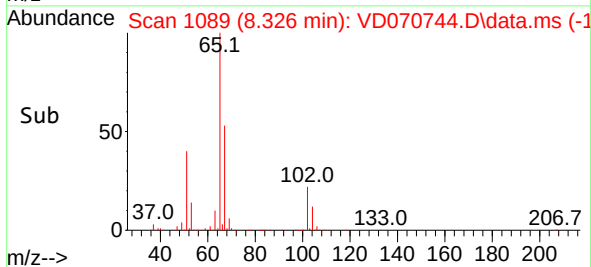
Tgt Ion: 56 Resp: 14107
Ion Ratio Lower Upper
56 100
69 162.7 27.4 41.2#
84 123.3 73.6 110.4#

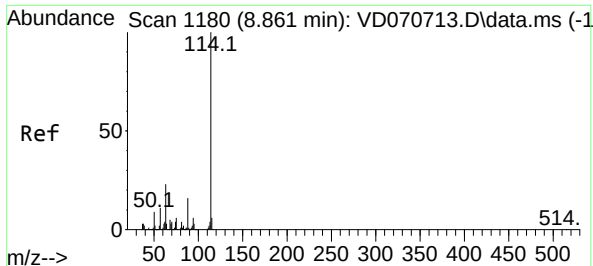


#33
1,2-Dichloroethane-d4
Concen: 51.302 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57



Tgt Ion: 65 Resp: 292883
Ion Ratio Lower Upper
65 100
67 54.0 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: VD070744.D

Acq: 18 Oct 2021 21:57

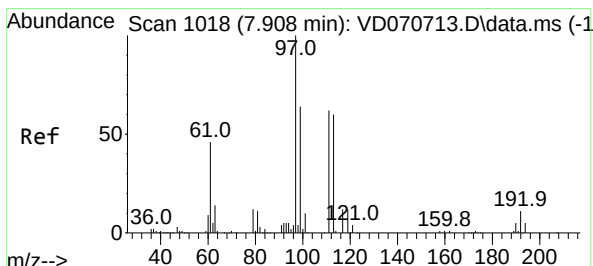
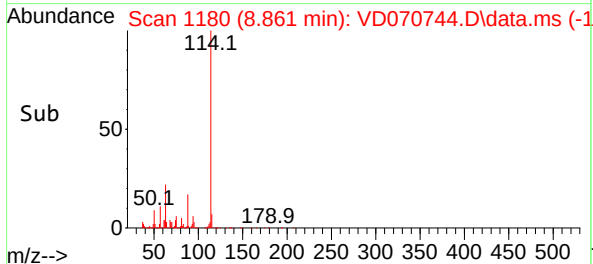
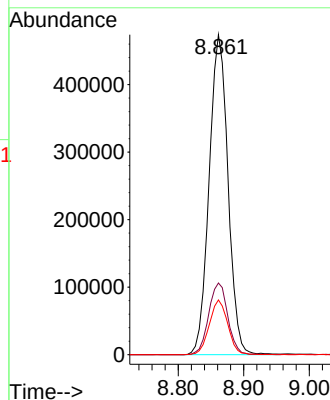
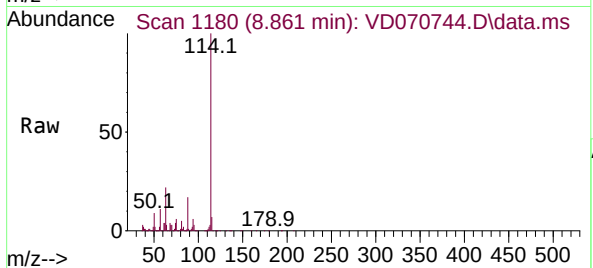
Tgt Ion:114 Resp: 948511

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 17.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.906 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070744.D

Acq: 18 Oct 2021 21:57

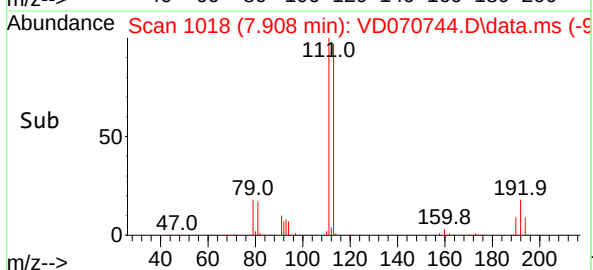
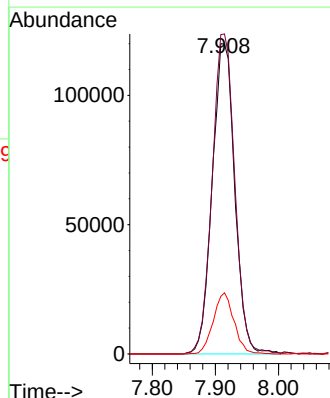
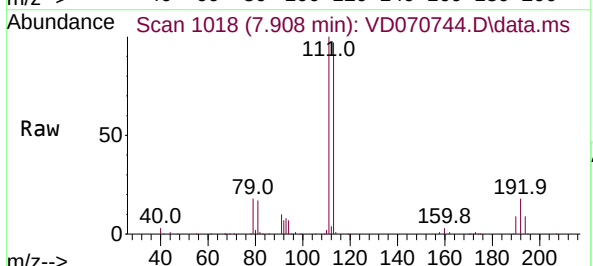
Tgt Ion:113 Resp: 297027

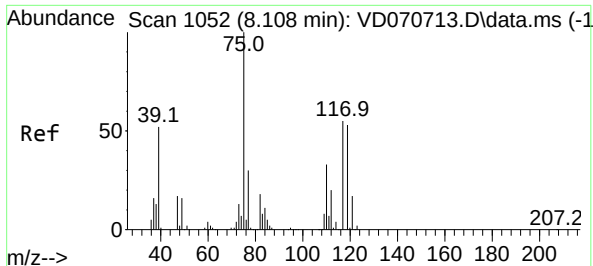
Ion Ratio Lower Upper

113 100

111 103.6 83.1 124.7

192 18.2 12.7 19.1

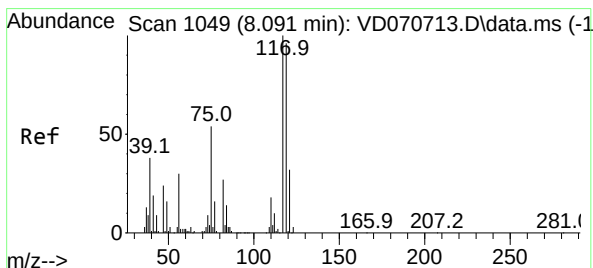
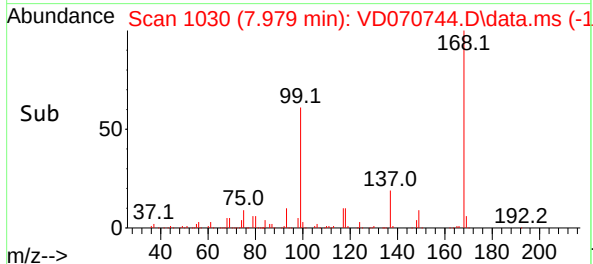
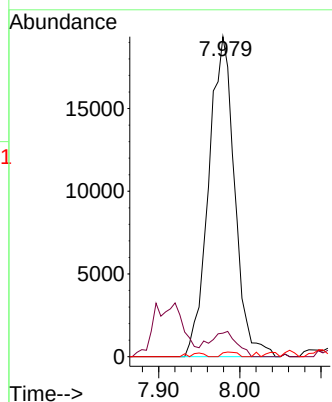
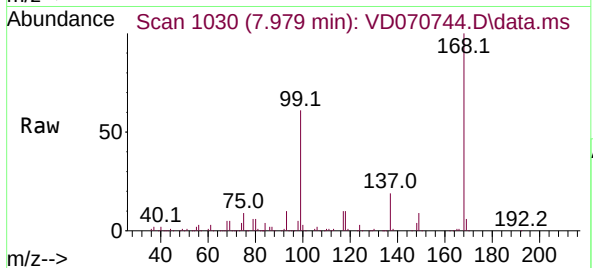




#36
1,1-Dichloropropene
Concen: 4.068 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

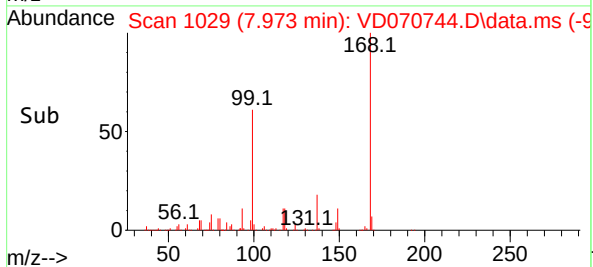
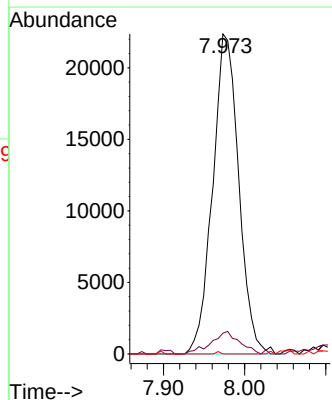
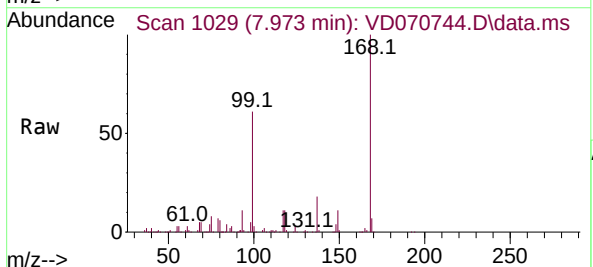
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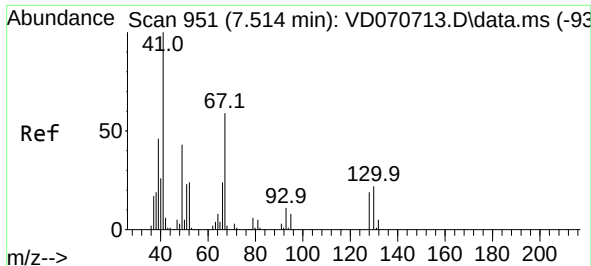
Tgt Ion: 75 Resp: 42988
Ion Ratio Lower Upper
75 100
110 8.2 17.2 51.6#
77 0.8 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 4.936 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion: 117 Resp: 49953
Ion Ratio Lower Upper
117 100
119 6.5 77.4 116.0#
121 0.0 25.4 38.0#

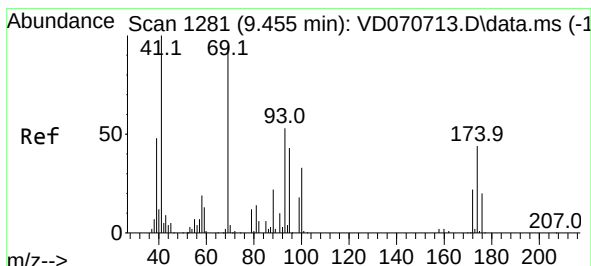
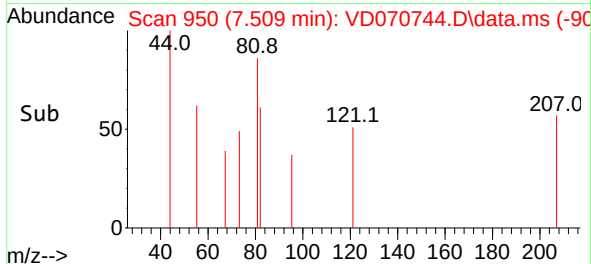
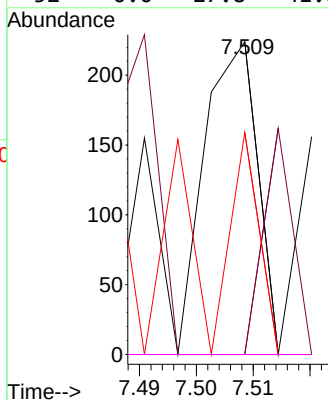
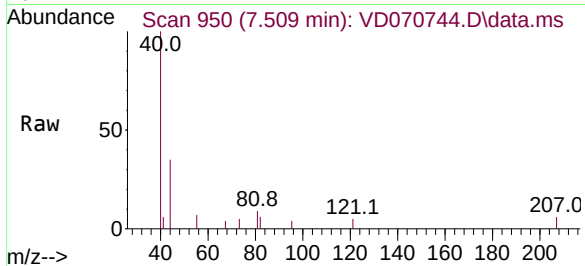




#41
Methacrylonitrile
Concen: 1.994 ug/l
RT: 7.509 min Scan# 950
Delta R.T. -0.005 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

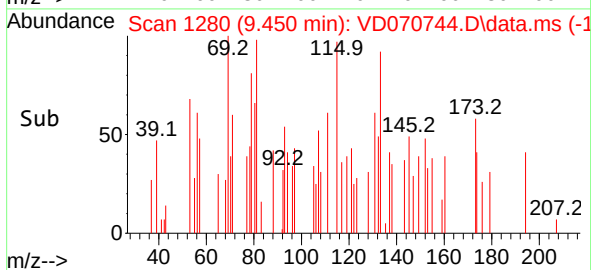
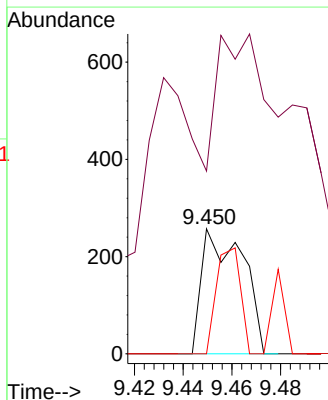
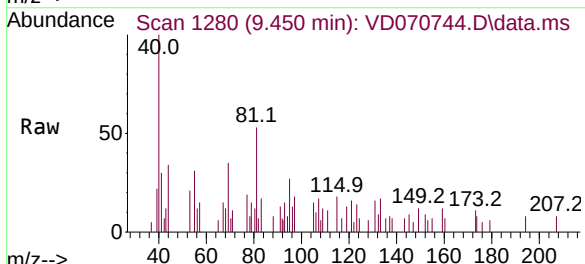
Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC

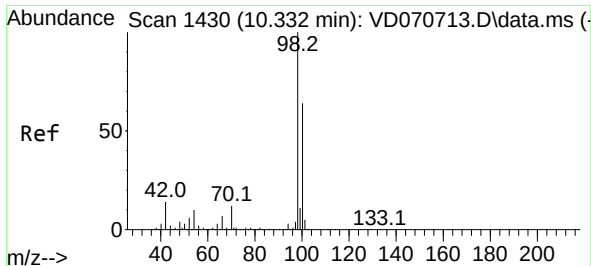
Tgt Ion:	41	Resp:	145
Ion	Ratio	Lower	Upper
41	100		
39	39.3	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#49
1,4-Dioxane
Concen: 7.281 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion:	88	Resp:	301
Ion	Ratio	Lower	Upper
88	100		
43	295.0	25.1	37.7#
58	49.5	57.4	86.0#

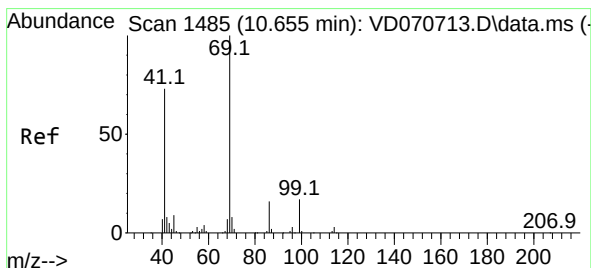
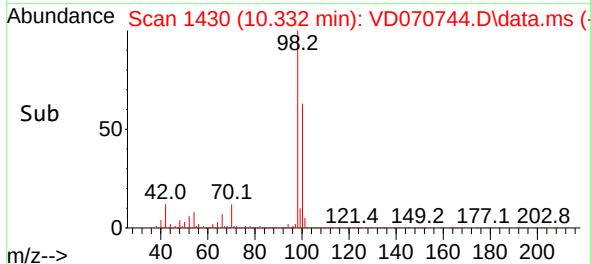
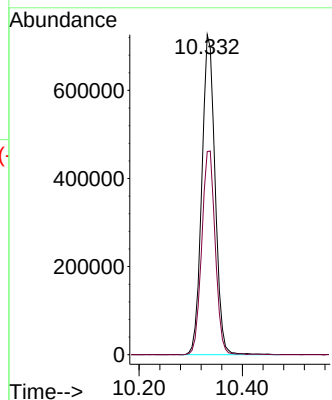
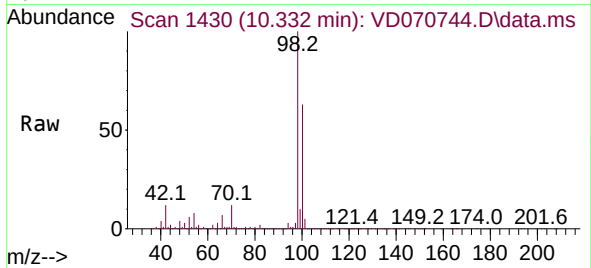




#50
Toluene-d8
Concen: 55.524 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

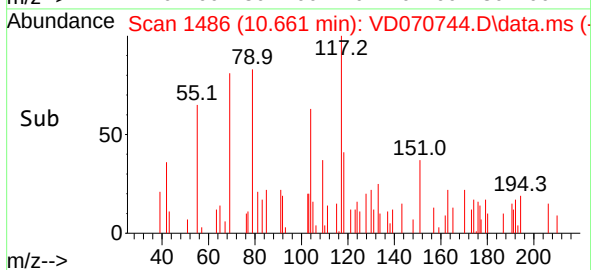
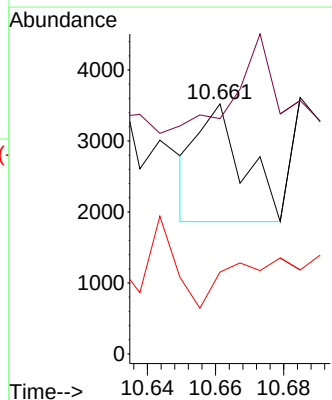
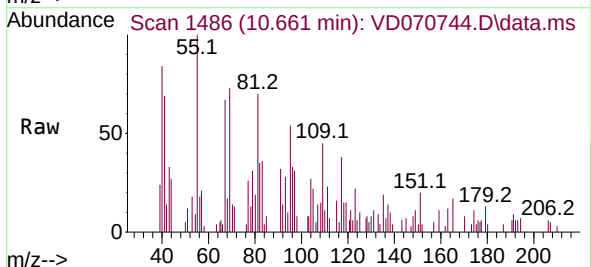
Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC

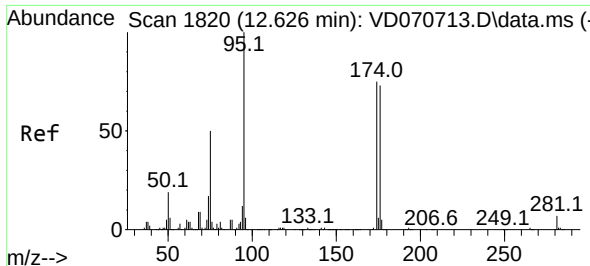
Tgt Ion: 98 Resp: 1292675
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.352 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion: 69 Resp: 1544
Ion Ratio Lower Upper
69 100
41 187.7 44.7 67.1#
39 0.0 19.5 29.3#

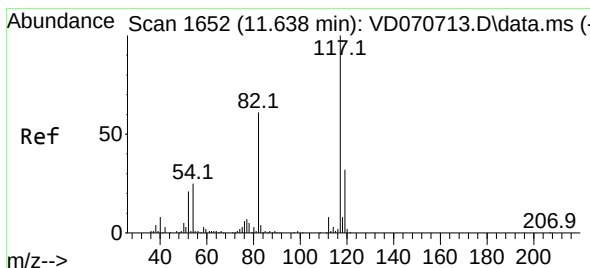
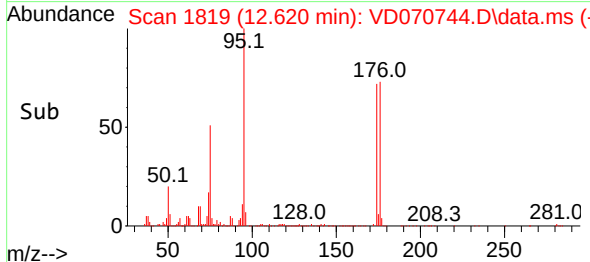
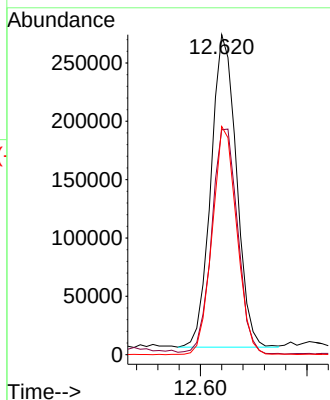
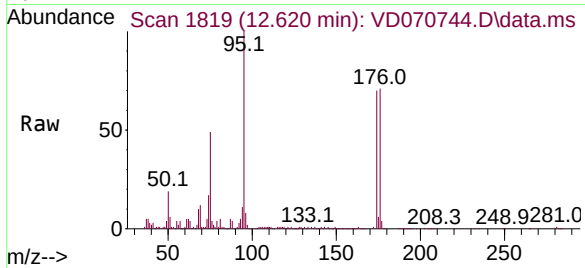




#62
4-Bromofluorobenzene
Concen: 55.427 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

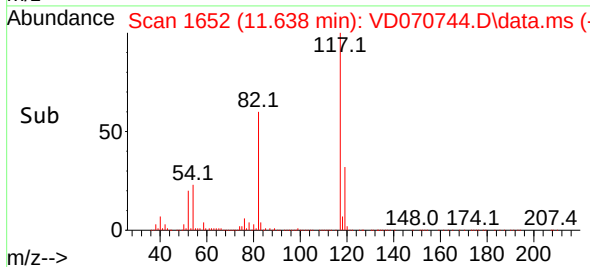
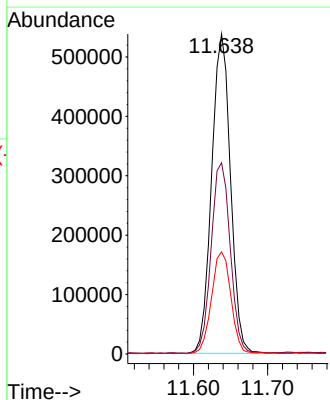
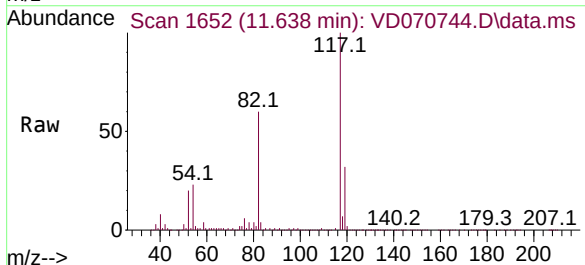
Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC

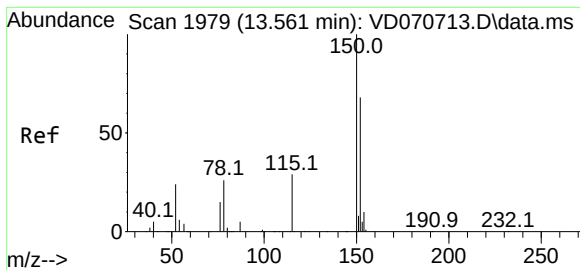
Tgt Ion:	95	Resp:	444327
Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	138.0
176	70.7	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion:	117	Resp:	949989
Ion	Ratio	Lower	Upper
117	100		
82	59.6	45.4	68.2
119	31.8	24.7	37.1

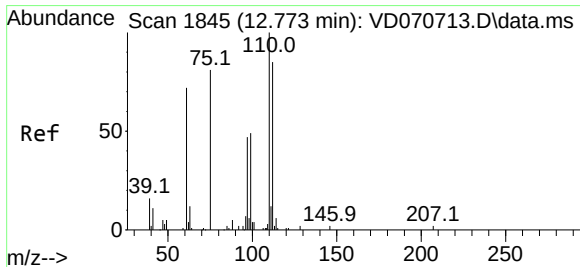
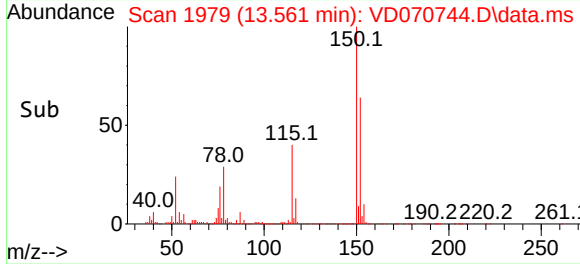
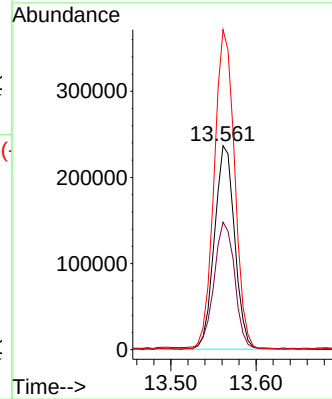
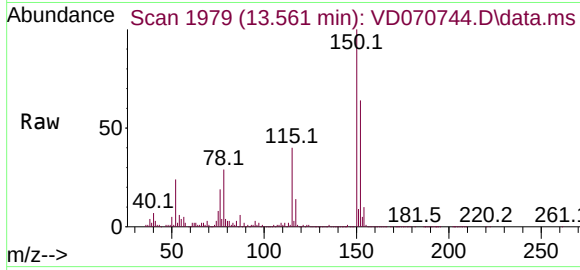




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070744.D
 Acq: 18 Oct 2021 21:57

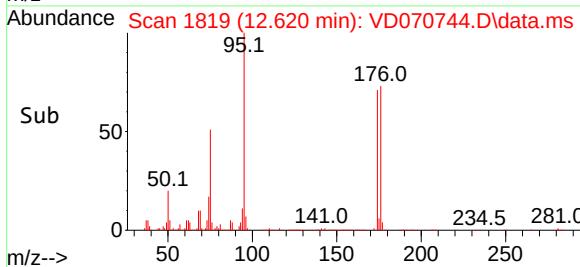
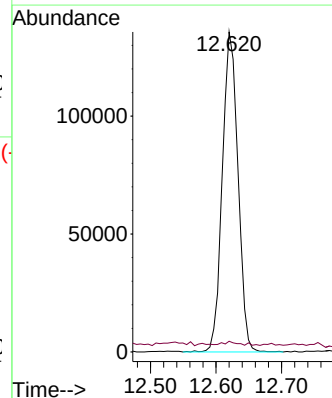
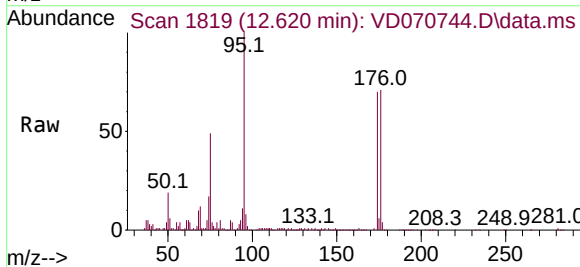
Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-4/2-WC

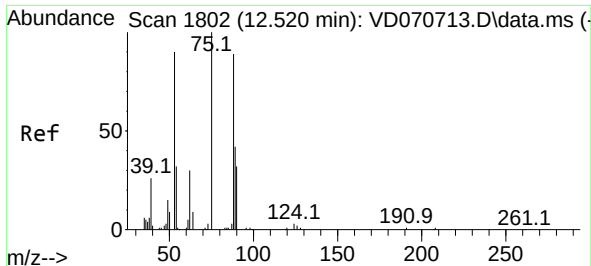
Tgt Ion:	152	Resp:	389379
Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.9	95.7
150	158.6	0.0	350.0



#76
 1,2,3-Trichloropropane
 Concen: 66.834 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070744.D
 Acq: 18 Oct 2021 21:57

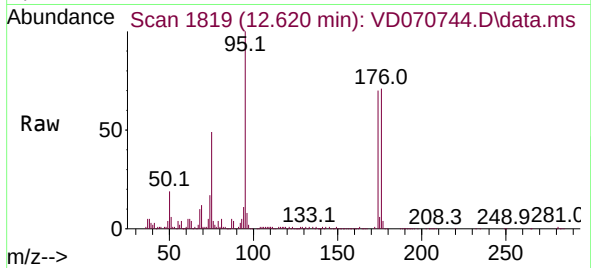
Tgt Ion:	75	Resp:	224833
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



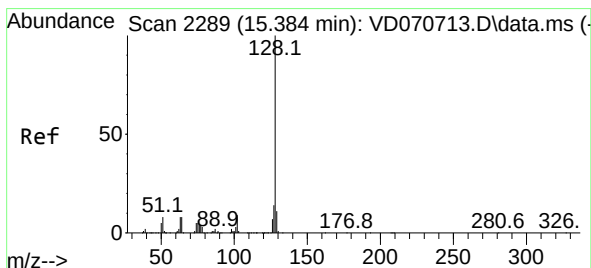
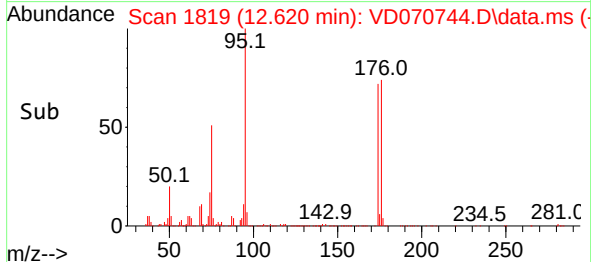
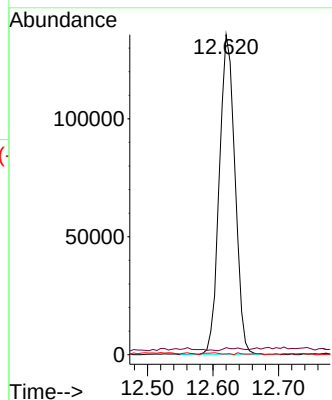


#81
trans-1,4-Dichloro-2-butene
Concen: 146.386 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Instrument :
MSVOA_D
ClientSampleId :
R-LA-4/2-WC



Tgt Ion: 75 Resp: 224833
Ion Ratio Lower Upper
75 100
53 0.9 64.5 96.7#
89 0.2 35.3 52.9#



#95
Naphthalene
Concen: 4.916 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070744.D
Acq: 18 Oct 2021 21:57

Tgt Ion: 128 Resp: 1726
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 68.2 8.6 12.8#

