

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070728.D
 Acq On : 18 Oct 2021 14:23
 Operator : VA/SY
 Sample : M4249-04RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-(D)

Quant Time: Oct 19 06:40:35 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)

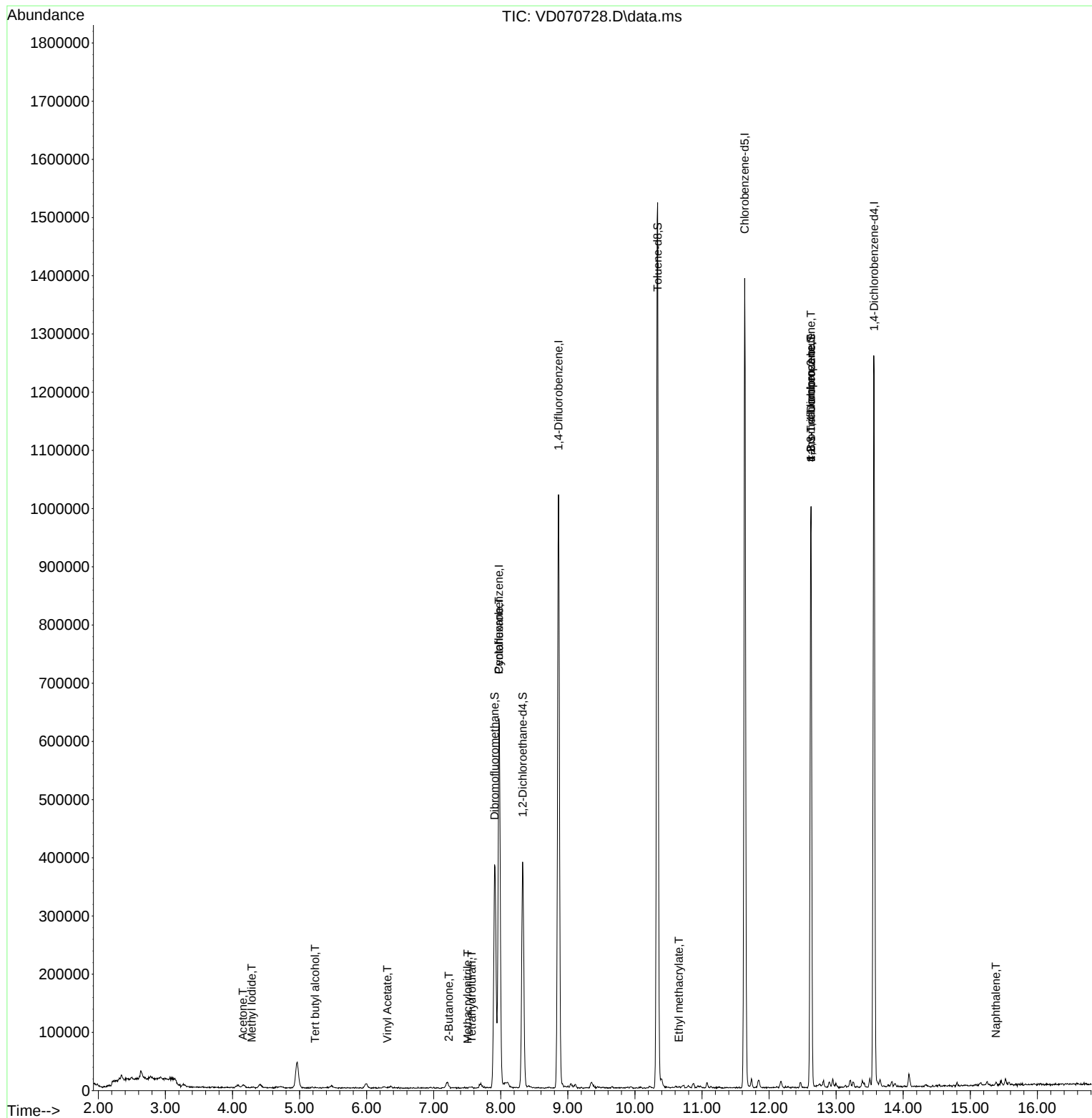
Internal Standards						
1) Pentafluorobenzene	7.973	168	438311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	818873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	765953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	327077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	302747	58.316	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.640%	
35) Dibromofluoromethane	7.908	113	278765	53.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.340%	
50) Toluene-d8	10.338	98	1037523	51.620	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	12.626	95	338502	48.911	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.285	142	1064	3.501	ug/l #	51
11) Tert butyl alcohol	5.232	59	358	1.232	ug/l #	83
16) Acetone	4.156	43	8077	6.450	ug/l	100
20) Methylene Chloride	4.961	84	30792	Below Cal		93
23) Vinyl Acetate	6.308	43	596	16.389	ug/l #	69
25) 2-Butanone	7.226	43	1764	1.140	ug/l #	43
29) Tetrahydrofuran	7.567	42	1091	1.152	ug/l #	72
31) Cyclohexane	7.973	56	13635	1.298	ug/l #	16
41) Methacrylonitrile	7.508	41	525	2.155	ug/l #	37
56) Ethyl methacrylate	10.655	69	864	4.283	ug/l #	81
76) 1,2,3-Trichloropropane	12.626	75	171560	60.712	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	171560	132.977	ug/l #	17
95) Naphthalene	15.384	128	3067	5.055	ug/l #	86

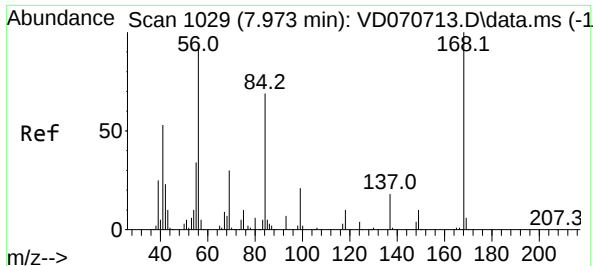
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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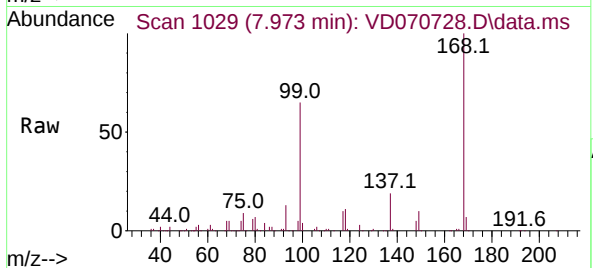
Quant Time: Oct 19 06:40:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
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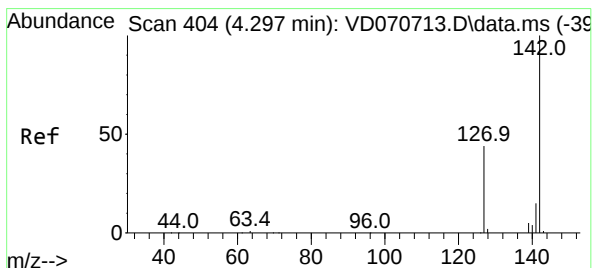
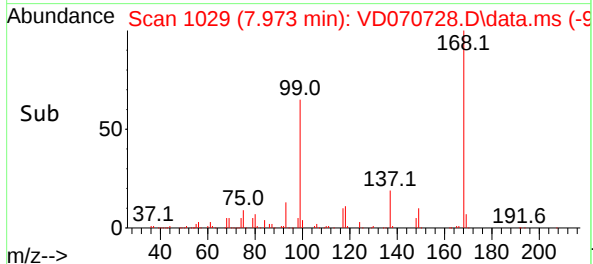
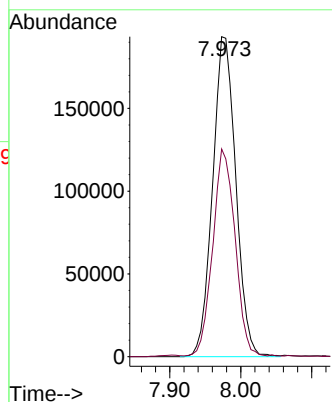


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :
TP1-(D)

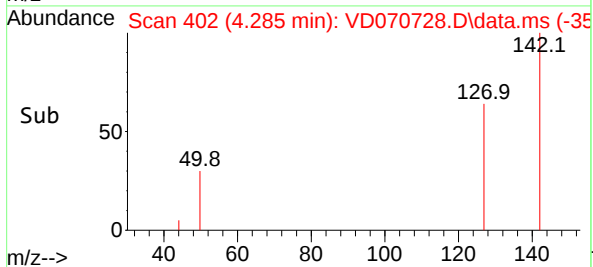
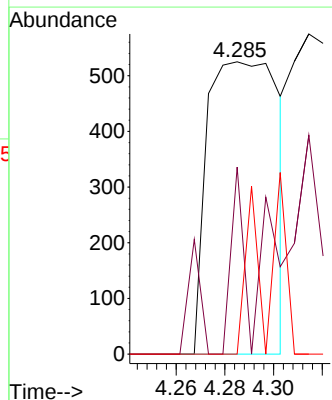
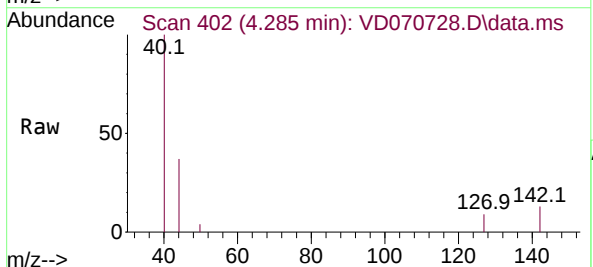


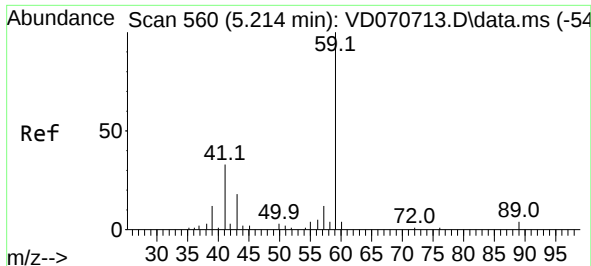
Tgt Ion:168 Resp: 438311
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#10
Methyl Iodide
Concen: 3.501 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Tgt Ion:142 Resp: 1064
Ion Ratio Lower Upper
142 100
127 11.2 37.5 56.3#
141 0.0 12.1 18.1#



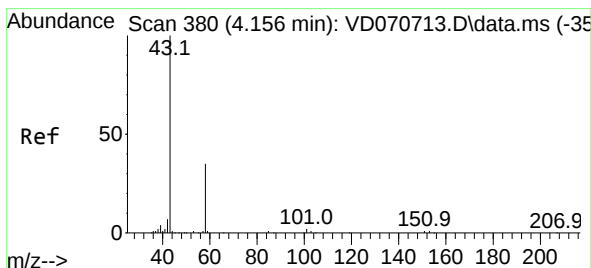
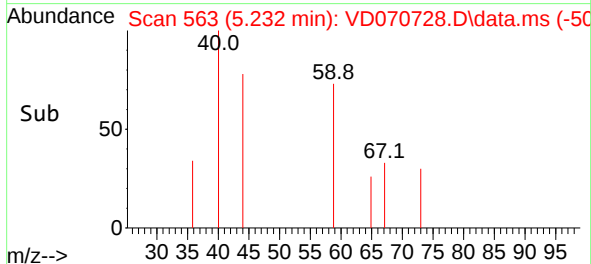
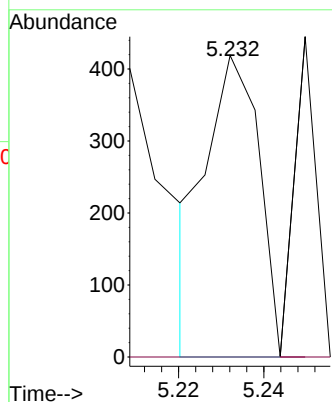
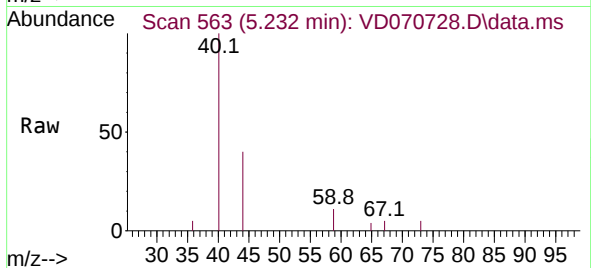


#11

Tert butyl alcohol
Concen: 1.232 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.018 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :
TP1-(D)

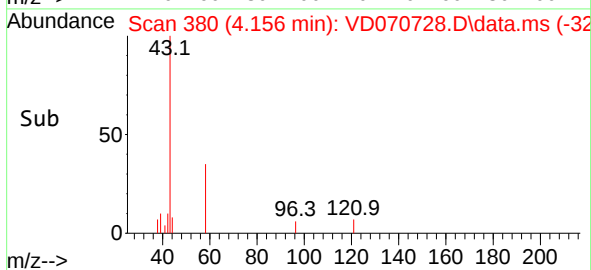
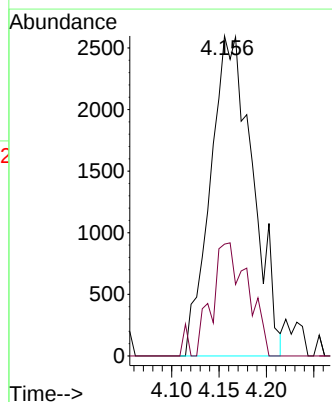
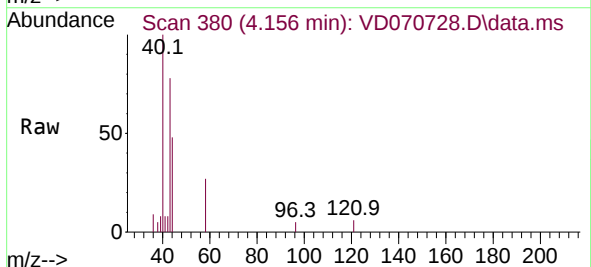
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

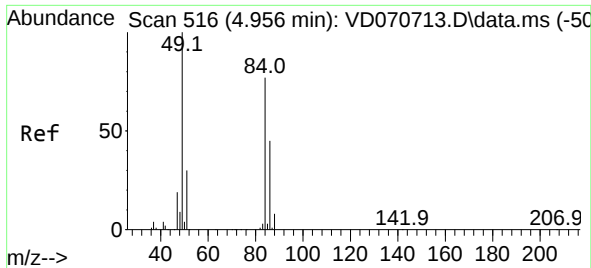


#16

Acetone
Concen: 6.450 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

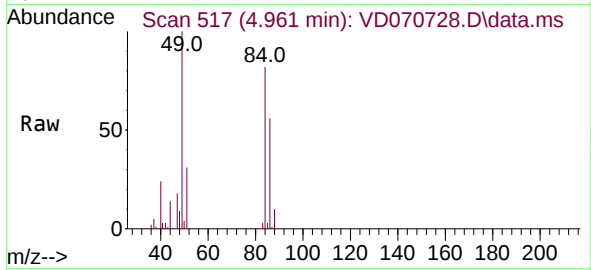
Tgt Ion: 43 Resp: 8077
Ion Ratio Lower Upper
43 100
58 35.0 28.2 42.2



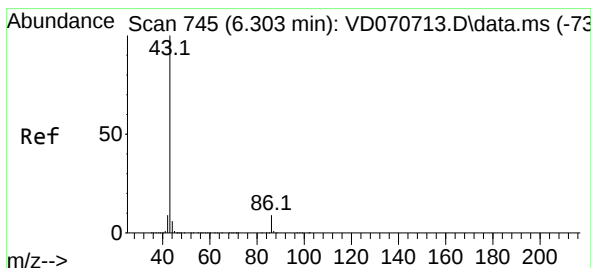
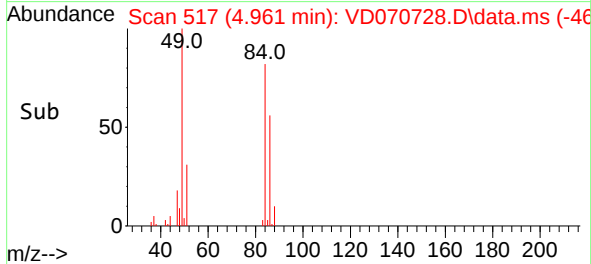
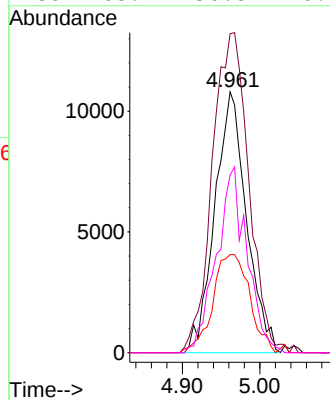


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Instrument :
MSVOA_D
ClientSampleID :
TP1-(D)

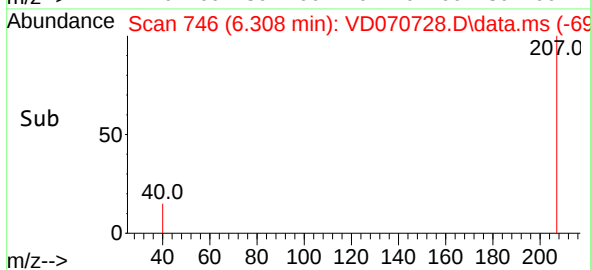
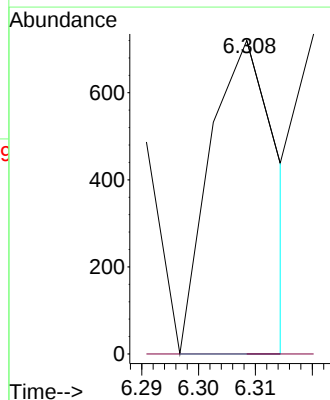
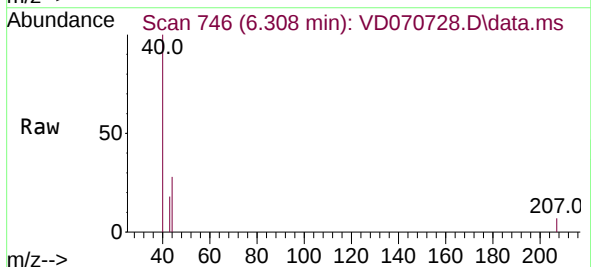


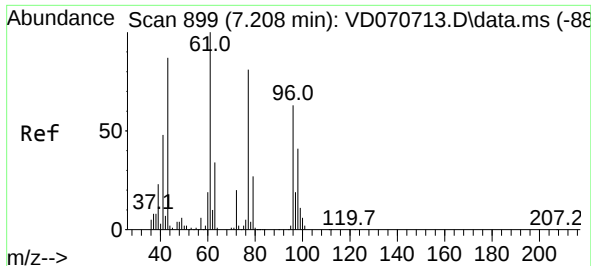
Tgt Ion:	84	Resp:	30792
Ion	Ratio	Lower	Upper
84	100		
49	122.3	91.4	137.2
51	37.6	26.7	40.1
86	68.2	50.8	76.2



#23
Vinyl Acetate
Concen: 16.389 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Tgt Ion:	43	Resp:	596
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

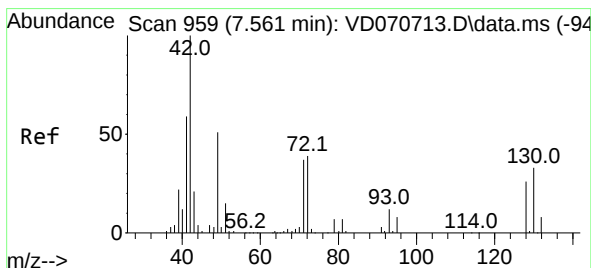
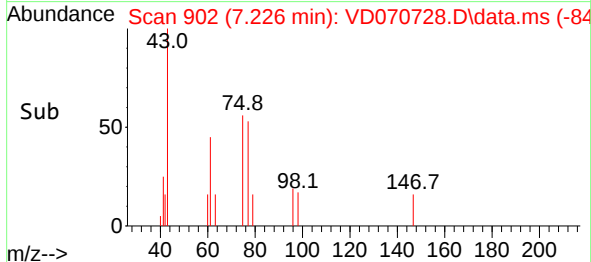
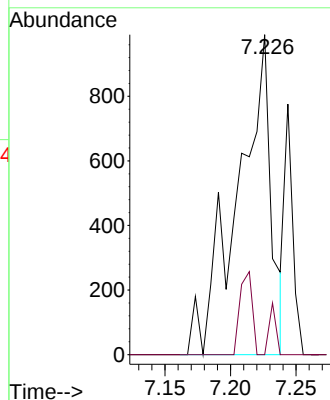
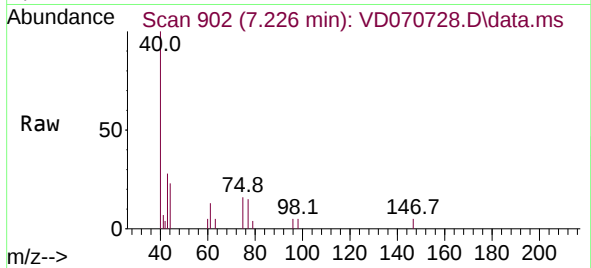




#25
2-Butanone
Concen: 1.140 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.018 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

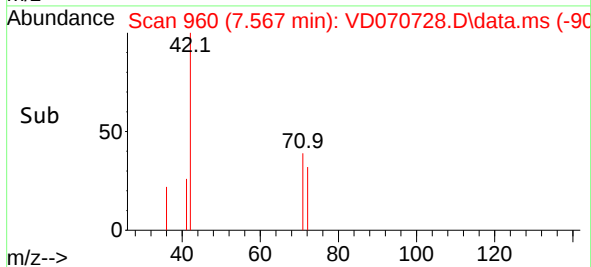
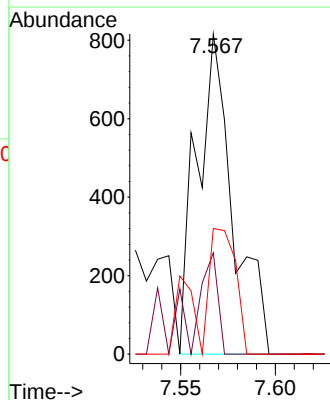
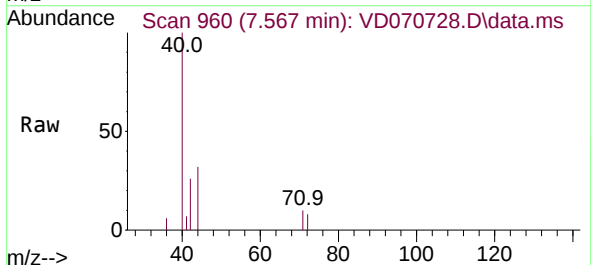
Instrument :
MSVOA_D
ClientSampleId :
TP1-(D)

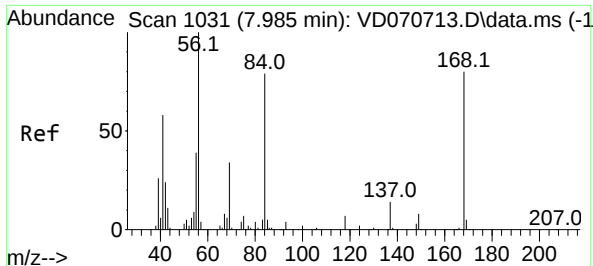
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#



#29
Tetrahydrofuran
Concen: 1.152 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Tgt Ion: 42 Resp: 1091
Ion Ratio Lower Upper
42 100
72 19.6 40.2 60.4#
71 40.0 37.2 55.8





#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070728.D

Acq: 18 Oct 2021 14:23

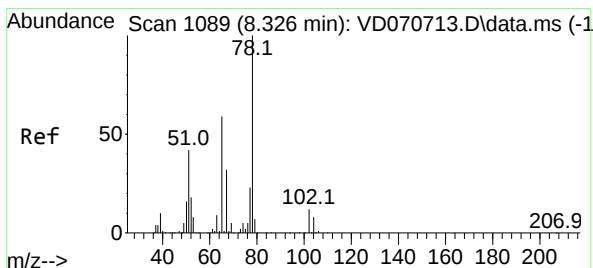
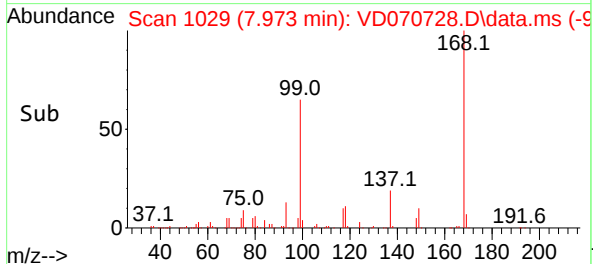
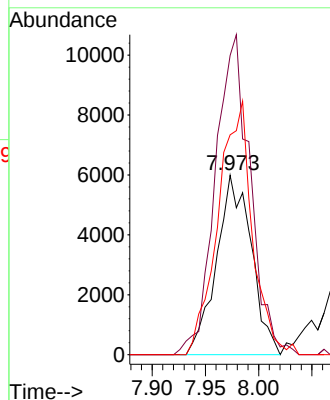
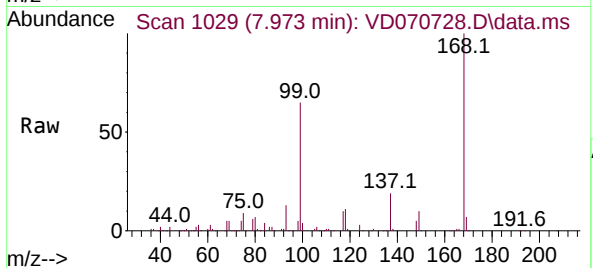
Instrument :

MSVOA_D

ClientSampleId :

TP1-(D)

Tgt Ion: 56	Resp: 13635
Ion Ratio	Lower Upper
56	100
69	163.9 27.4 41.2#
84	122.5 73.6 110.4#



#33

1,2-Dichloroethane-d4

Concen: 58.316 ug/l

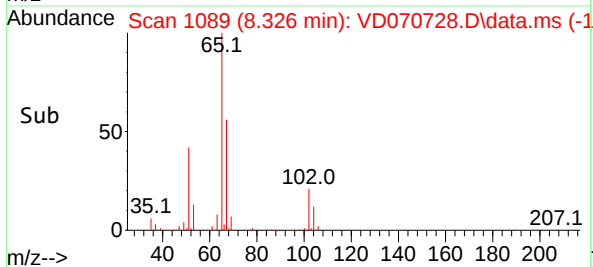
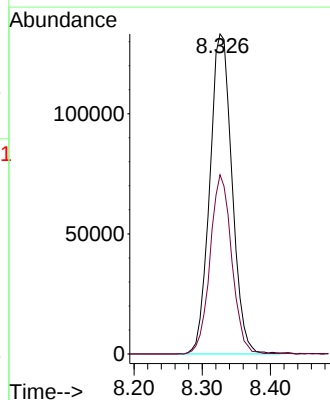
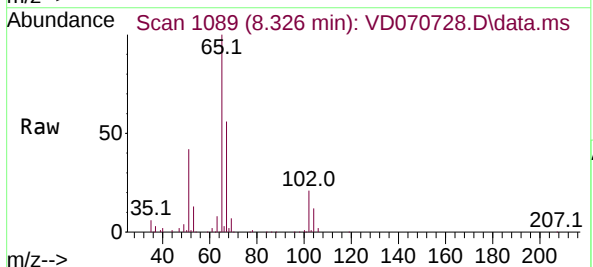
RT: 8.326 min Scan# 1089

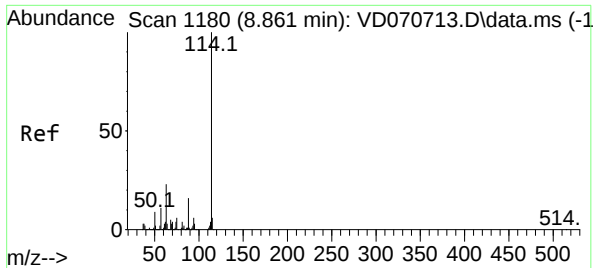
Delta R.T. 0.000 min

Lab File: VD070728.D

Acq: 18 Oct 2021 14:23

Tgt Ion: 65	Resp: 302747
Ion Ratio	Lower Upper
65	100
67	54.5 0.0 110.2

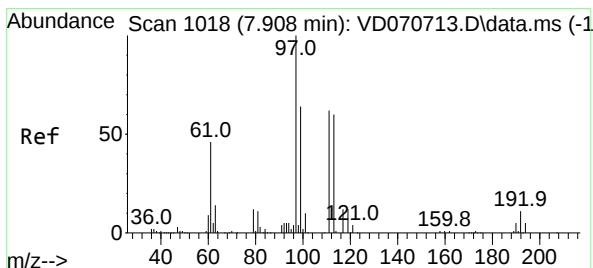
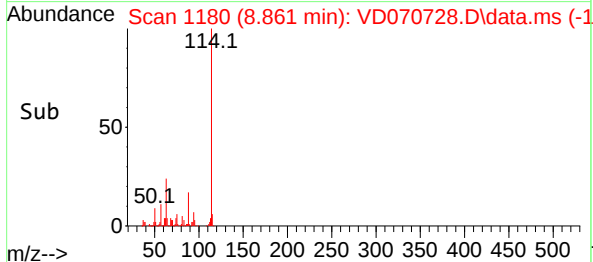
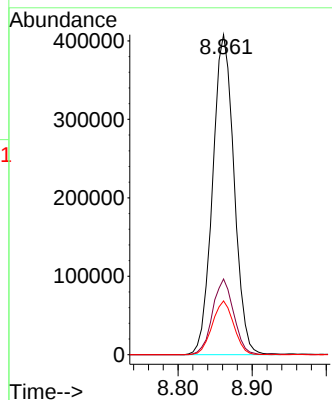
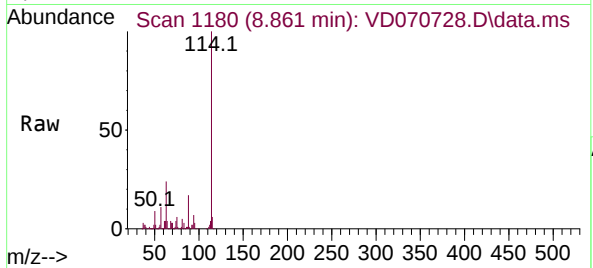




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

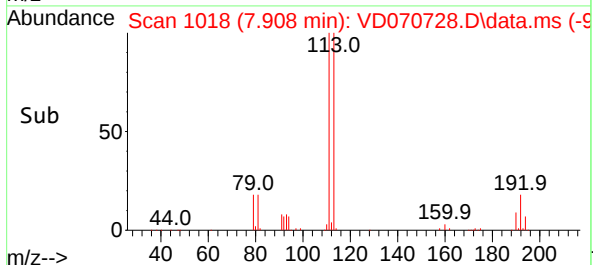
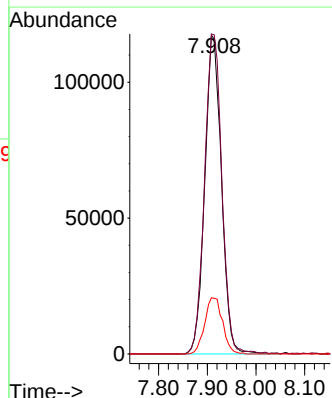
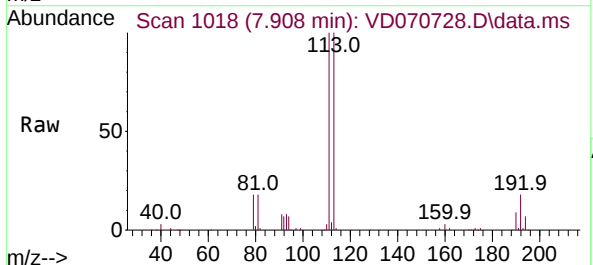
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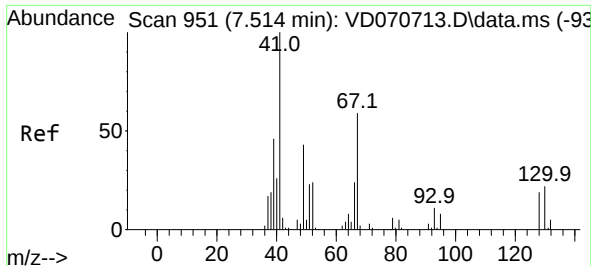
Tgt Ion:	114	Resp:	818873
Ion Ratio	Lower	Upper	
114	100		
63	23.6	0.0	41.8
88	16.8	0.0	32.6



#35
Dibromofluoromethane
Concen: 53.166 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Tgt Ion:	113	Resp:	278765
Ion Ratio	Lower	Upper	
113	100		
111	104.1	83.1	124.7
192	18.9	12.7	19.1

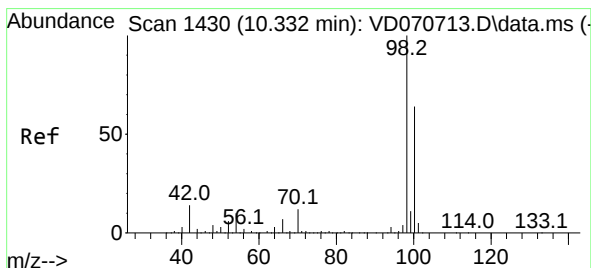
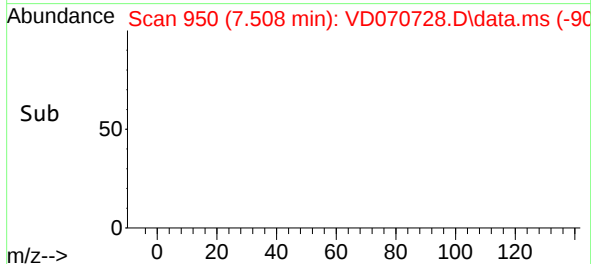
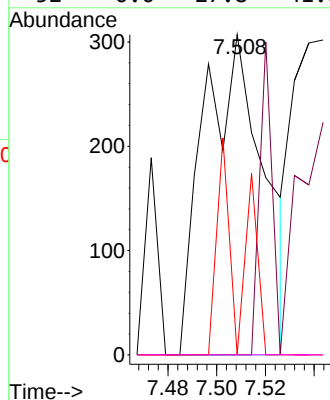
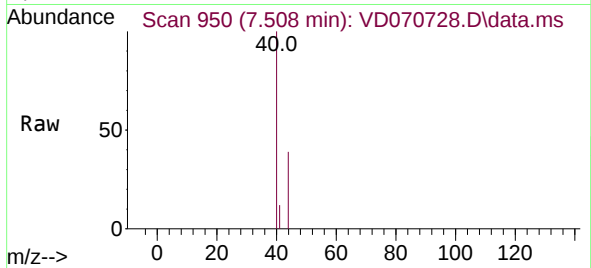




#41
Methacrylonitrile
Concen: 2.155 ug/l
RT: 7.508 min Scan# 950
Delta R.T. -0.006 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

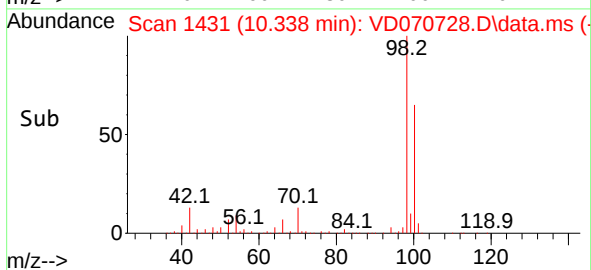
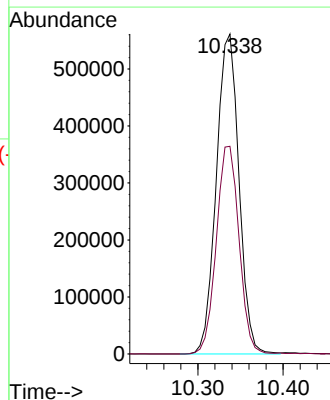
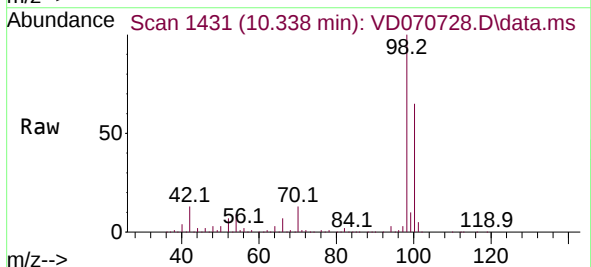
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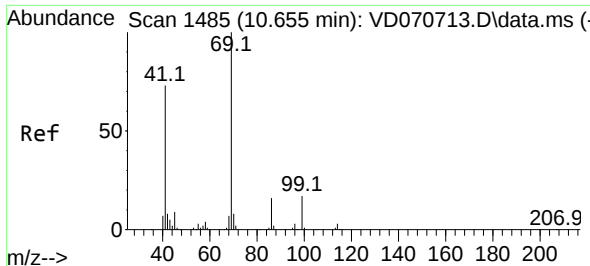
Tgt Ion:	41	Resp:	525
Ion	Ratio	Lower	Upper
41	100		
39	20.2	45.2	67.8#
67	25.7	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 51.620 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Tgt Ion:	98	Resp:	1037523
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.4

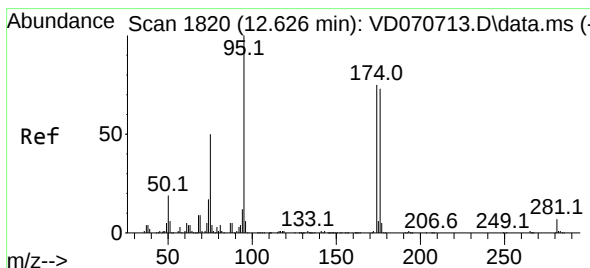
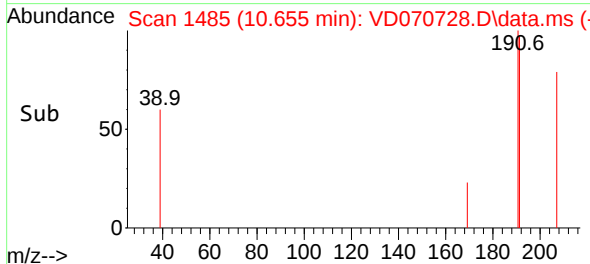
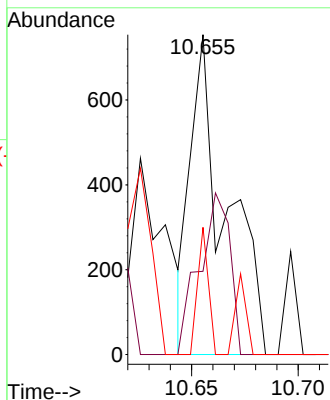
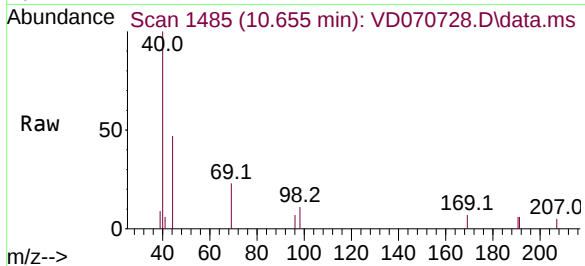




#56
Ethyl methacrylate
Concen: 4.283 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

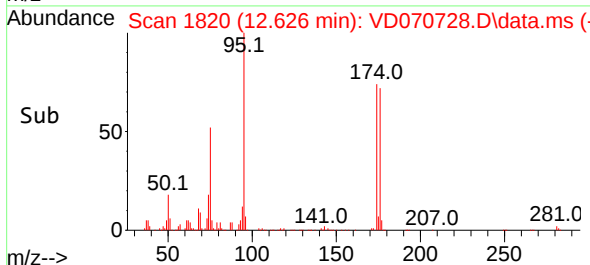
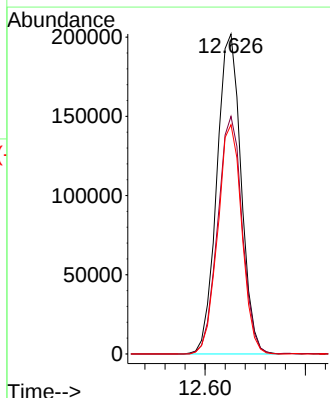
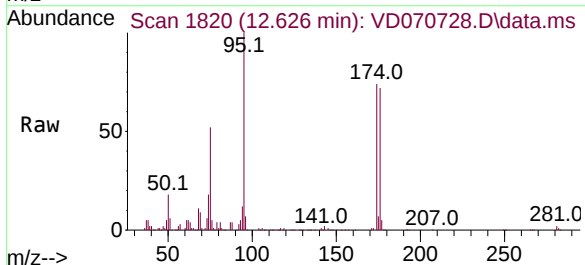
Instrument :
MSVOA_D
ClientSampleID :
TP1-(D)

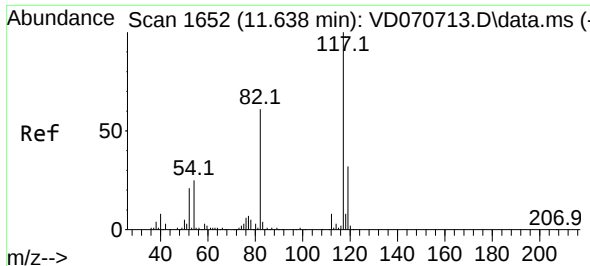
Tgt Ion:	69	Resp:	864
Ion	Ratio	Lower	Upper
69	100		
41	44.1	44.7	67.1#
39	12.3	19.5	29.3#



#62
4-Bromofluorobenzene
Concen: 48.911 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

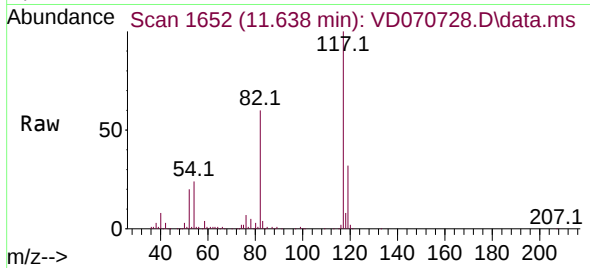
Tgt Ion:	95	Resp:	338502
Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	138.0
176	71.1	0.0	135.6



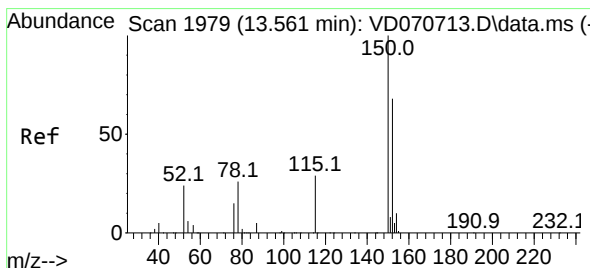
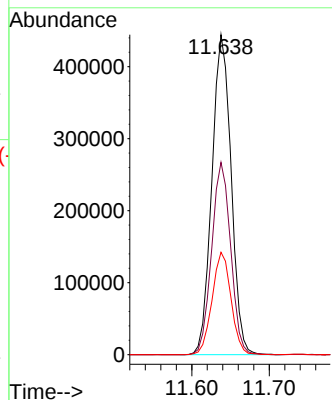
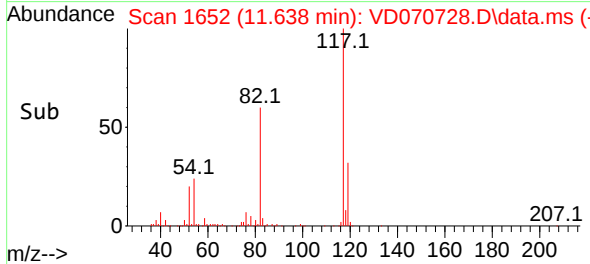


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

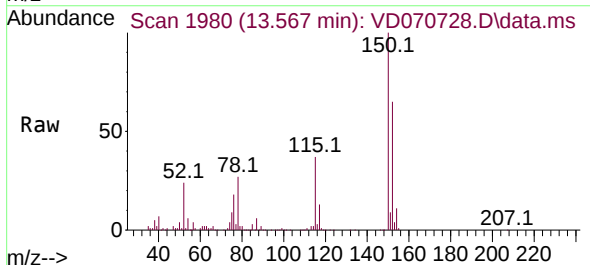
Instrument :
MSVOA_D
ClientSampleId :
TP1-(D)



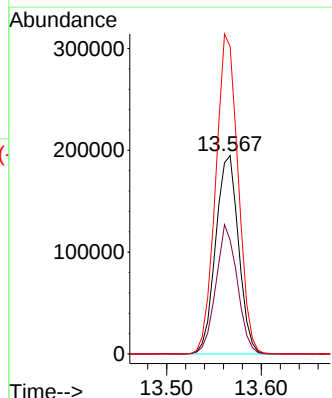
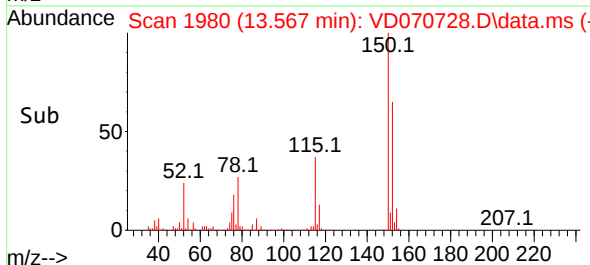
Tgt Ion:117 Resp: 765953
Ion Ratio Lower Upper
117 100
82 60.1 45.4 68.2
119 32.0 24.7 37.1

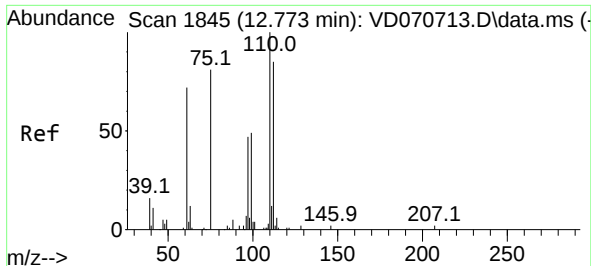


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23



Tgt Ion:152 Resp: 327077
Ion Ratio Lower Upper
152 100
115 60.9 31.9 95.7
150 158.1 0.0 350.0

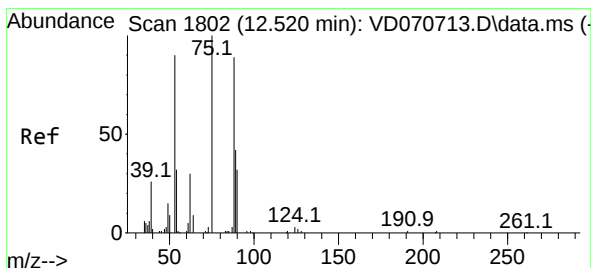
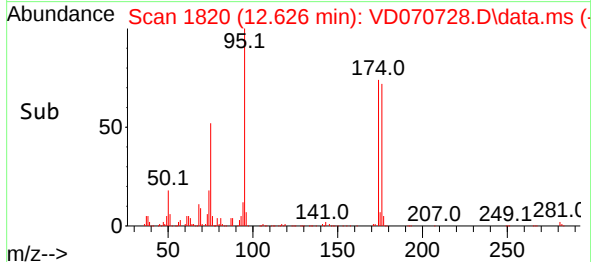
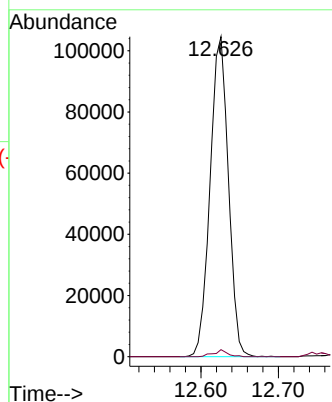
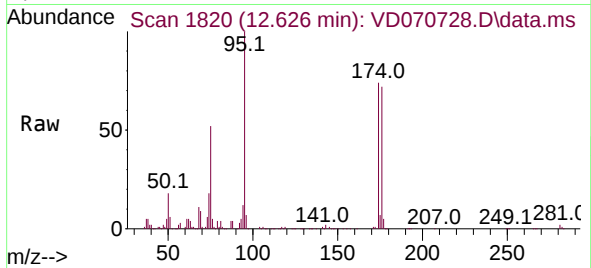




#76
1,2,3-Trichloropropane
Concen: 60.712 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

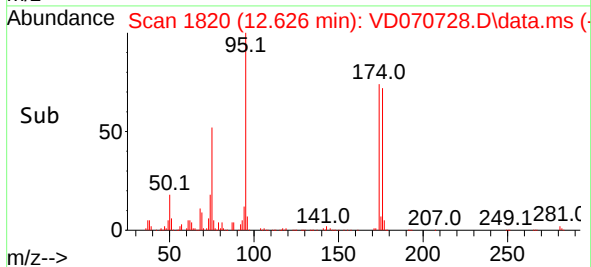
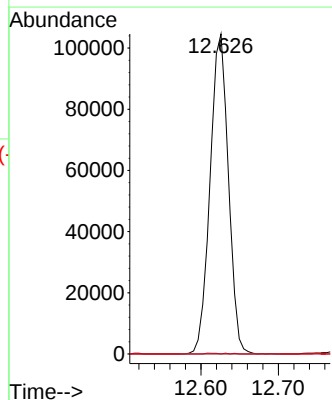
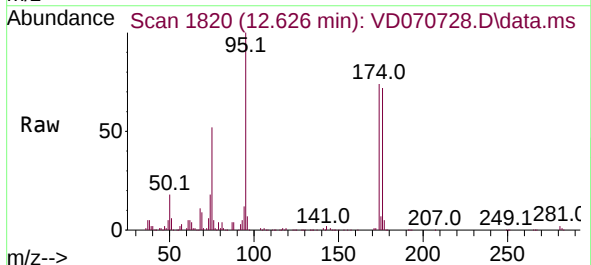
Instrument :
MSVOA_D
ClientSampleId :
TP1-(D)

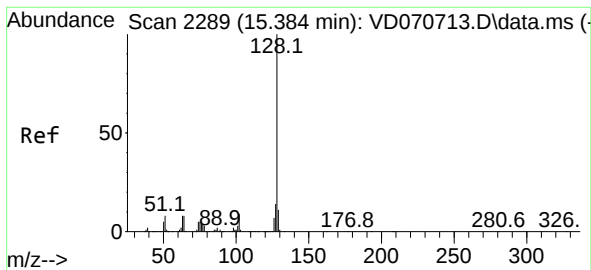
Tgt Ion: 75 Resp: 171560
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.977 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

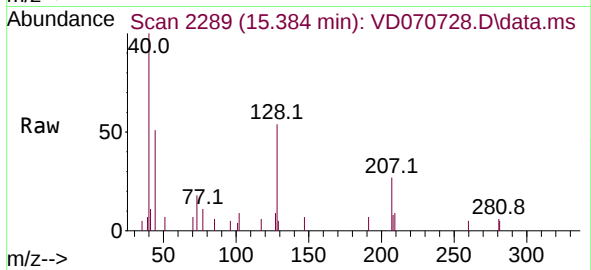
Tgt Ion: 75 Resp: 171560
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 5.055 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070728.D
Acq: 18 Oct 2021 14:23

Instrument :
MSVOA_D
ClientSampleId :
TP1-(D)



Tgt Ion:128 Resp: 3067
Ion Ratio Lower Upper
128 100
127 16.5 10.9 16.3#
129 2.4 8.6 12.8#

