

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070823.D
 Acq On : 22 Oct 2021 14:19
 Operator : VA/SY
 Sample : M4306-01
 Misc : 5.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:11:22 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)

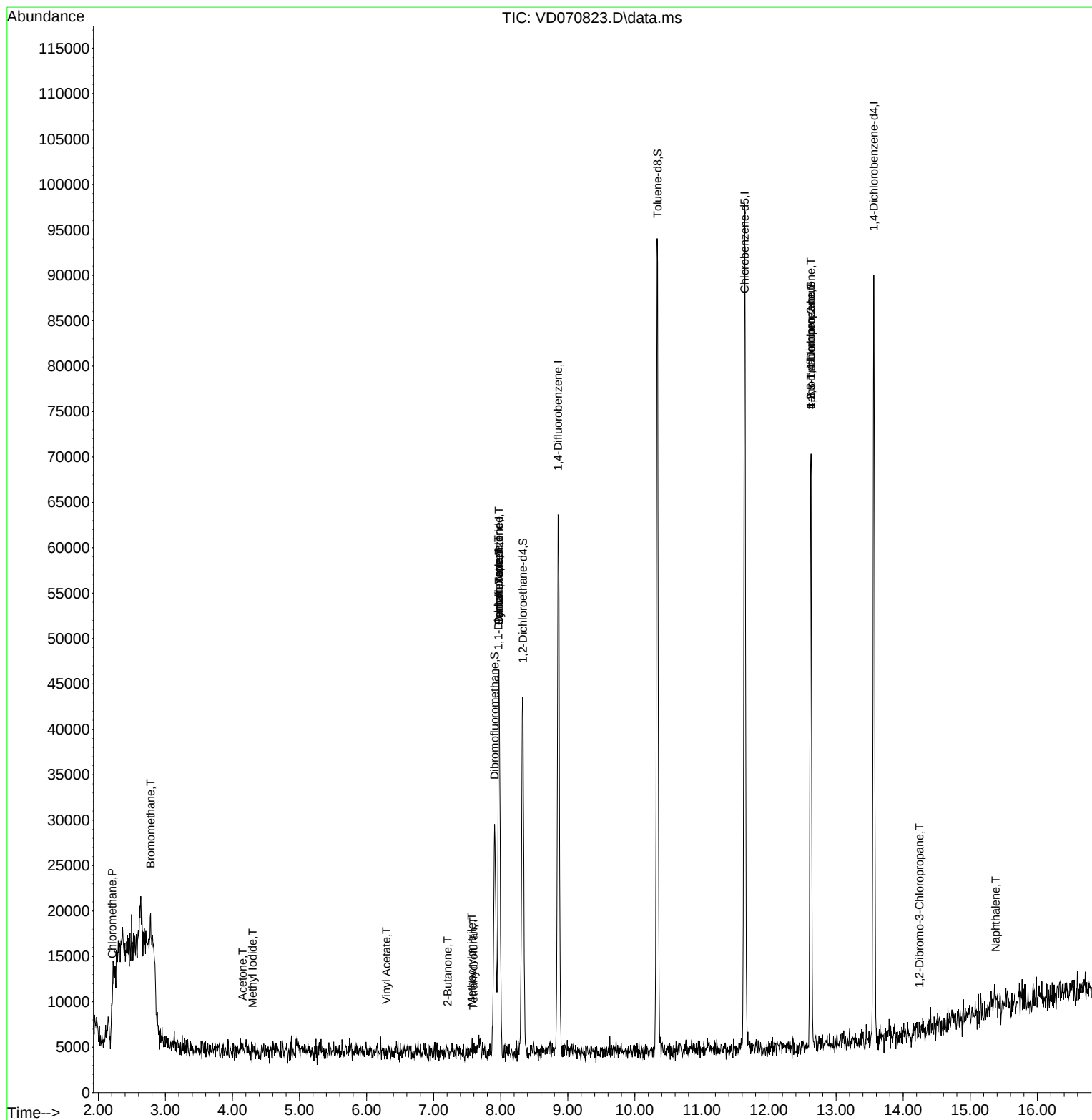
Internal Standards						
1) Pentafluorobenzene	7.973	168	26800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	47782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	50718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	20976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	31352	98.769	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 197.540%#			
35) Dibromofluoromethane	7.908	113	17089	55.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.720%			
50) Toluene-d8	10.338	98	59590	50.809	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.626	95	21675	53.673	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.340%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1161	2.497	ug/l	97
5) Bromomethane	2.779	94	1858	6.396	ug/l #	69
10) Methyl Iodide	4.303	142	495	4.702	ug/l #	53
16) Acetone	4.150	43	332	4.336	ug/l #	40
20) Methylene Chloride	4.962	84	498	Below Cal	#	22
23) Vinyl Acetate	6.297	43	75	16.452	ug/l #	69
25) 2-Butanone	7.208	43	201	2.125	ug/l #	43
29) Tetrahydrofuran	7.591	42	69	1.192	ug/l #	29
31) Cyclohexane	7.973	56	728	1.134	ug/l #	16
36) 1,1-Dichloropropene	7.967	75	2592	4.869	ug/l #	42
38) Carbon Tetrachloride	7.973	117	3163	6.204	ug/l #	22
41) Methacrylonitrile	7.567	41	68	2.413	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	10375	57.250	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	10375	125.394	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.243	75	54	1.145	ug/l #	6
95) Naphthalene	15.379	128	60	4.873	ug/l #	69

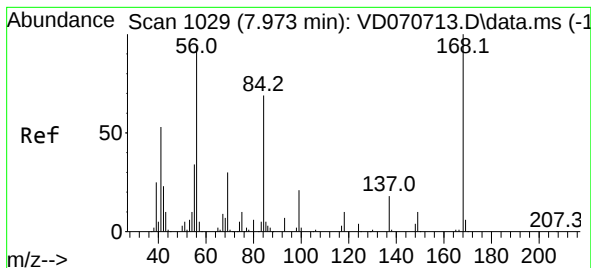
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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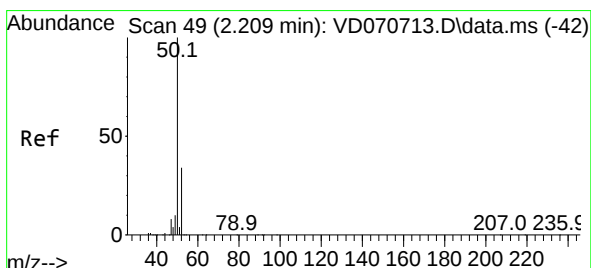
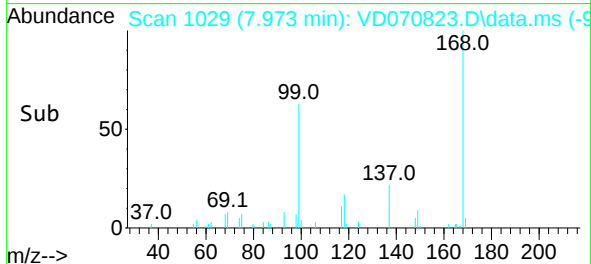
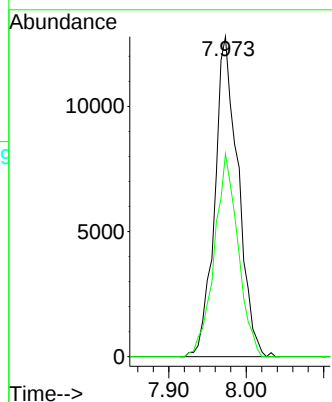
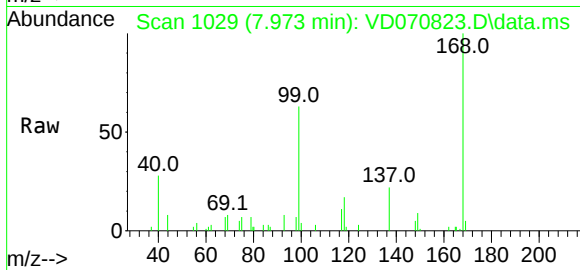




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

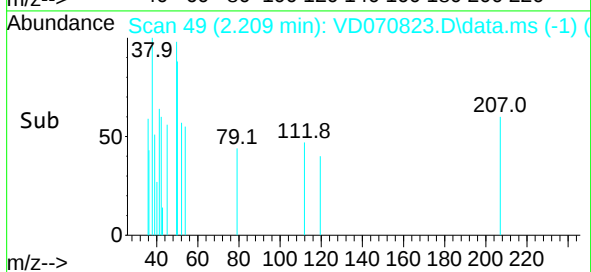
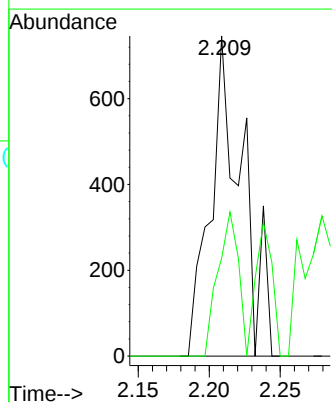
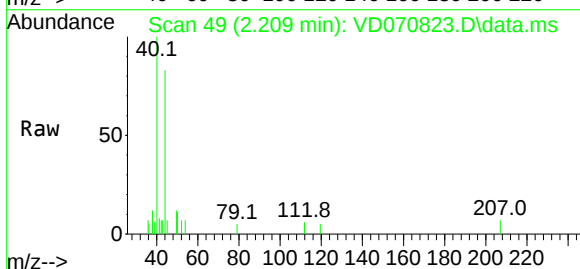
Instrument :
MSVOA_D
ClientSampled :

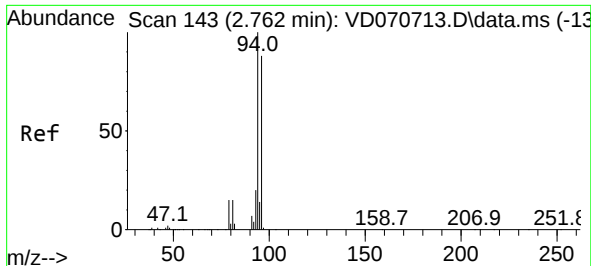
Tgt Ion:168 Resp: 26800
Ion Ratio Lower Upper
168 100
99 63.4 51.4 77.0



#3
Chloromethane
Concen: 2.497 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 50 Resp: 1161
Ion Ratio Lower Upper
50 100
52 30.6 26.0 39.0

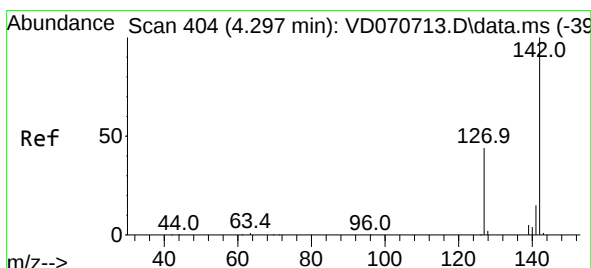
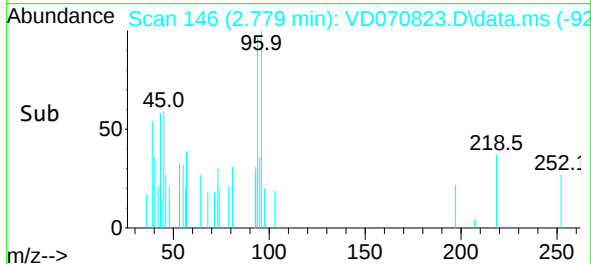
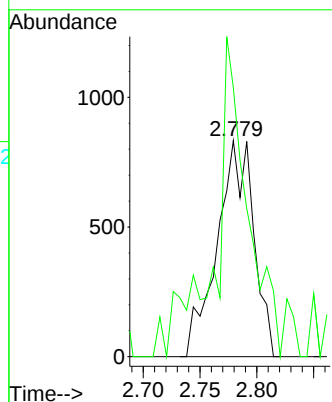
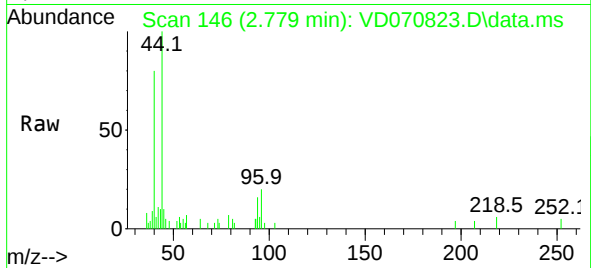




#5
Bromomethane
Concen: 6.396 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

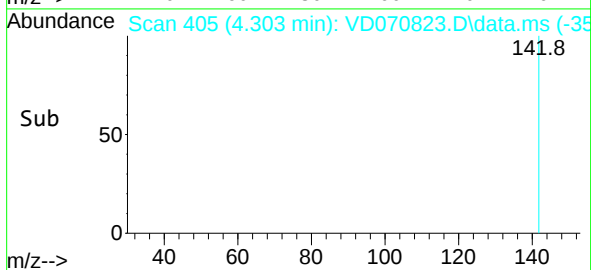
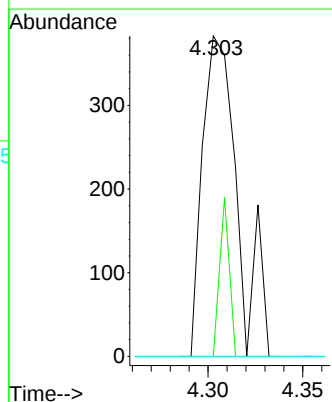
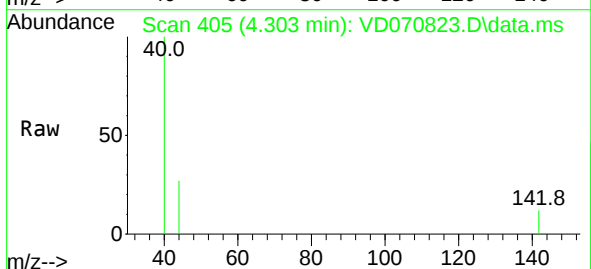
Instrument :
MSVOA_D
ClientSampled :

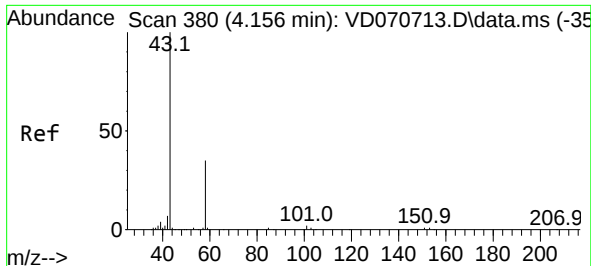
Tgt Ion: 94 Resp: 1858
Ion Ratio Lower Upper
94 100
96 124.6 75.5 113.3#



#10
Methyl Iodide
Concen: 4.702 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 142 Resp: 495
Ion Ratio Lower Upper
142 100
127 13.5 37.5 56.3#
141 0.0 12.1 18.1#

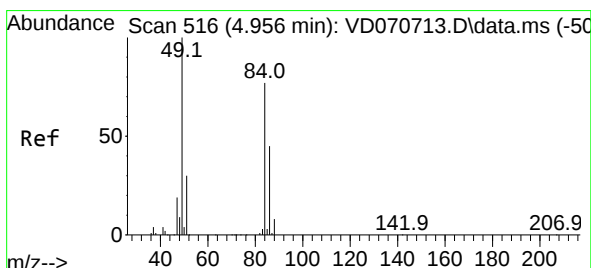
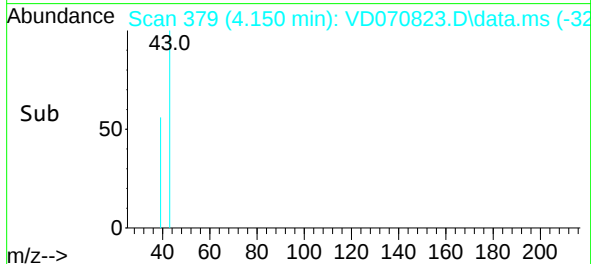
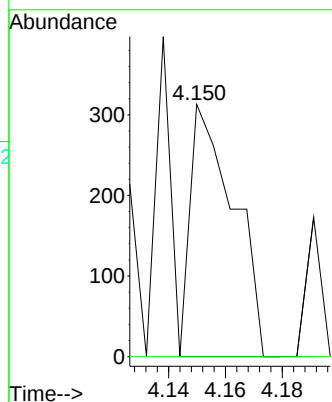
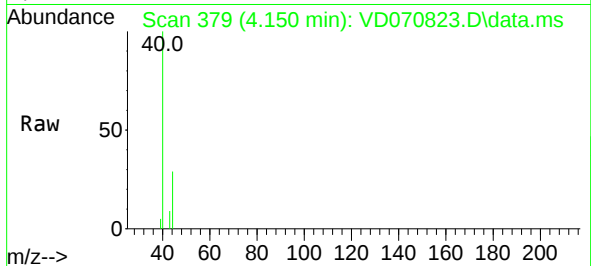




#16
Acetone
Concen: 4.336 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

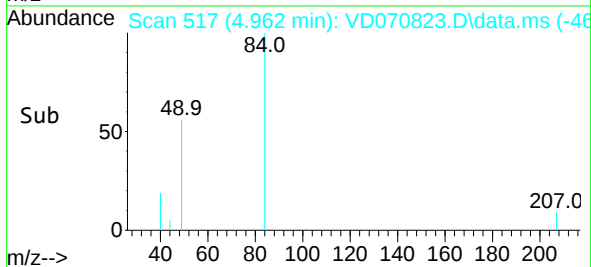
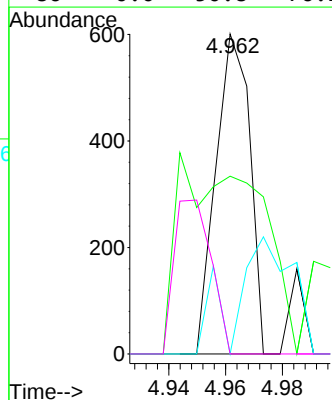
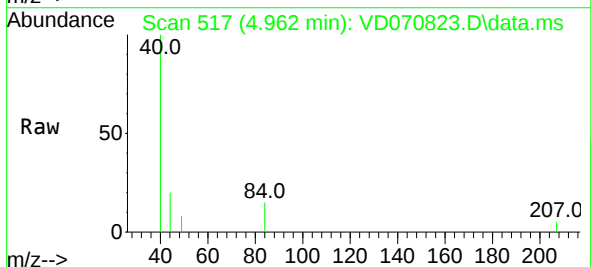
Instrument :
MSVOA_D
ClientSampled :

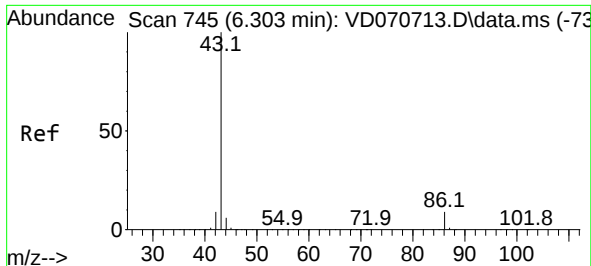
Tgt Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 84 Resp: 498
Ion Ratio Lower Upper
84 100
49 26.6 91.4 137.2#
51 0.0 26.7 40.1#
86 0.0 50.8 76.2#

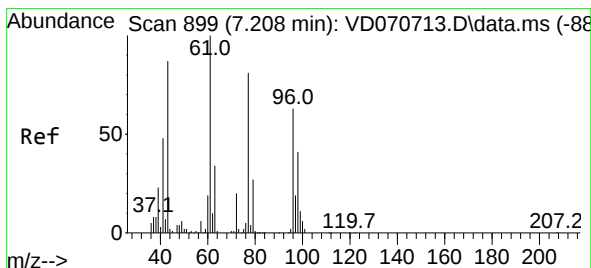
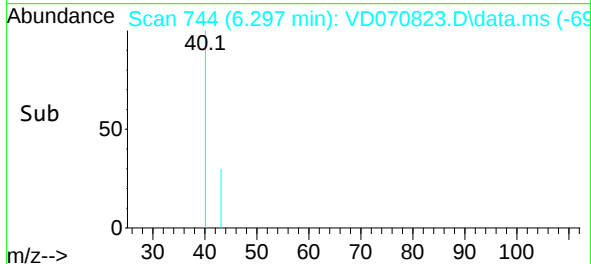
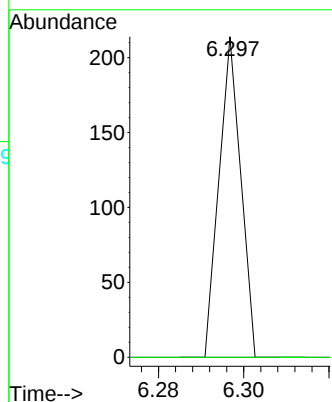
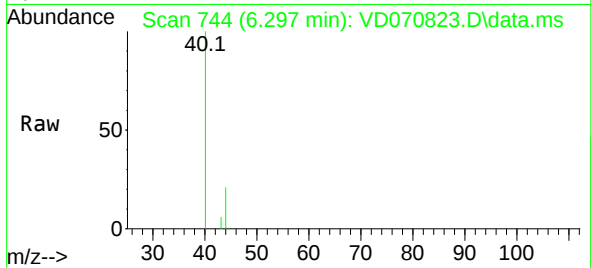




#23
 Vinyl Acetate
 Concen: 16.452 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD070823.D
 Acq: 22 Oct 2021 14:19

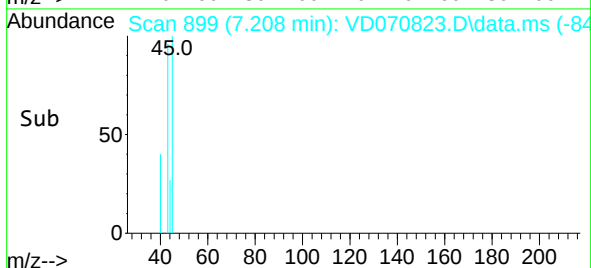
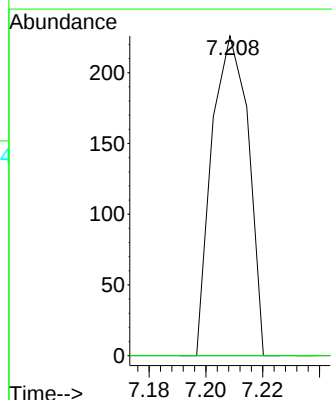
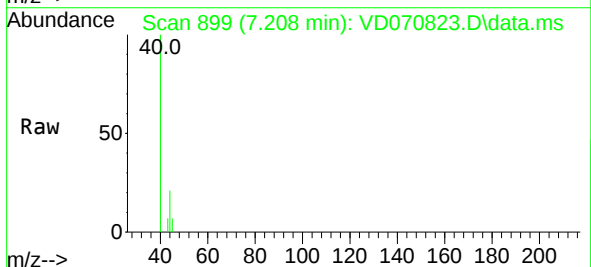
Instrument :
 MSVOA_D
 ClientSampled :

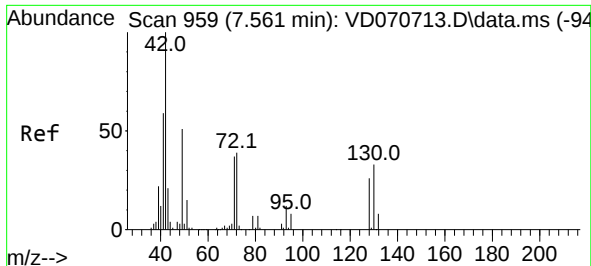
Tgt Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 2.125 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: VD070823.D
 Acq: 22 Oct 2021 14:19

Tgt Ion: 43 Resp: 201
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.2 37.8#





#29

Tetrahydrofuran

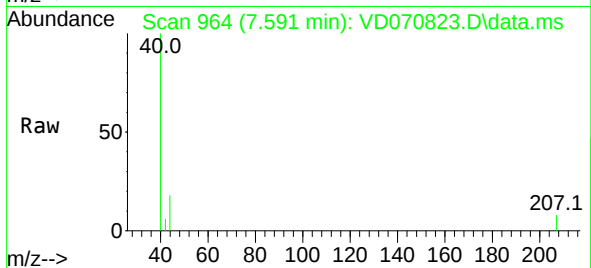
Concen: 1.192 ug/l

RT: 7.591 min Scan# 964

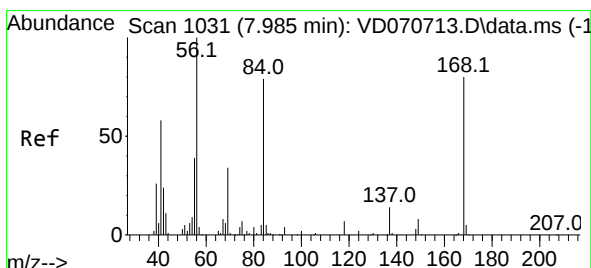
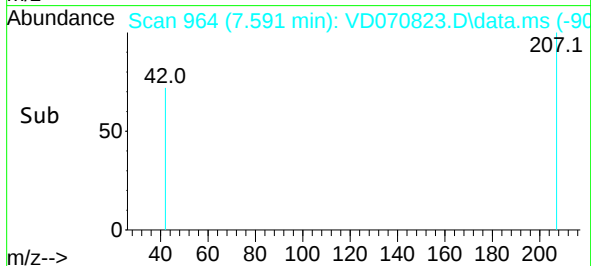
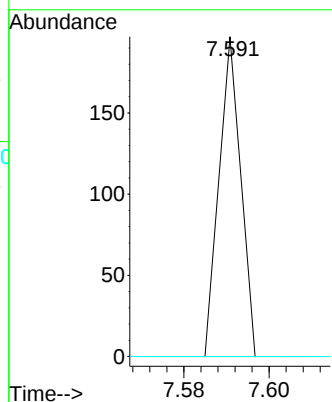
Delta R.T. 0.030 min

Lab File: VD070823.D

Acq: 22 Oct 2021 14:19



Tgt Ion:	42	Resp:	69
Ion Ratio	Lower	Upper	
42	100		
72	0.0	40.2	60.4#
71	0.0	37.2	55.8#



#31

Cyclohexane

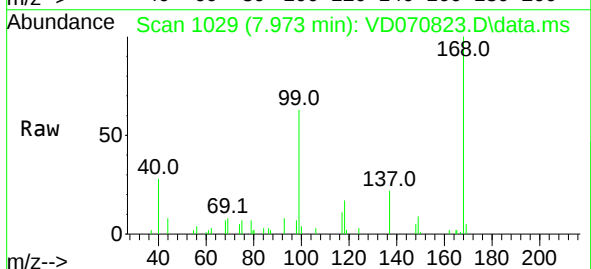
Concen: 1.134 ug/l

RT: 7.973 min Scan# 1029

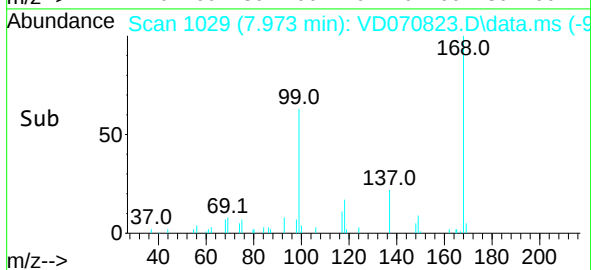
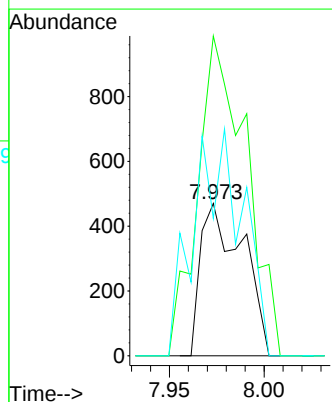
Delta R.T. -0.012 min

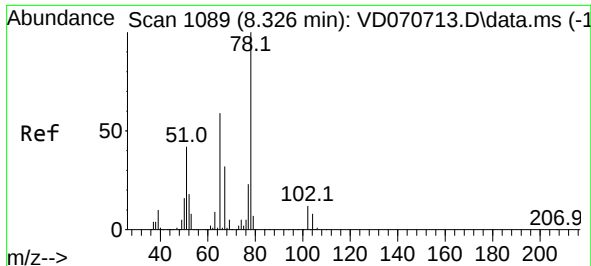
Lab File: VD070823.D

Acq: 22 Oct 2021 14:19



Tgt Ion:	56	Resp:	728
Ion Ratio	Lower	Upper	
56	100		
69	210.0	27.4	41.2#
84	90.2	73.6	110.4





#33

1,2-Dichloroethane-d4

Concen: 98.769 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD070823.D

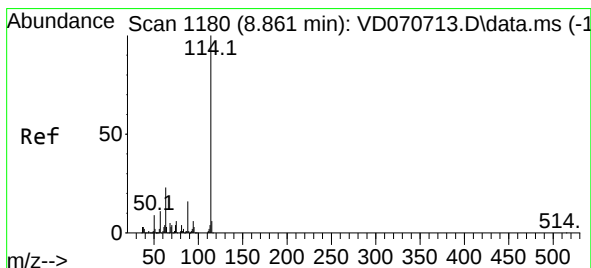
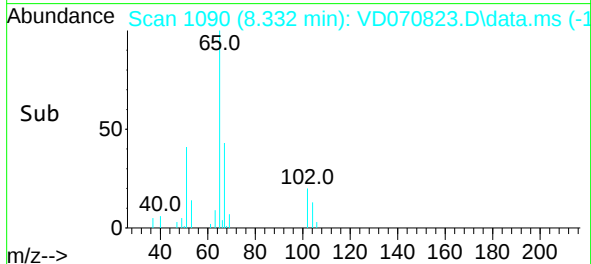
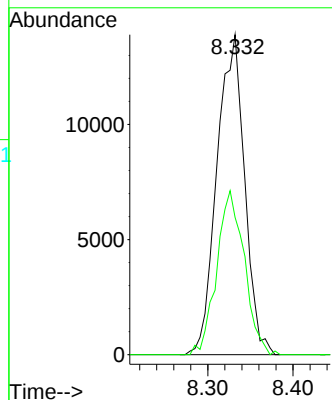
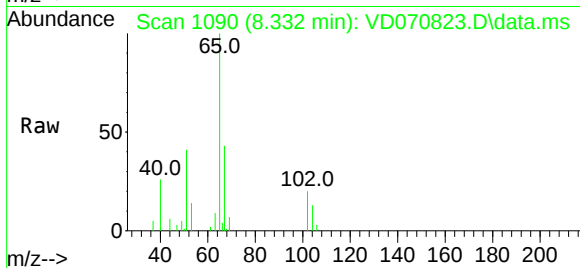
Acq: 22 Oct 2021 14:19

Tgt Ion: 65 Resp: 31352

Ion Ratio Lower Upper

65 100

67 51.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD070823.D

Acq: 22 Oct 2021 14:19

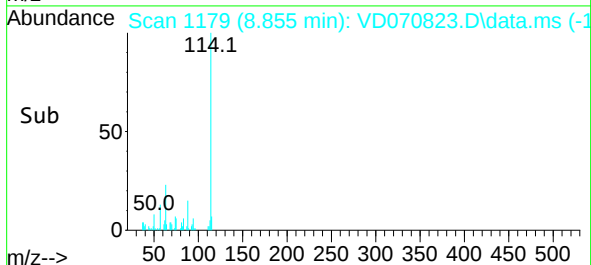
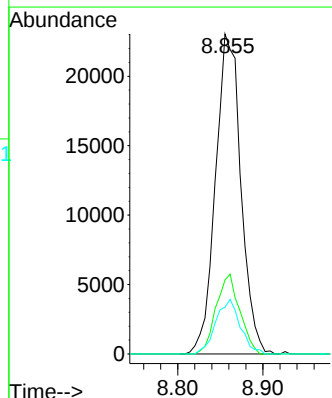
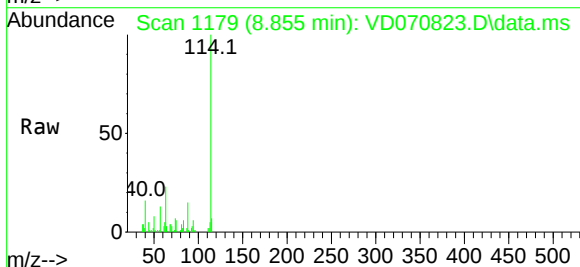
Tgt Ion: 114 Resp: 47782

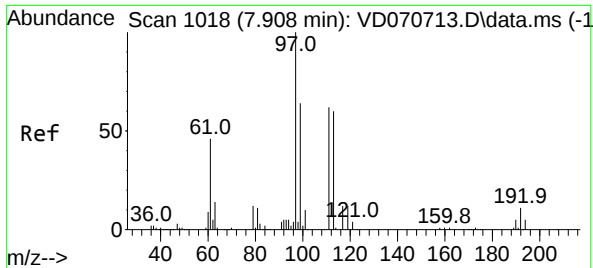
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 14.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.855 ug/l

RT: 7.908 min Scan# 1018

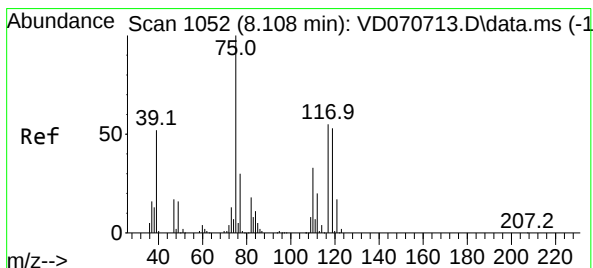
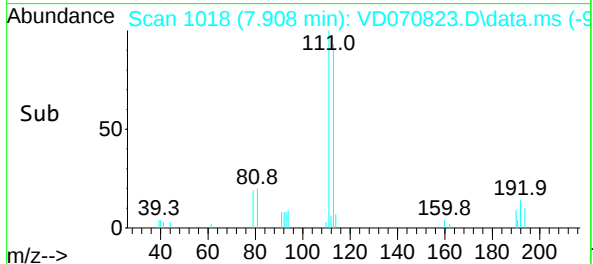
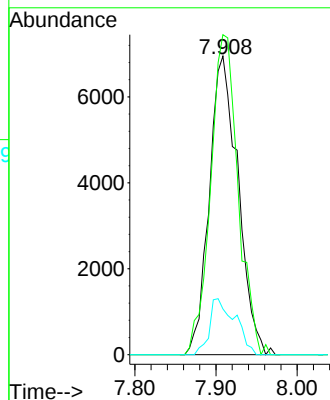
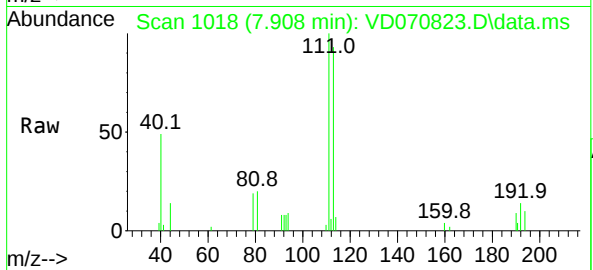
Delta R.T. 0.000 min

Lab File: VD070823.D

Acq: 22 Oct 2021 14:19

Tgt Ion:	113	Resp:	17089
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	16.8	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.869 ug/l

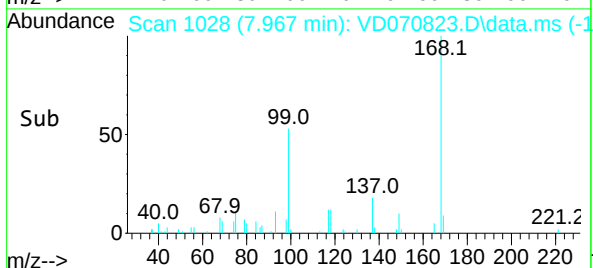
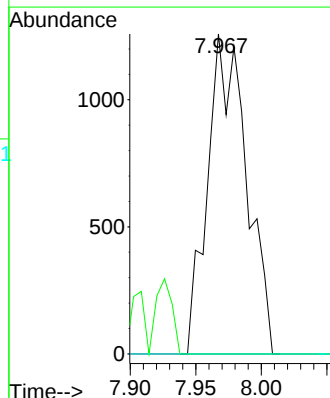
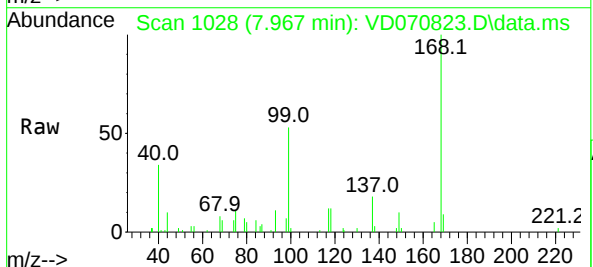
RT: 7.967 min Scan# 1028

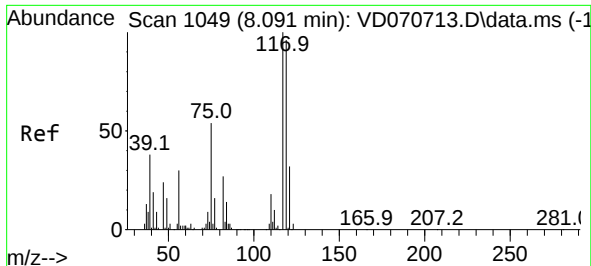
Delta R.T. -0.141 min

Lab File: VD070823.D

Acq: 22 Oct 2021 14:19

Tgt Ion:	75	Resp:	2592
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.2	51.6#
77	0.0	24.2	36.4#

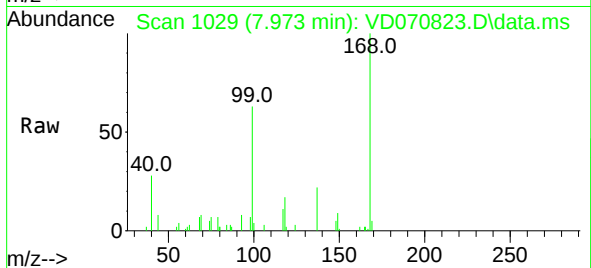




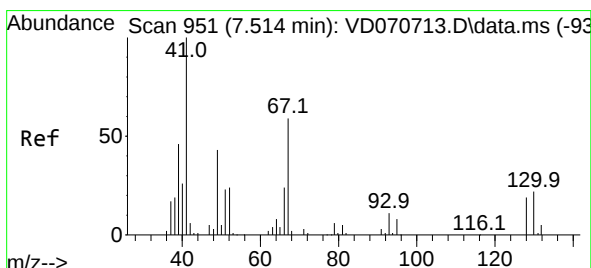
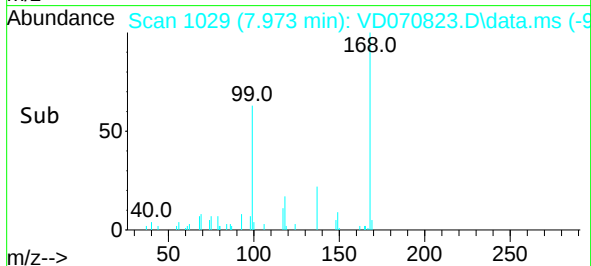
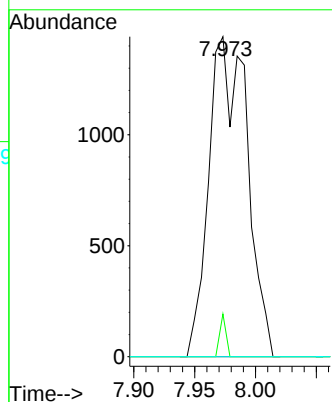
#38

Carbon Tetrachloride
Concen: 6.204 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Instrument :
MSVOA_D
ClientSampleId :



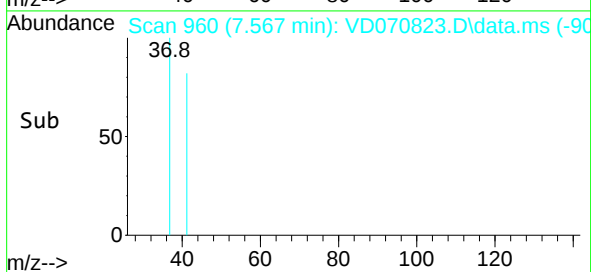
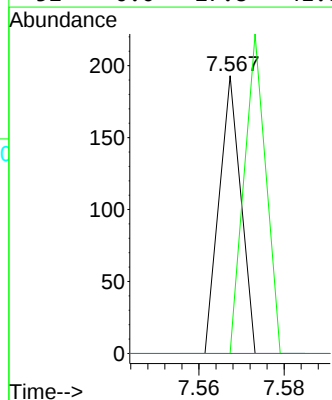
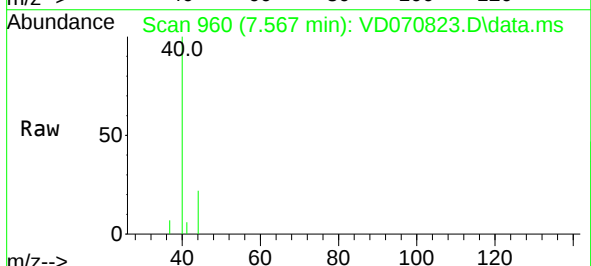
Tgt Ion:	117	Resp:	3163
Ion	Ratio	Lower	Upper
117	100		
119	13.4	77.4	116.0#
121	0.0	25.4	38.0#

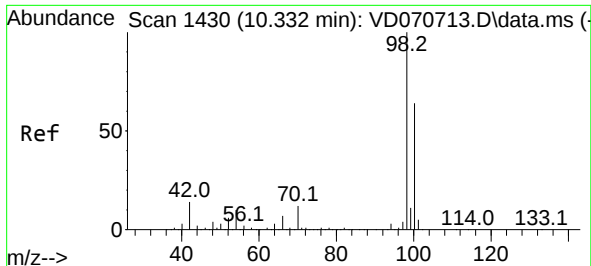


#41

Methacrylonitrile
Concen: 2.413 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.053 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	114.7	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#

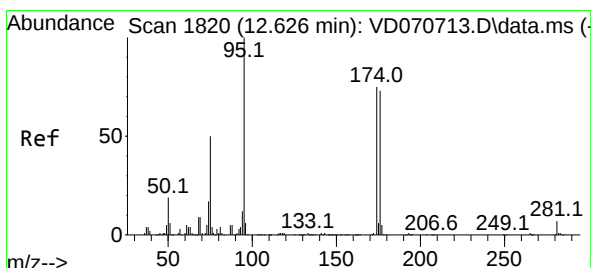
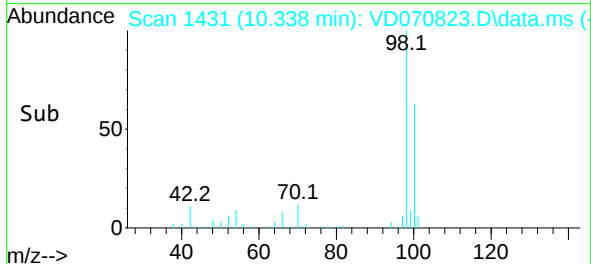
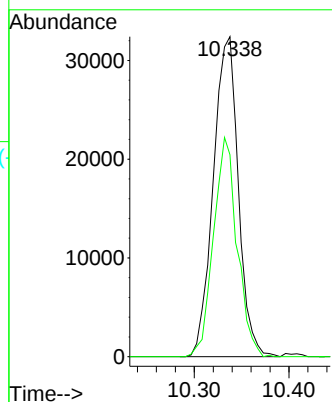
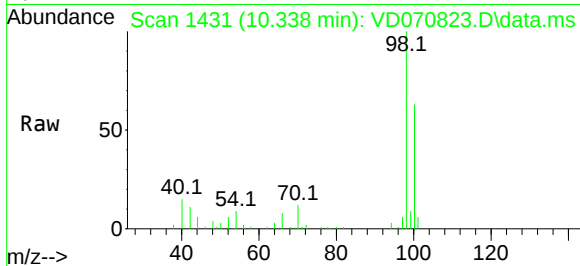




#50
Toluene-d8
Concen: 50.809 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

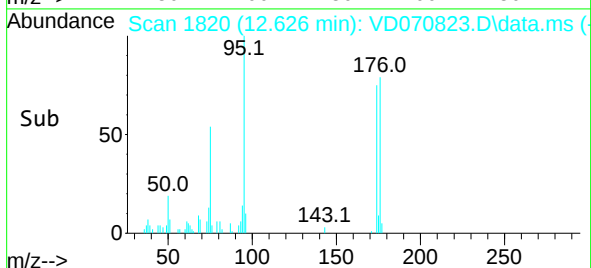
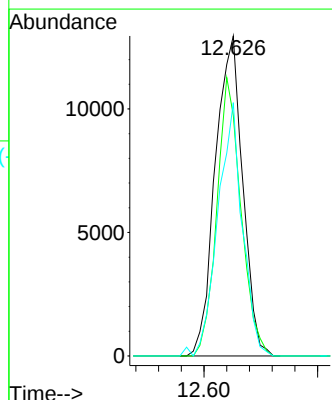
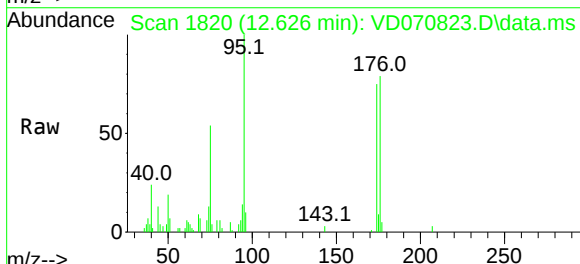
Instrument :
MSVOA_D
ClientSampled :

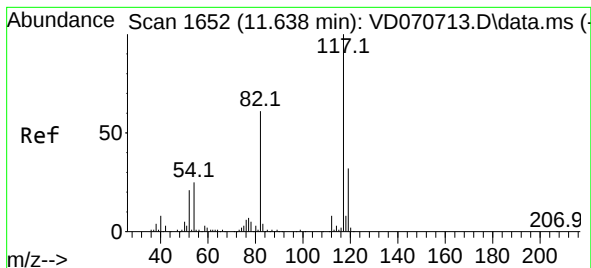
Tgt Ion: 98 Resp: 59590
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 53.673 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 95 Resp: 21675
Ion Ratio Lower Upper
95 100
174 76.8 0.0 138.0
176 70.8 0.0 135.6

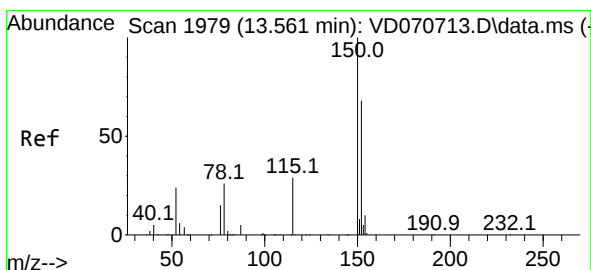
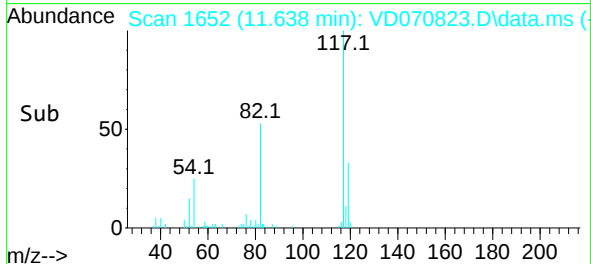
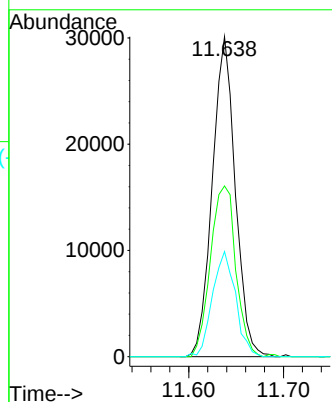
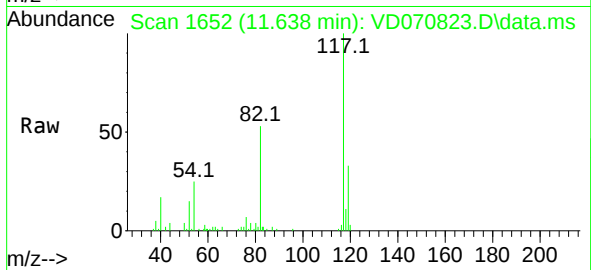




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

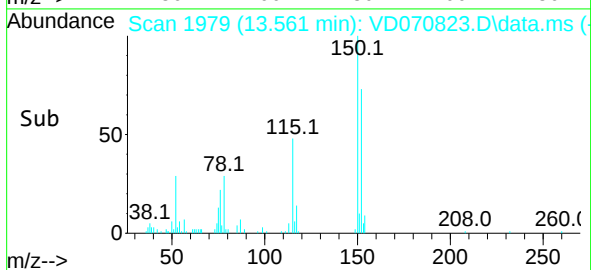
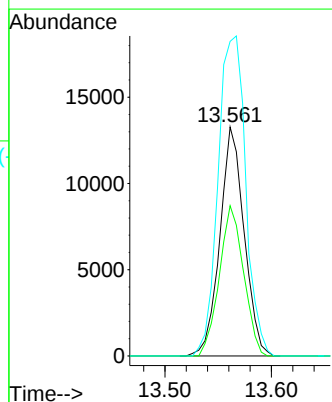
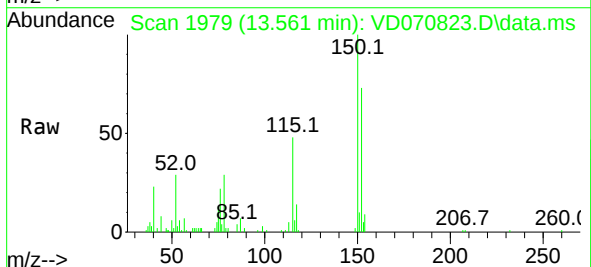
Instrument :
MSVOA_D
ClientSampleId :

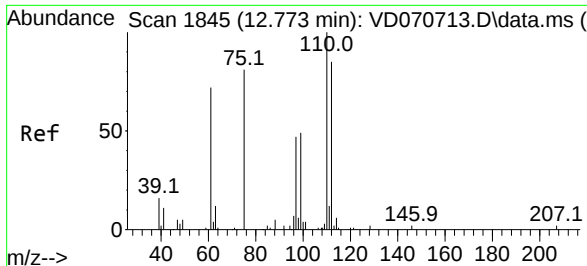
Tgt Ion:117 Resp: 50718
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.2
119 32.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion:152 Resp: 20976
Ion Ratio Lower Upper
152 100
115 65.5 31.9 95.7
150 158.9 0.0 350.0

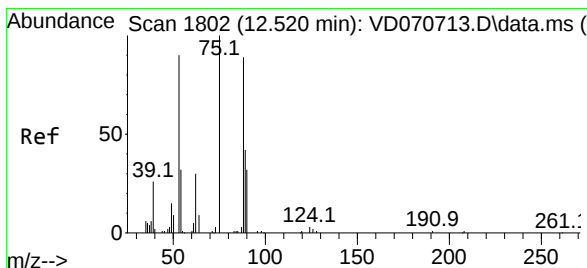
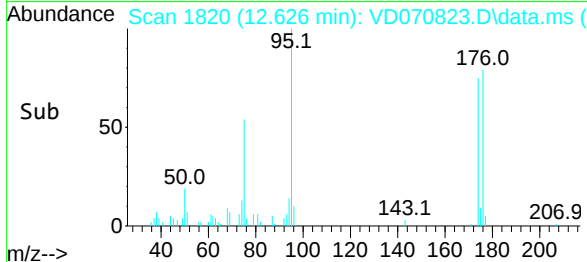
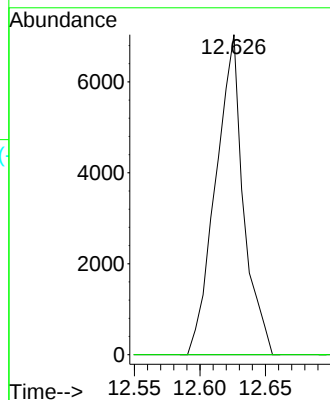
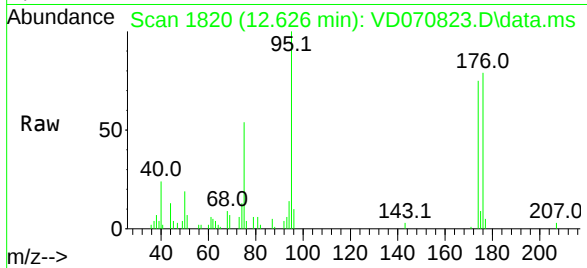




#76
1,2,3-Trichloropropane
Concen: 57.250 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

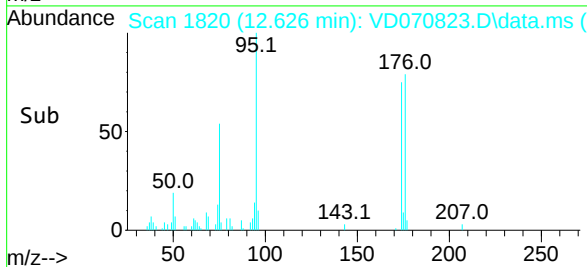
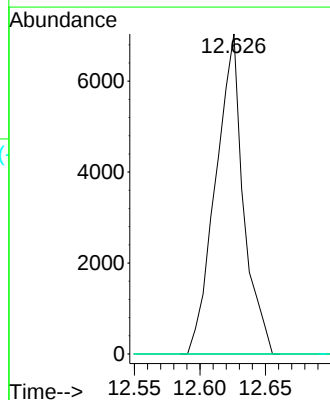
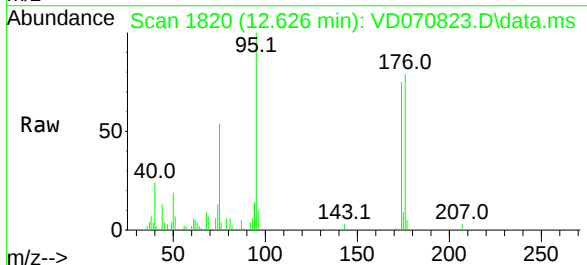
Instrument :
MSVOA_D
ClientSampleId :

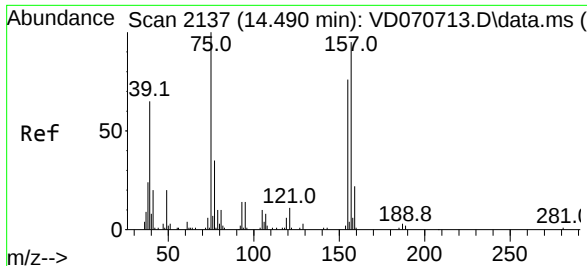
Tgt Ion: 75 Resp: 10375
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 125.394 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 75 Resp: 10375
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

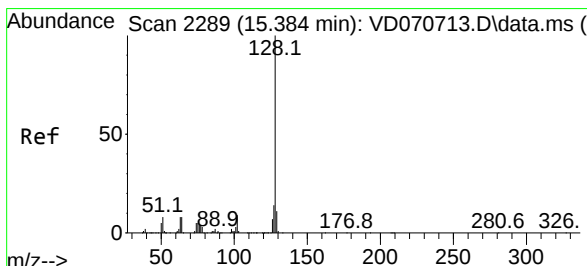
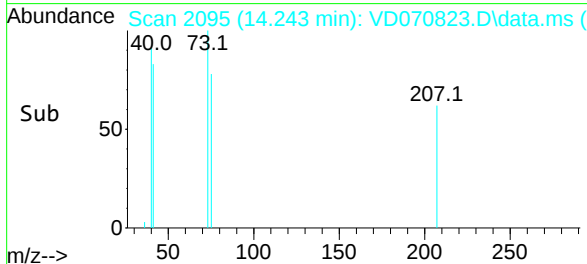
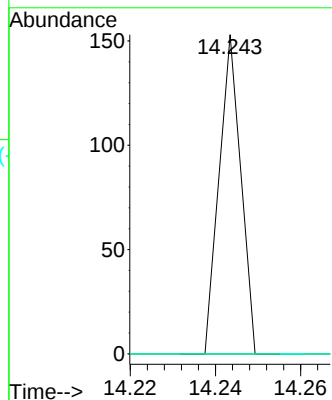
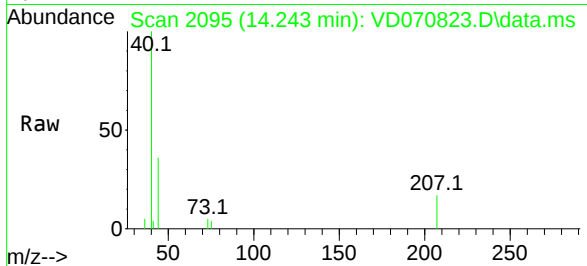




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.145 ug/l
RT: 14.243 min Scan# 2095
Delta R.T. -0.247 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#



#95
Naphthalene
Concen: 4.873 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070823.D
Acq: 22 Oct 2021 14:19

Tgt Ion: 128 Resp: 60
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

