

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070791.D
 Acq On : 21 Oct 2021 10:34
 Operator : VA/SY
 Sample : VD1021SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:11:35 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)

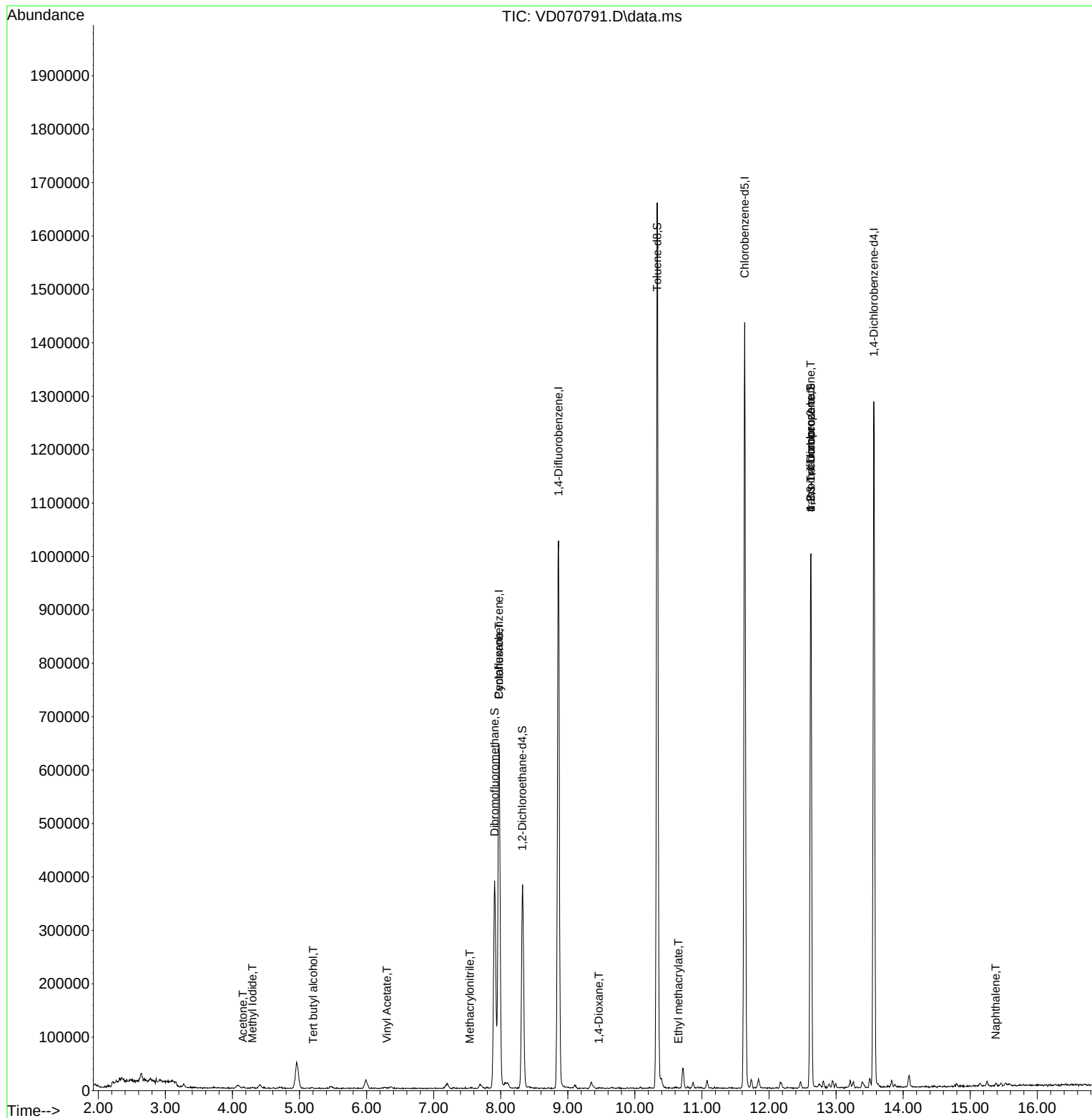
Internal Standards						
1) Pentafluorobenzene	7.973	168	450064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	824518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	788600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	331896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	301402	56.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.080%
35) Dibromofluoromethane	7.909	113	272790	51.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.340%
50) Toluene-d8	10.332	98	1071932	52.967	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.940%
62) 4-Bromofluorobenzene	12.620	95	340378	48.845	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.700%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.297	142	1796	3.618	ug/l #	68
11) Tert butyl alcohol	5.203	59	1154	3.867	ug/l #	83
16) Acetone	4.156	43	3020	2.349	ug/l #	73
20) Methylene Chloride	4.956	84	36115	Below Cal	#	93
23) Vinyl Acetate	6.303	43	1337	16.460	ug/l #	69
31) Cyclohexane	7.973	56	15778	1.463	ug/l #	1
41) Methacrylonitrile	7.538	41	143	2.001	ug/l #	32
49) 1,4-Dioxane	9.461	88	72	2.003	ug/l #	76
56) Ethyl methacrylate	10.650	69	486	4.227	ug/l #	60
76) 1,2,3-Trichloropropane	12.620	75	174161	60.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	174161	133.033	ug/l #	17
95) Naphthalene	15.379	128	3935	5.124	ug/l #	89

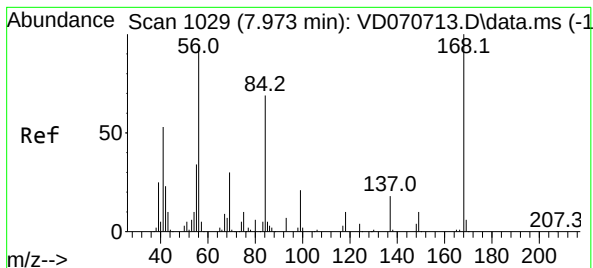
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD070791.D

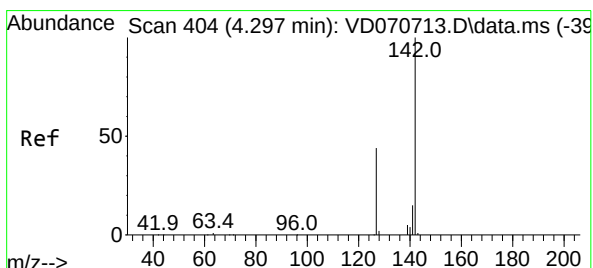
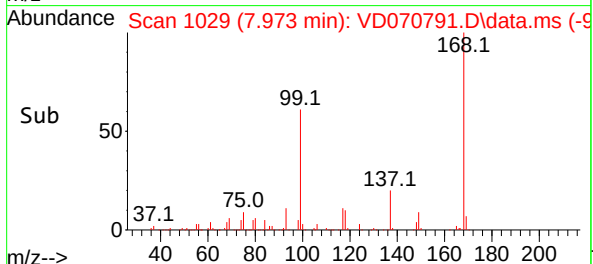
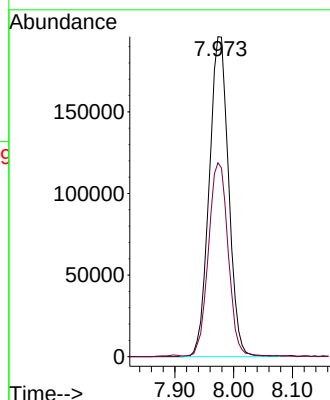
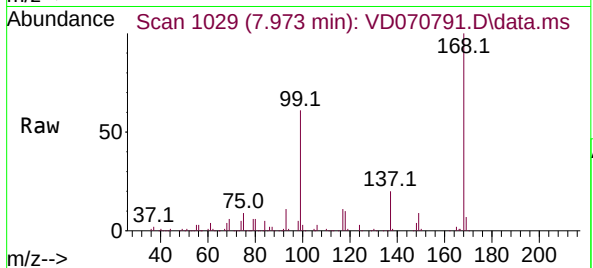
Acq: 21 Oct 2021 10:34

Tgt Ion:168 Resp: 450064

Ion Ratio Lower Upper

168 100

99 60.3 51.4 77.0



#10

Methyl Iodide

Concen: 3.618 ug/l

RT: 4.297 min Scan# 404

Delta R.T. -0.000 min

Lab File: VD070791.D

Acq: 21 Oct 2021 10:34

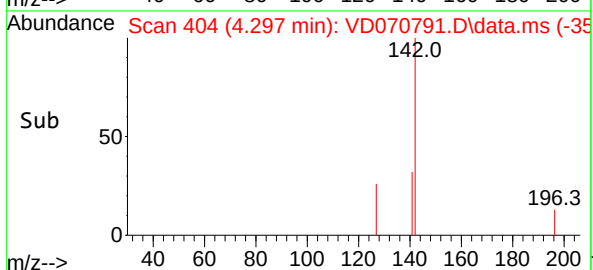
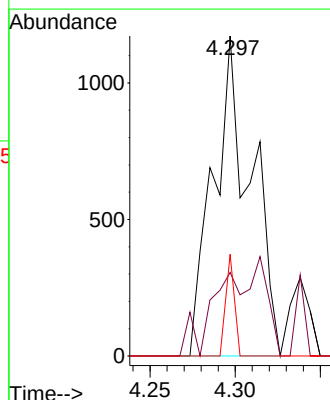
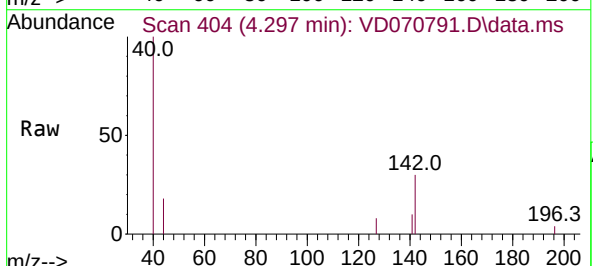
Tgt Ion:142 Resp: 1796

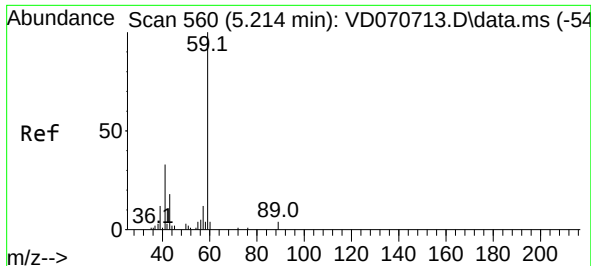
Ion Ratio Lower Upper

142 100

127 22.3 37.5 56.3#

141 7.3 12.1 18.1#



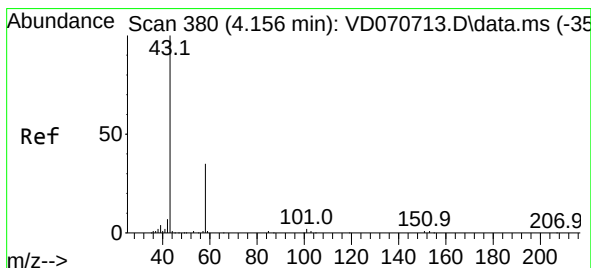
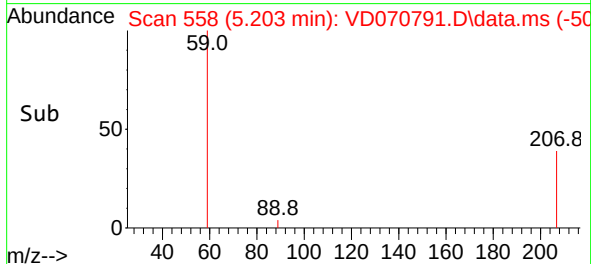
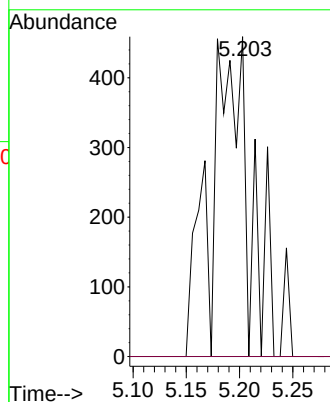
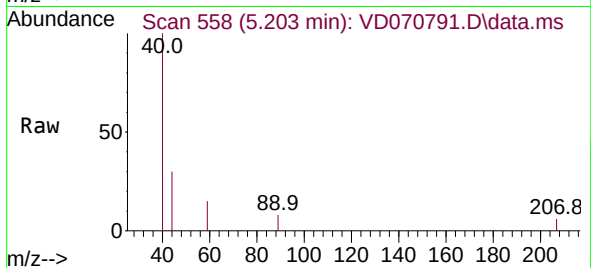


#11

Tert butyl alcohol
Concen: 3.867 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Instrument :
MSVOA_D
ClientSampled :

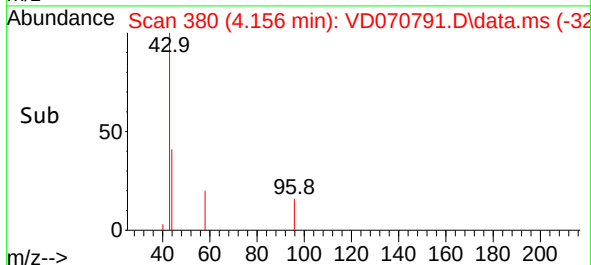
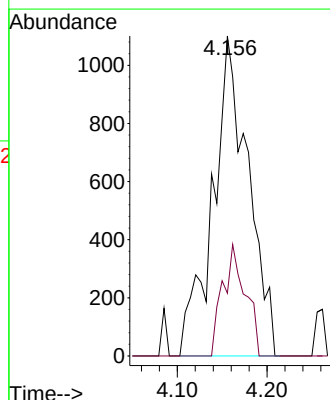
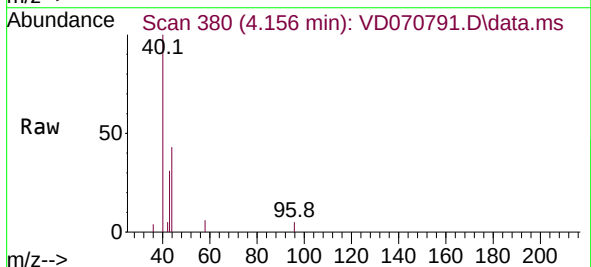
Tgt Ion: 59 Resp: 1154
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

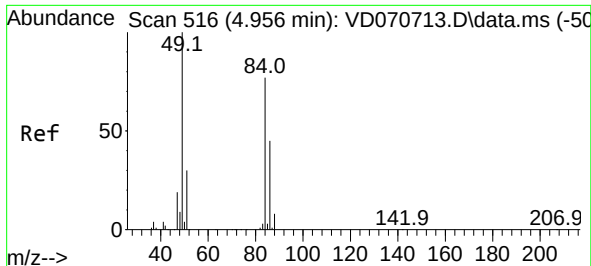


#16

Acetone
Concen: 2.349 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

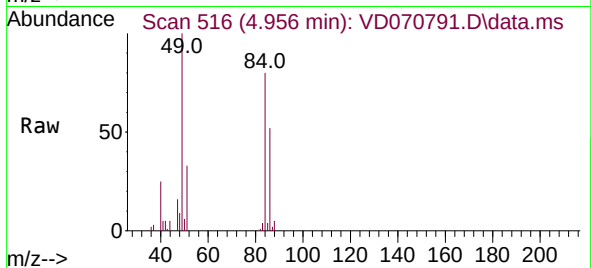
Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
58 19.6 28.2 42.2#



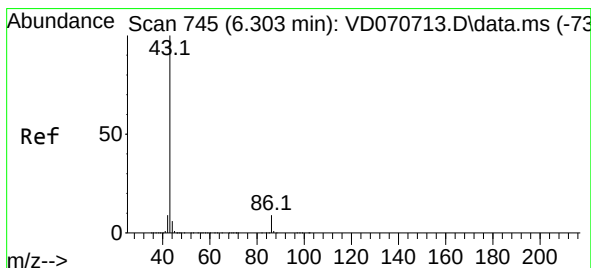
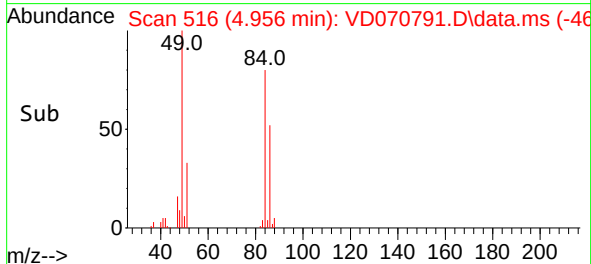
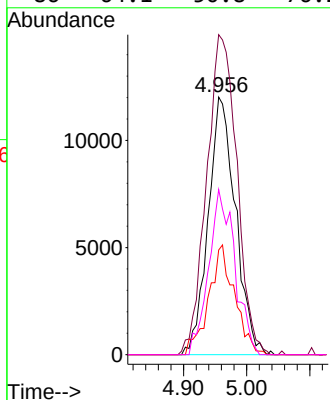


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Instrument :
MSVOA_D
ClientSampled :

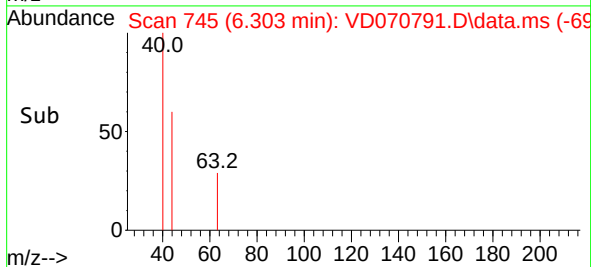
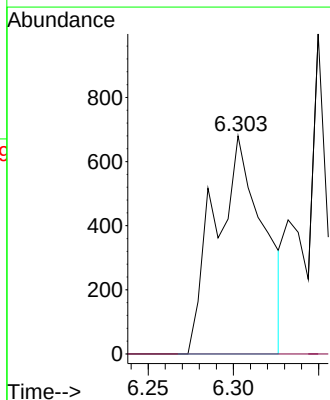
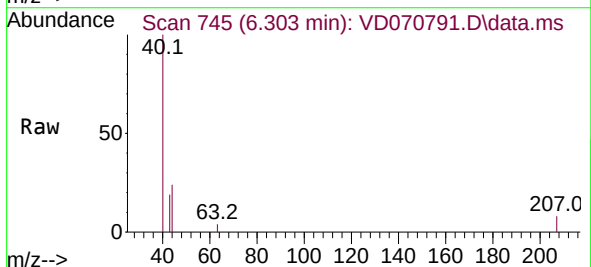


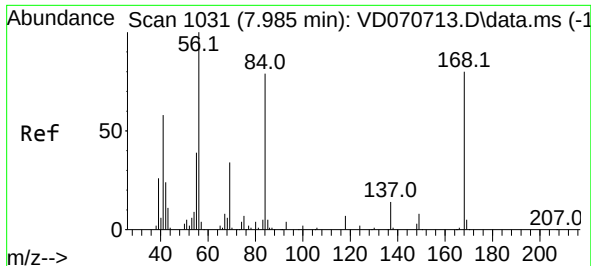
Tgt Ion:	84	Resp:	36115
Ion	Ratio	Lower	Upper
84	100		
49	124.3	91.4	137.2
51	40.7	26.7	40.1#
86	64.1	50.8	76.2



#23
Vinyl Acetate
Concen: 16.460 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

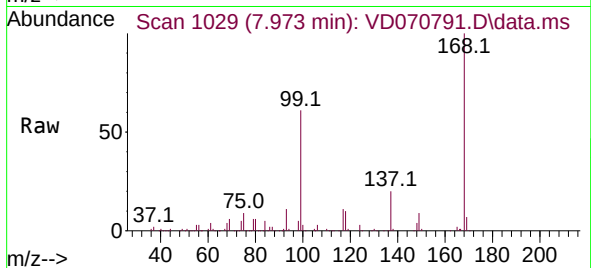
Tgt Ion:	43	Resp:	1337
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#



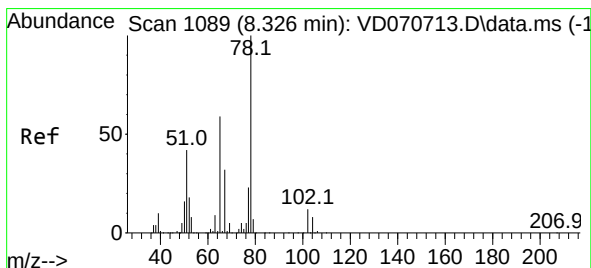
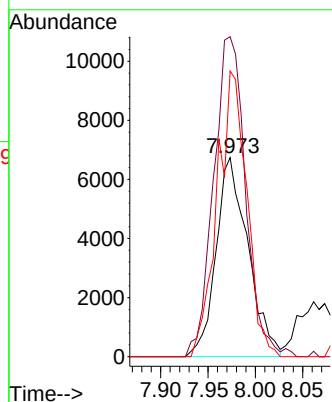
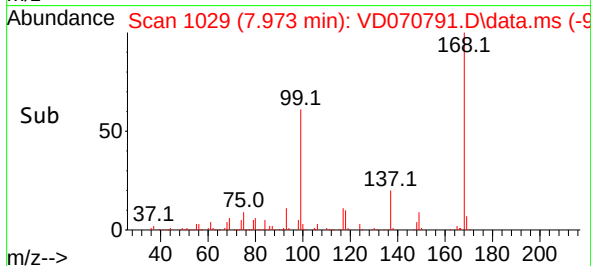


#31
Cyclohexane
Concen: 1.463 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

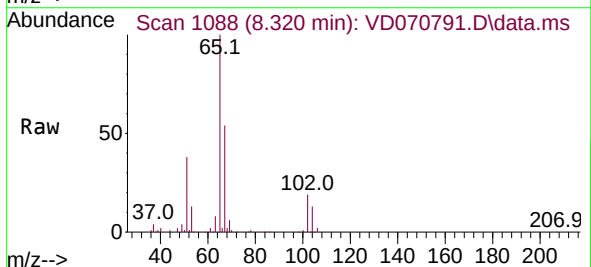
Instrument :
MSVOA_D
ClientSampled :



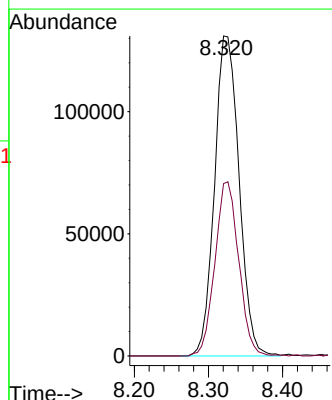
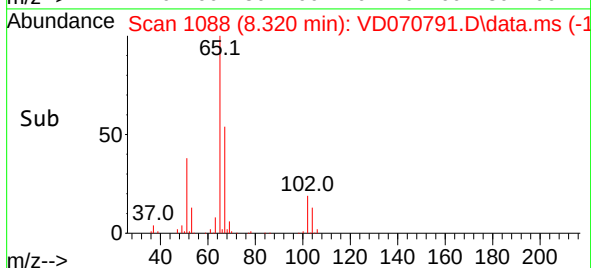
Tgt Ion: 56 Resp: 15778
Ion Ratio Lower Upper
56 100
69 160.8 27.4 41.2#
84 143.6 73.6 110.4#

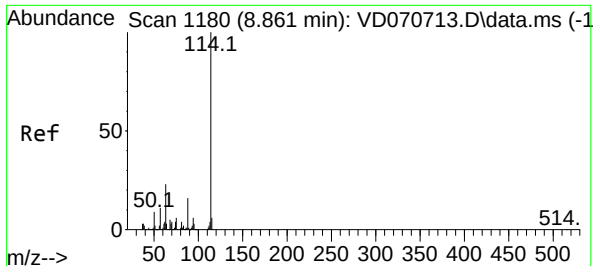


#33
1,2-Dichloroethane-d4
Concen: 56.541 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34



Tgt Ion: 65 Resp: 301402
Ion Ratio Lower Upper
65 100
67 52.9 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: VD070791.D

Acq: 21 Oct 2021 10:34

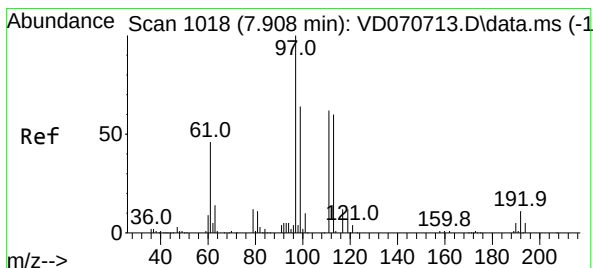
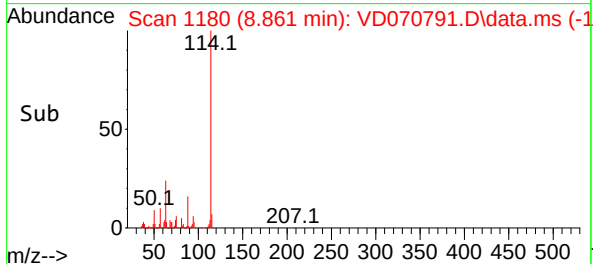
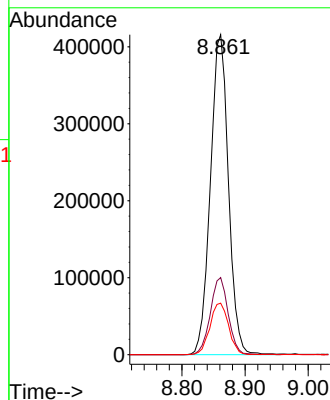
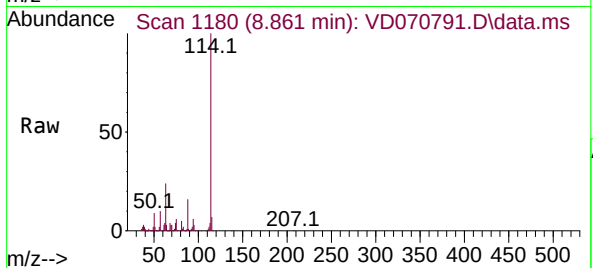
Tgt Ion:114 Resp: 824518

Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.8

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.670 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070791.D

Acq: 21 Oct 2021 10:34

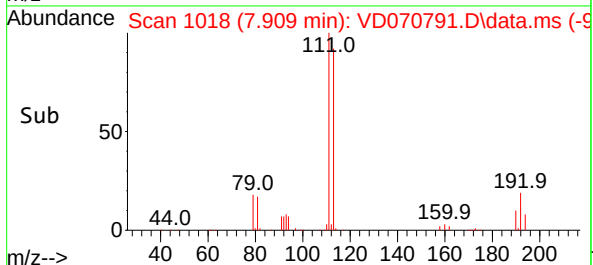
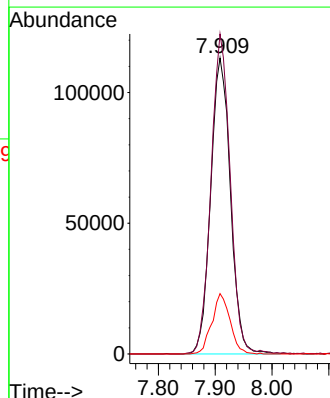
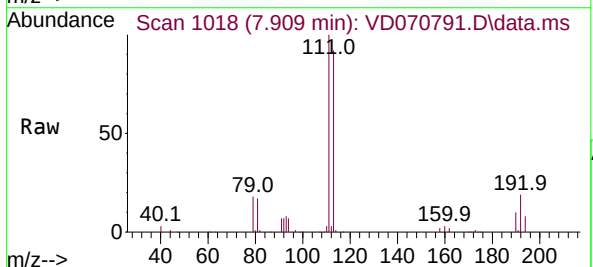
Tgt Ion:113 Resp: 272790

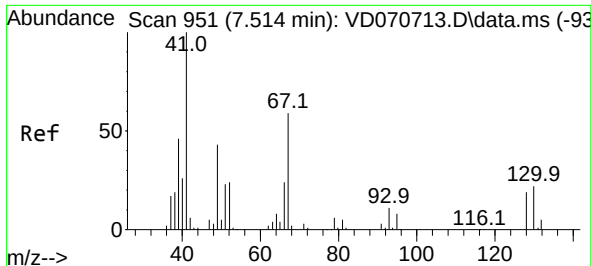
Ion Ratio Lower Upper

113 100

111 105.2 83.1 124.7

192 18.8 12.7 19.1

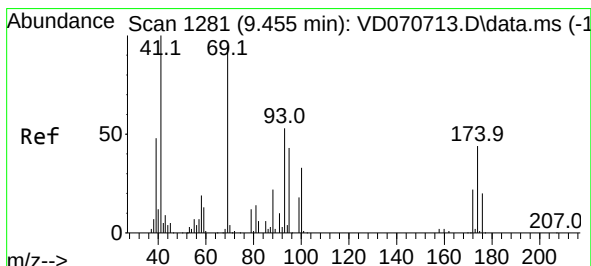
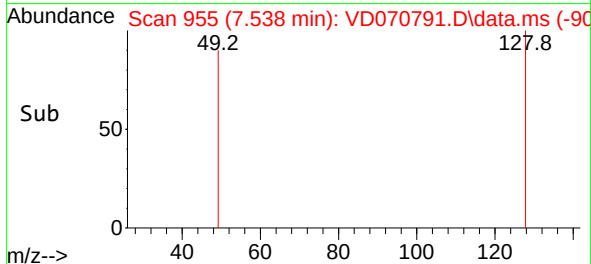
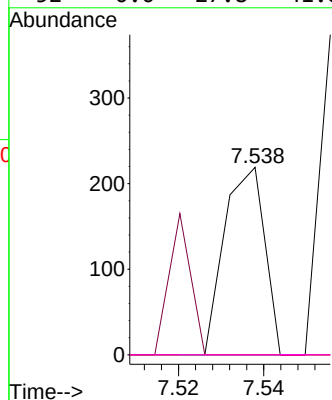
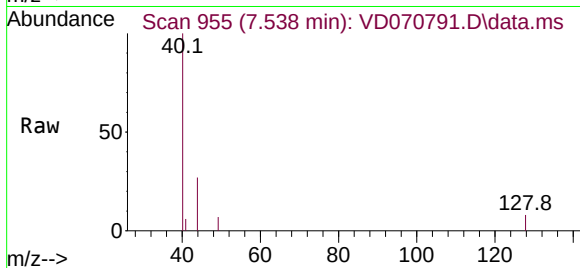




#41
Methacrylonitrile
Concen: 2.001 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.024 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

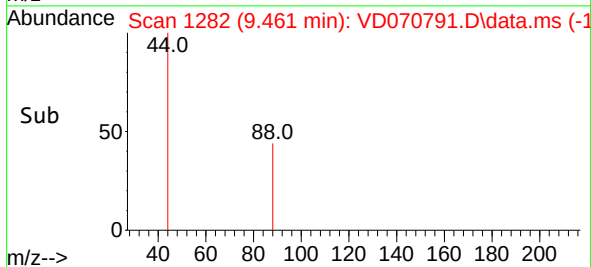
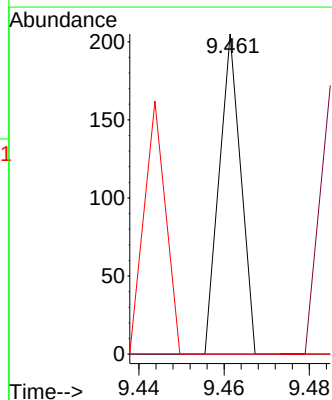
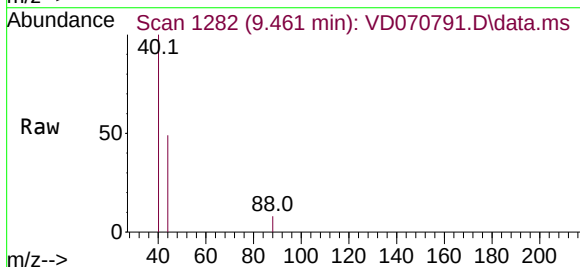
Instrument :
MSVOA_D
ClientSampled :

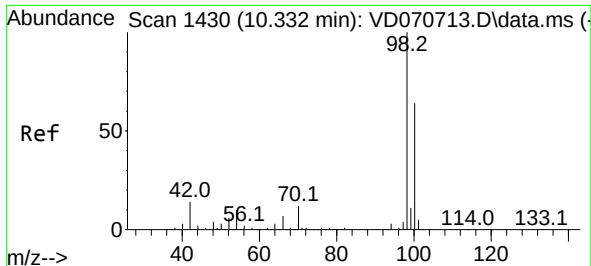
Tgt Ion:	41	Resp:	143
Ion	Ratio	Lower	Upper
41	100		
39	40.6	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#49
1,4-Dioxane
Concen: 2.003 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Tgt Ion:	88	Resp:	72
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	79.2	57.4	86.0

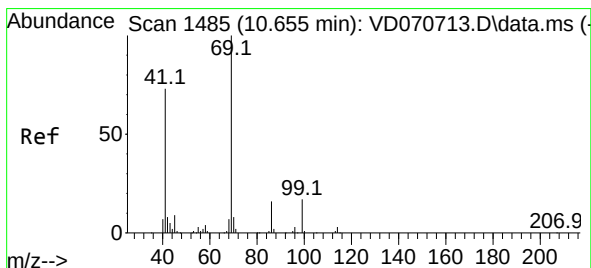
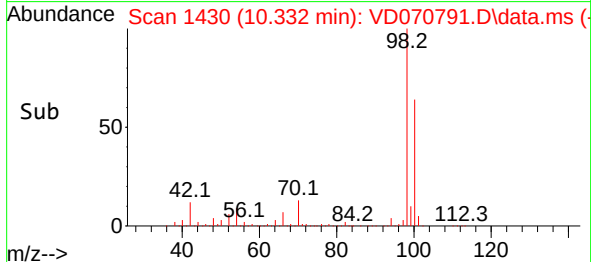
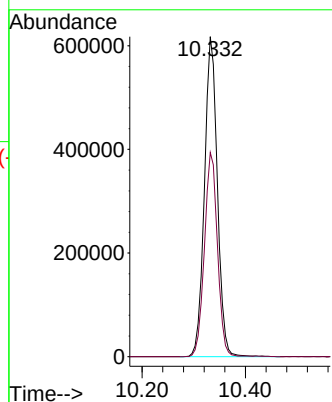
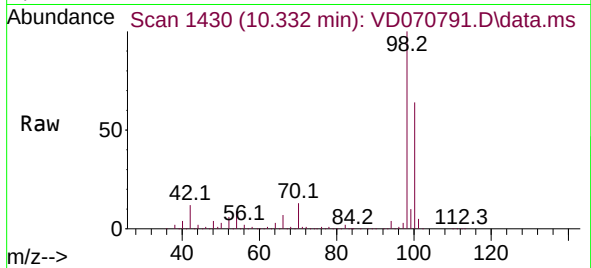




#50
Toluene-d8
Concen: 52.967 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

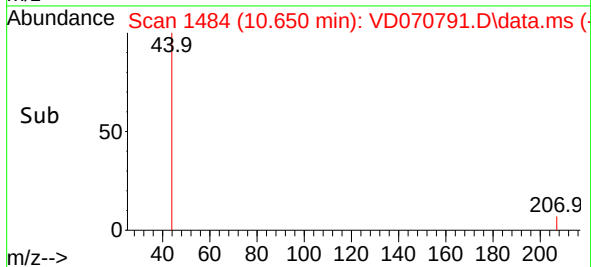
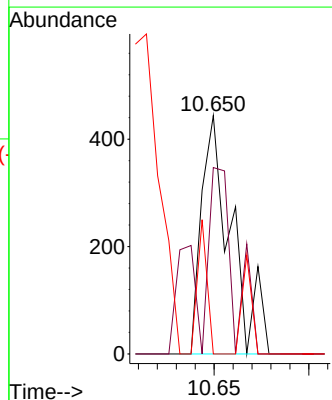
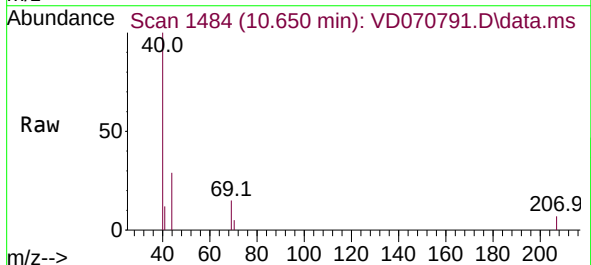
Instrument :
MSVOA_D
ClientSampleId :

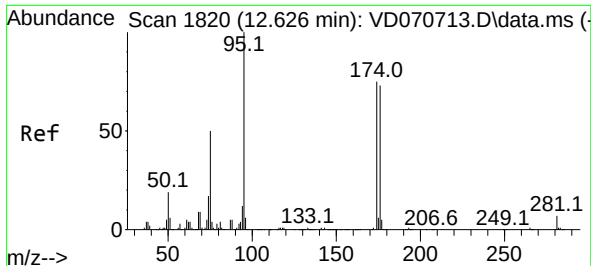
Tgt Ion: 98 Resp: 1071932
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.227 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Tgt Ion: 69 Resp: 486
Ion Ratio Lower Upper
69 100
41 93.6 44.7 67.1#
39 18.1 19.5 29.3#

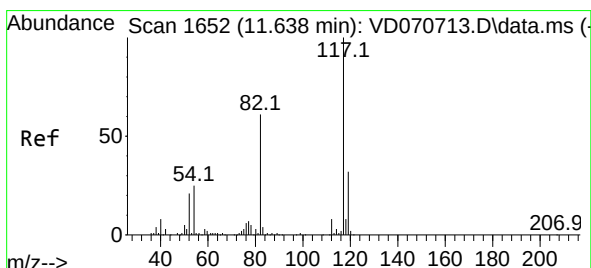
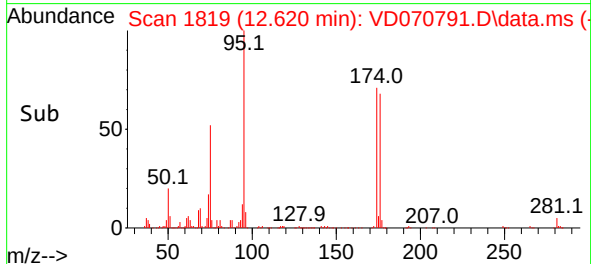
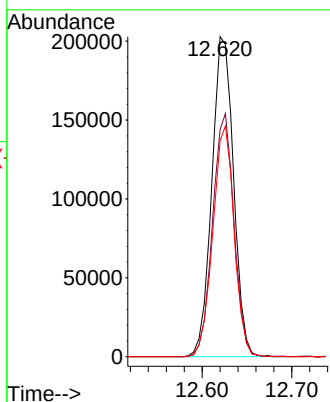
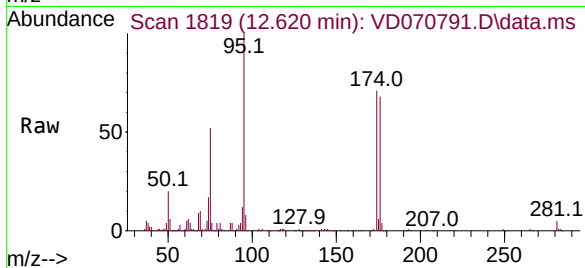




#62
4-Bromofluorobenzene
Concen: 48.845 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

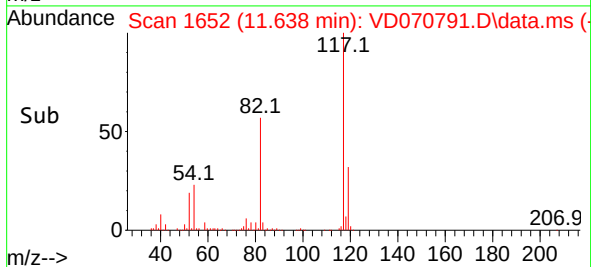
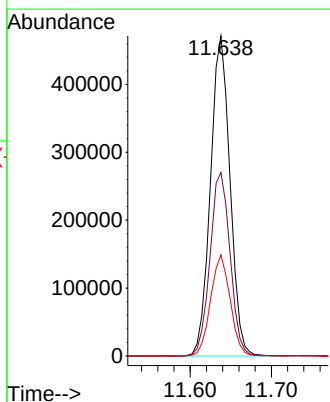
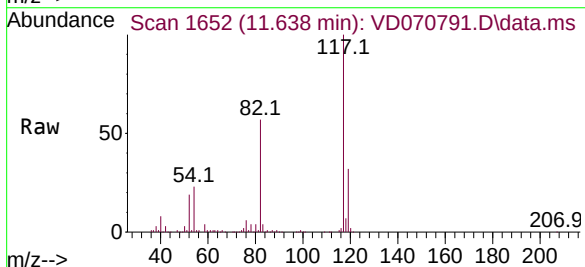
Instrument :
MSVOA_D
ClientSampled :

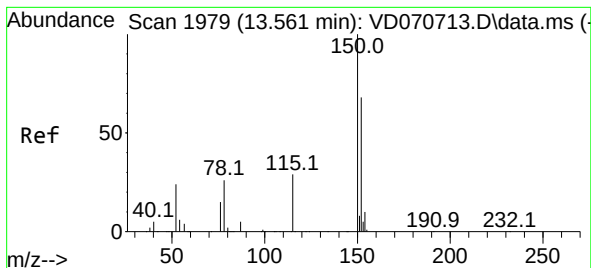
Tgt Ion: 95 Resp: 340378
Ion Ratio Lower Upper
95 100
174 74.9 0.0 138.0
176 70.7 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Tgt Ion: 117 Resp: 788600
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.2
119 31.6 24.7 37.1

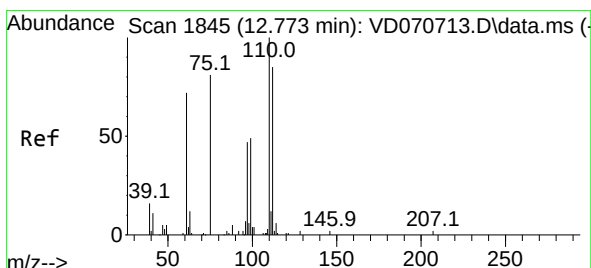
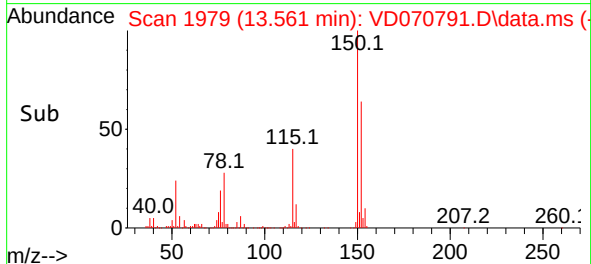
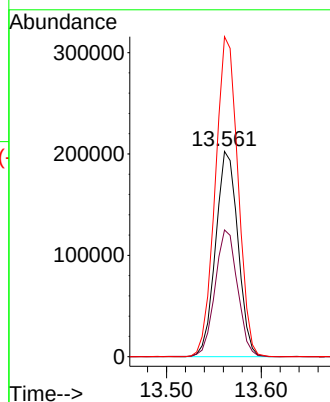
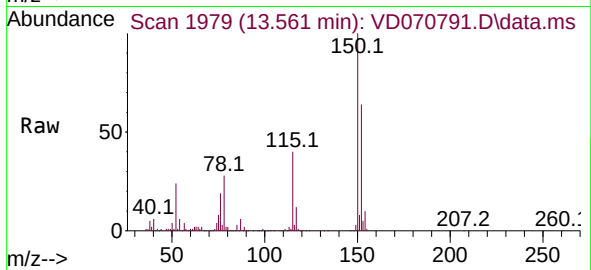




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

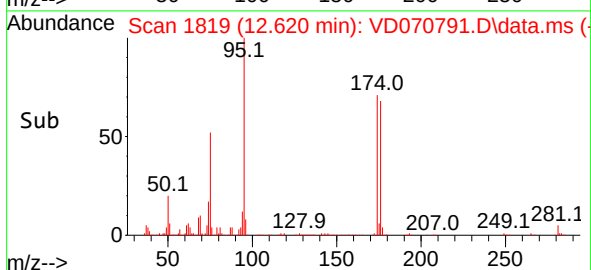
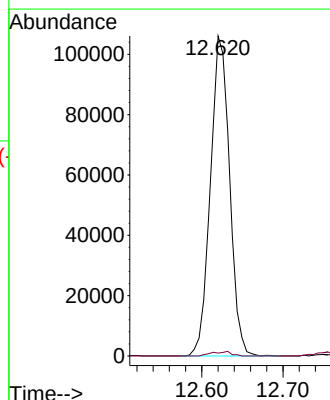
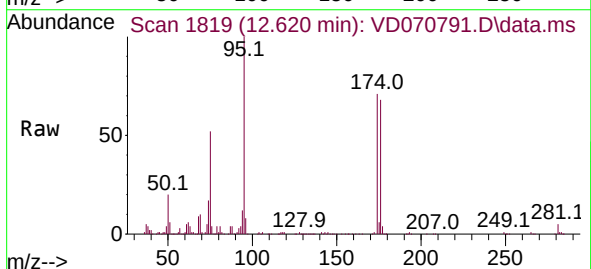
Instrument :
MSVOA_D
ClientSampleId :

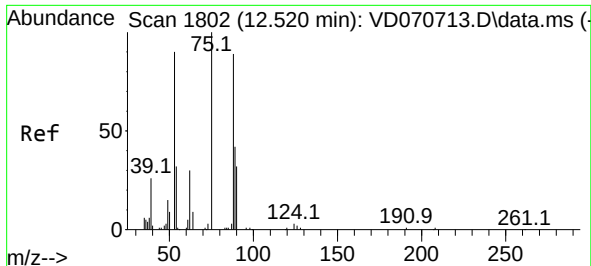
Tgt Ion:152 Resp: 331896
Ion Ratio Lower Upper
152 100
115 62.2 31.9 95.7
150 158.1 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 60.737 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Tgt Ion: 75 Resp: 174161
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

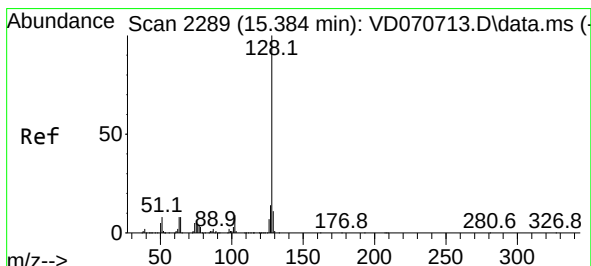
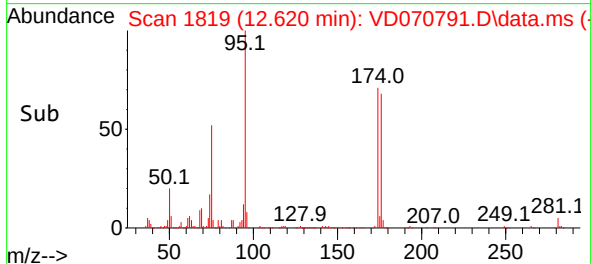
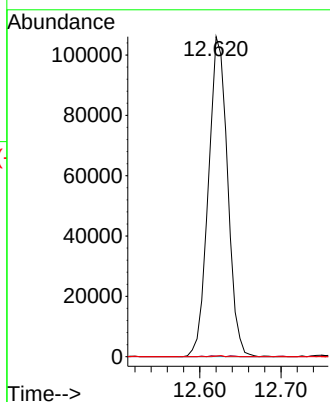
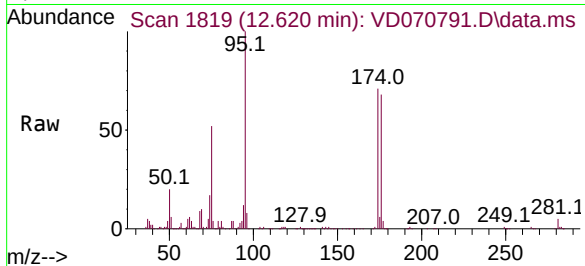




#81
trans-1,4-Dichloro-2-butene
Concen: 133.033 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 174161
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 5.124 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070791.D
Acq: 21 Oct 2021 10:34

Tgt Ion:128 Resp: 3935
Ion Ratio Lower Upper
128 100
127 18.3 10.9 16.3#
129 6.9 8.6 12.8#

