

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070828.D
 Acq On : 22 Oct 2021 16:42
 Operator : VA/SY
 Sample : M4283-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

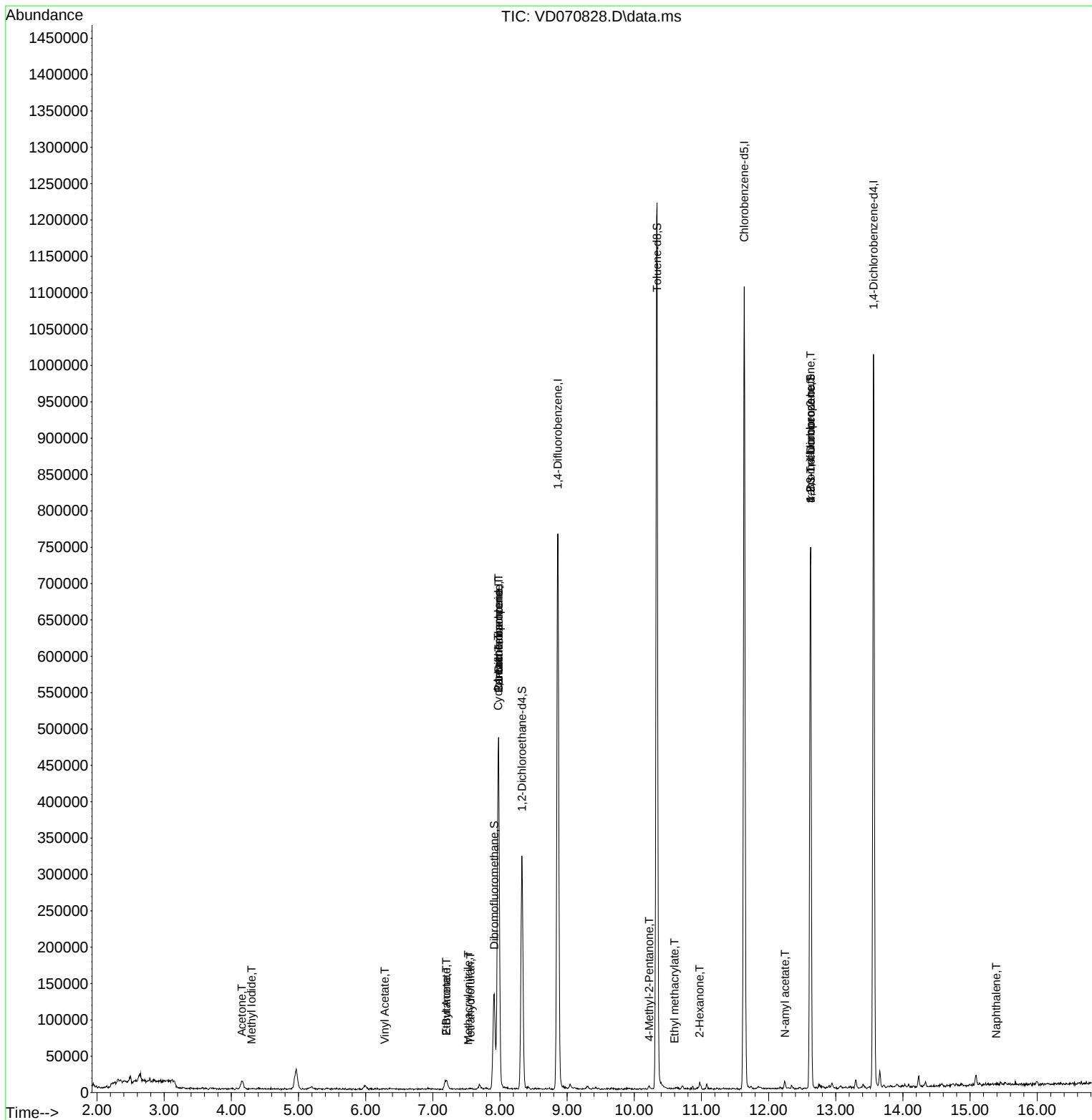
Quant Time: Oct 23 04:12:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

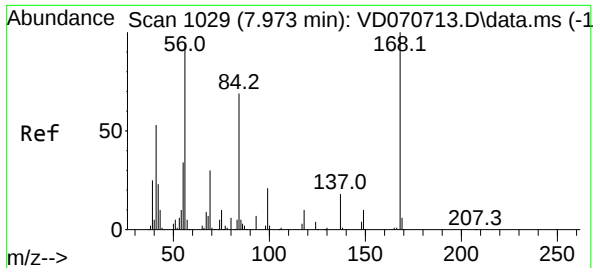
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	325947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	612336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	598572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	249739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247628	64.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.280%			
35) Dibromofluoromethane	7.914	113	94051	23.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 47.980%#			
50) Toluene-d8	10.338	98	783644	52.139	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.280%			
62) 4-Bromofluorobenzene	12.626	95	252262	48.744	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.480%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	184	3.362	ug/l #	38
16) Acetone	4.156	43	20110	21.597	ug/l #	83
20) Methylene Chloride	4.968	84	19179	Below Cal		88
23) Vinyl Acetate	6.285	43	61	16.337	ug/l #	69
25) 2-Butanone	7.203	43	6957	6.048	ug/l #	73
29) Tetrahydrofuran	7.561	42	885	1.257	ug/l #	43
31) Cyclohexane	7.973	56	9811	1.256	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	31695	4.646	ug/l #	49
37) Ethyl Acetate	7.203	43	6957	2.462	ug/l #	81
38) Carbon Tetrachloride	7.979	117	35471	5.429	ug/l #	16
41) Methacrylonitrile	7.526	41	170	2.035	ug/l #	53
51) 4-Methyl-2-Pentanone	10.220	43	3126	1.100	ug/l	99
56) Ethyl methacrylate	10.597	69	95	4.174	ug/l #	32
59) 2-Hexanone	10.973	43	5803	2.901	ug/l	71
74) N-amyl acetate	12.244	43	6909	1.491	ug/l #	43
76) 1,2,3-Trichloropropane	12.626	75	130671	60.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	130671	132.649	ug/l #	17
95) Naphthalene	15.390	128	1104	4.916	ug/l #	69

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

Quant Time: Oct 23 04:12:32 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

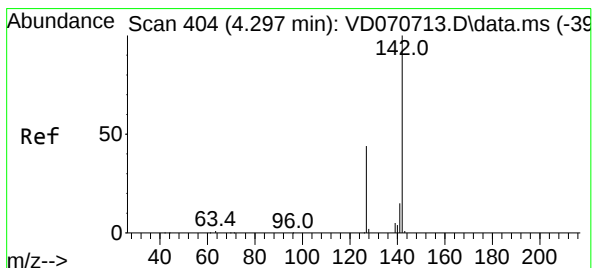
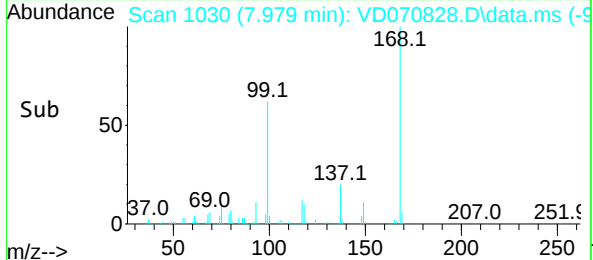
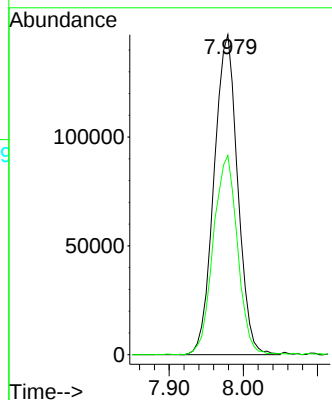
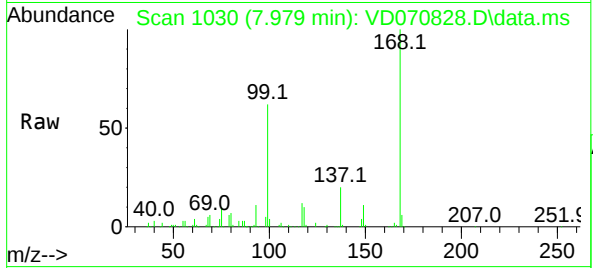




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

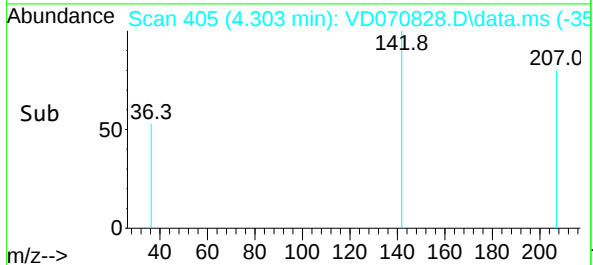
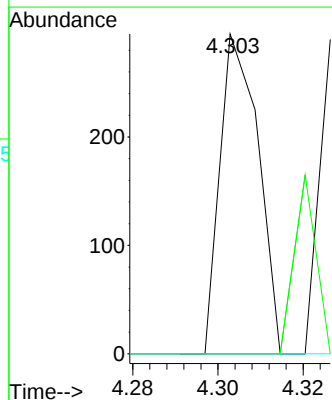
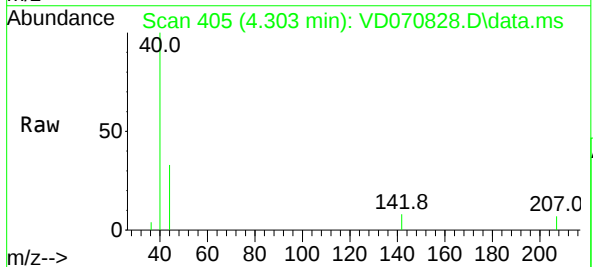
Instrument :
MSVOA_D
ClientSampleId :

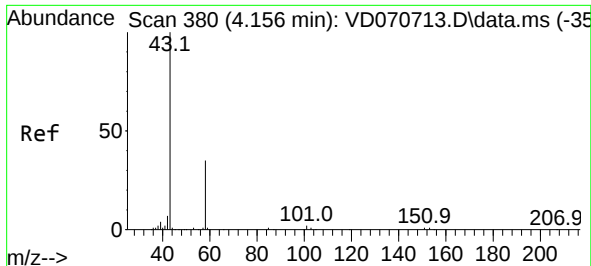
Tgt Ion:168 Resp: 325947
Ion Ratio Lower Upper
168 100
99 62.1 51.4 77.0



#10
Methyl Iodide
Concen: 3.362 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

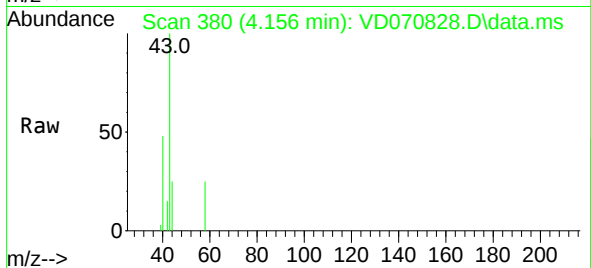
Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



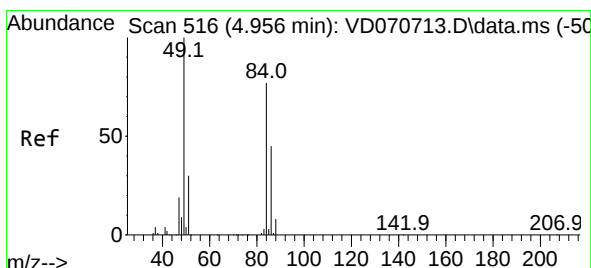
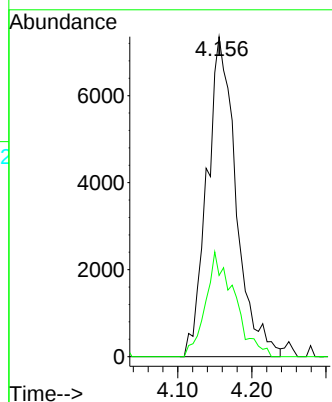
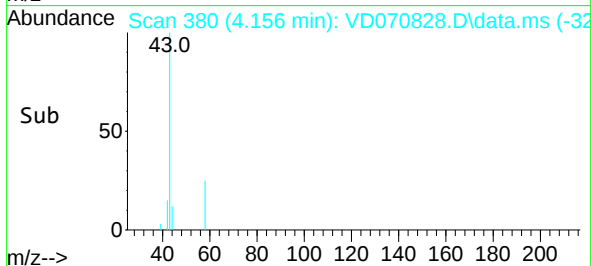


#16
Acetone
Concen: 21.597 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

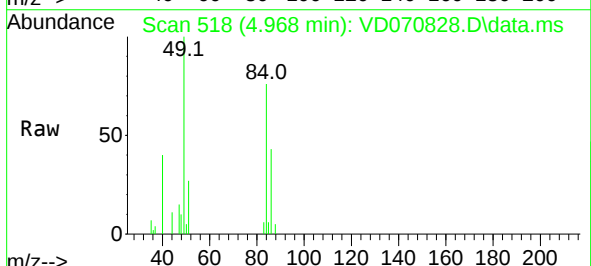
Instrument :
MSVOA_D
ClientSampleId :



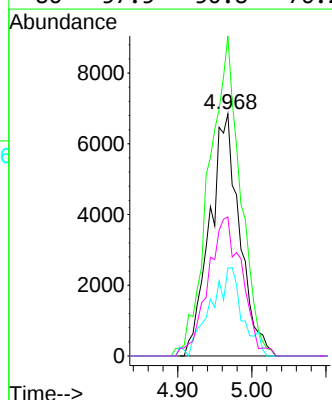
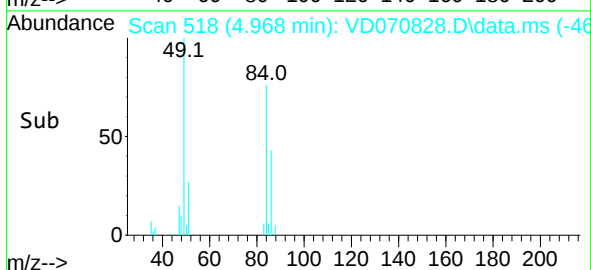
Tgt Ion: 43 Resp: 20110
Ion Ratio Lower Upper
43 100
58 25.4 28.2 42.2#

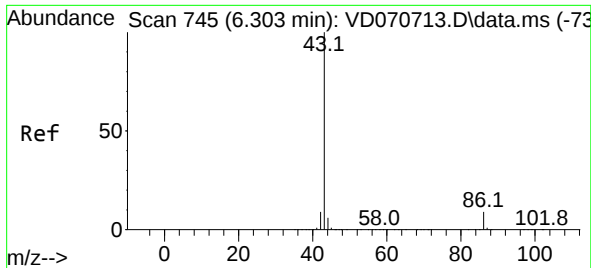


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42



Tgt Ion: 84 Resp: 19179
Ion Ratio Lower Upper
84 100
49 132.2 91.4 137.2
51 36.4 26.7 40.1
86 57.5 50.8 76.2

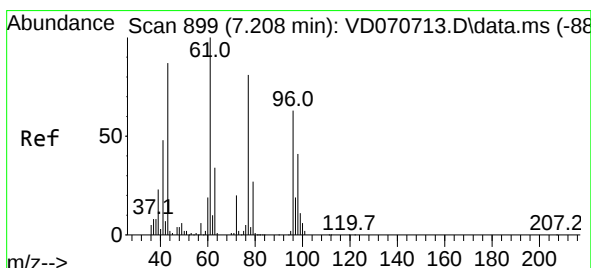
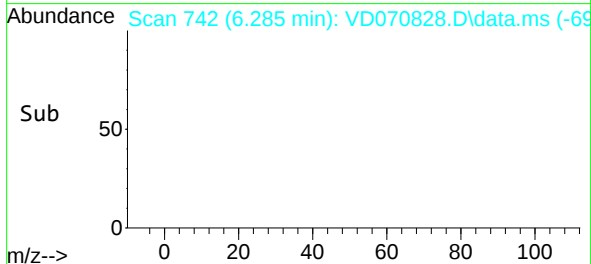
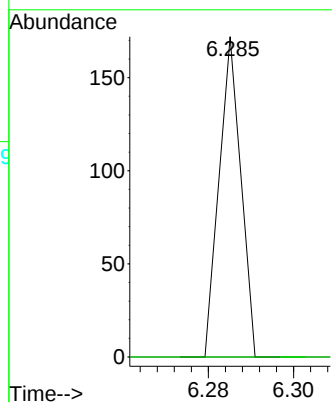
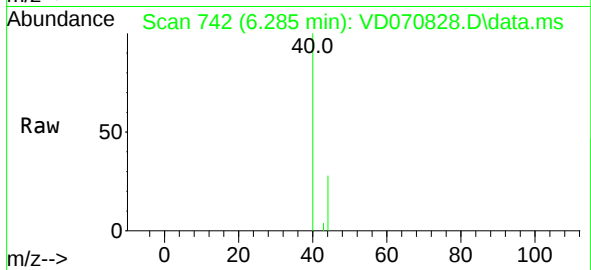




#23
 Vinyl Acetate
 Concen: 16.337 ug/l
 RT: 6.285 min Scan# 742
 Delta R.T. -0.018 min
 Lab File: VD070828.D
 Acq: 22 Oct 2021 16:42

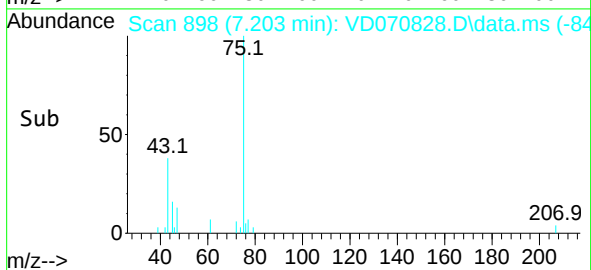
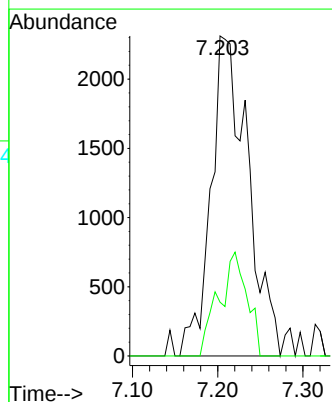
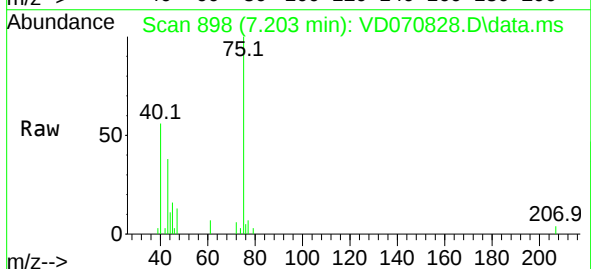
Instrument :
 MSVOA_D
 ClientSampled :

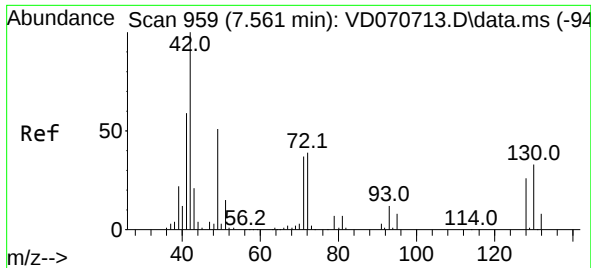
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 6.048 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.006 min
 Lab File: VD070828.D
 Acq: 22 Oct 2021 16:42

Tgt Ion: 43 Resp: 6957
 Ion Ratio Lower Upper
 43 100
 72 16.8 25.2 37.8#





#29

Tetrahydrofuran

Concen: 1.257 ug/l

RT: 7.561 min Scan# 959

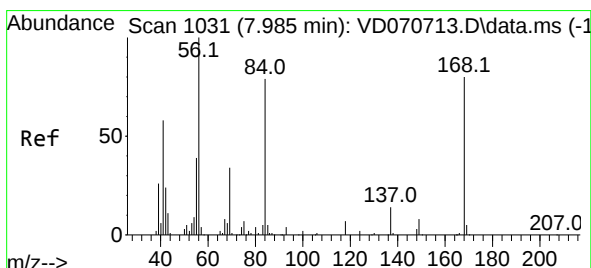
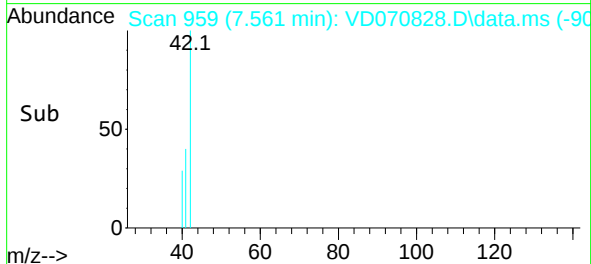
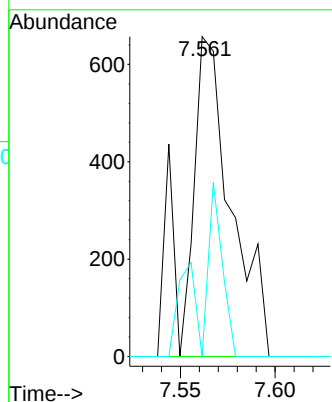
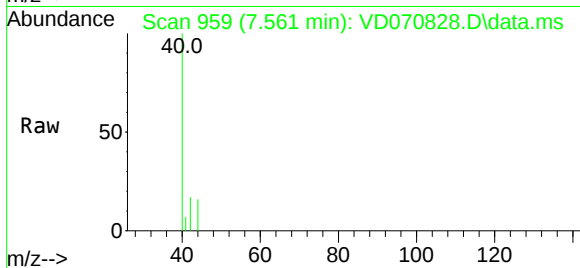
Delta R.T. 0.000 min

Lab File: VD070828.D

Acq: 22 Oct 2021 16:42

Tgt Ion:	42	Resp:	885
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.2	60.4#
71	20.3	37.2	55.8#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 1.256 ug/l

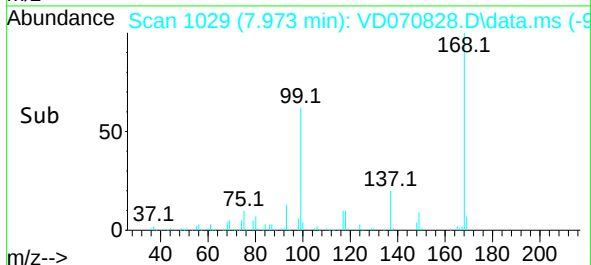
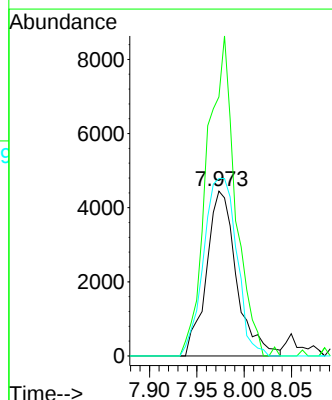
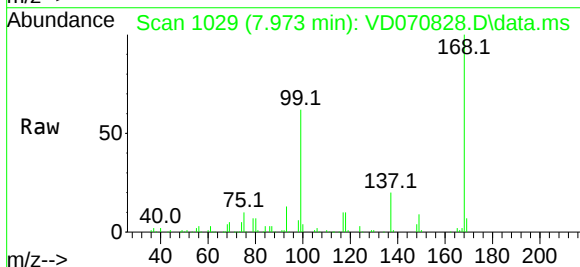
RT: 7.973 min Scan# 1029

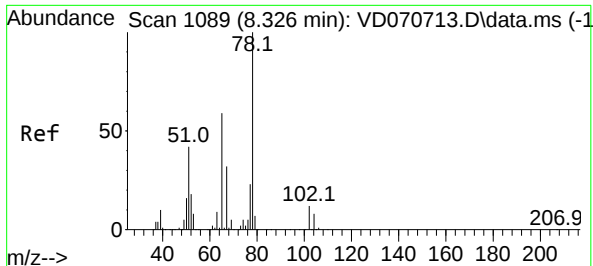
Delta R.T. -0.012 min

Lab File: VD070828.D

Acq: 22 Oct 2021 16:42

Tgt Ion:	56	Resp:	9811
Ion	Ratio	Lower	Upper
56	100		
69	157.2	27.4	41.2#
84	107.7	73.6	110.4



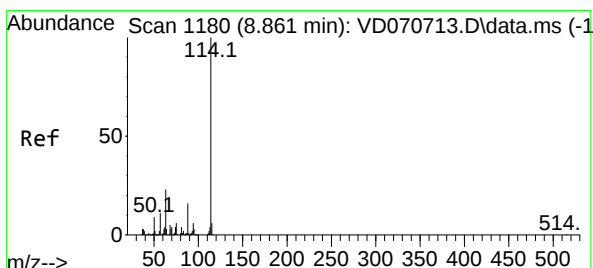
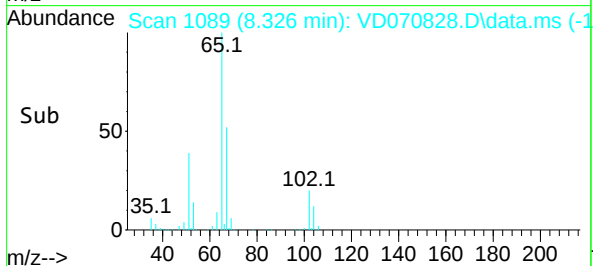
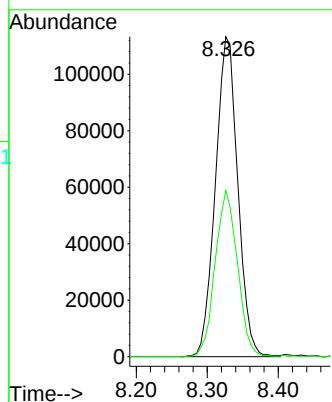
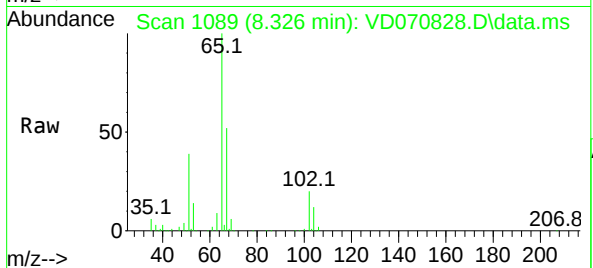


#33

1,2-Dichloroethane-d4
Concen: 64.142 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Instrument :
MSVOA_D
ClientSampled :

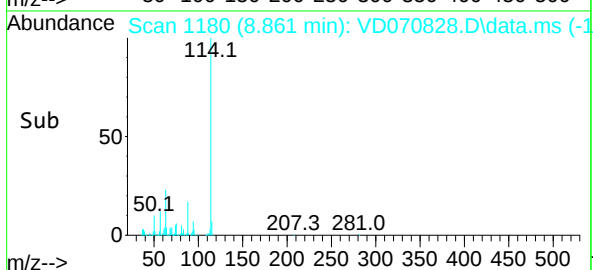
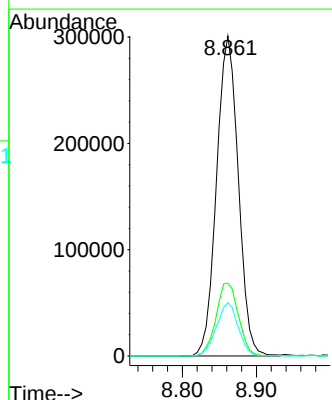
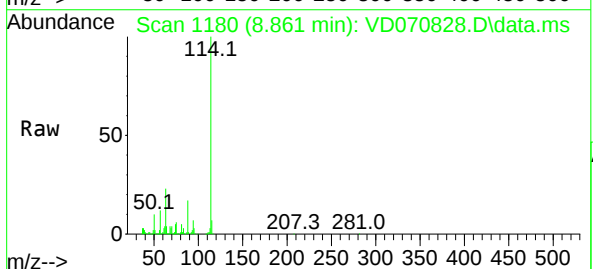
Tgt Ion: 65 Resp: 247628
Ion Ratio Lower Upper
65 100
67 51.8 0.0 110.2

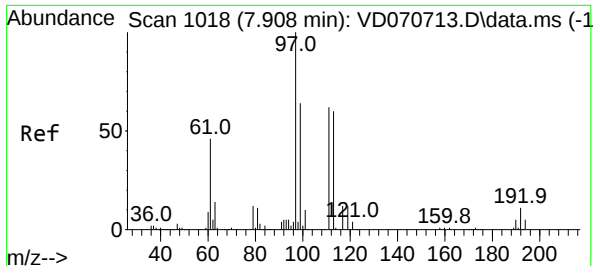


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Tgt Ion: 114 Resp: 612336
Ion Ratio Lower Upper
114 100
63 22.8 0.0 41.8
88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 23.988 ug/l

RT: 7.914 min Scan# 1019

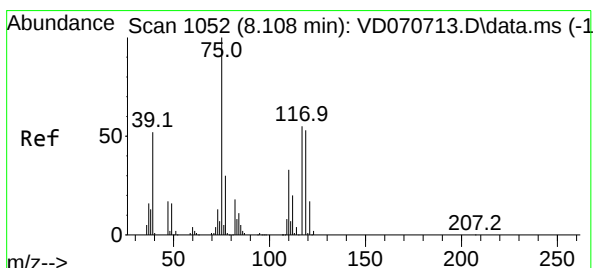
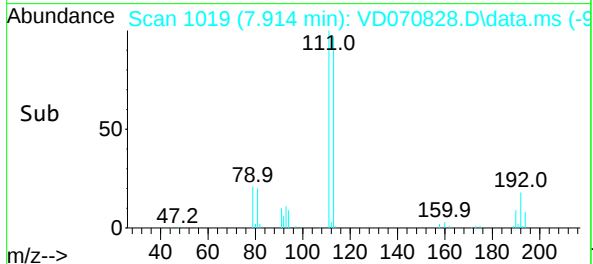
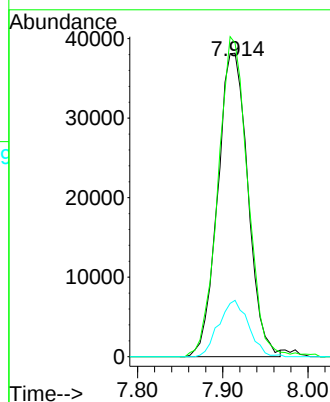
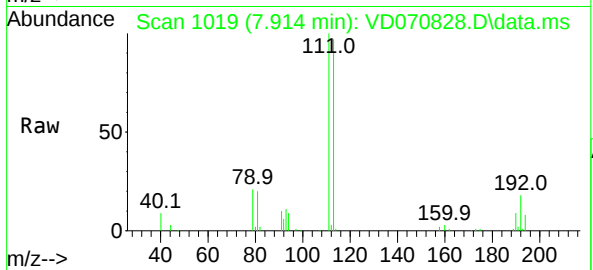
Delta R.T. 0.006 min

Lab File: VD070828.D

Acq: 22 Oct 2021 16:42

Tgt Ion:	113	Resp:	94051
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	18.3	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.646 ug/l

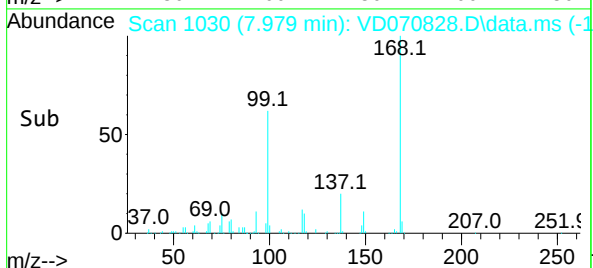
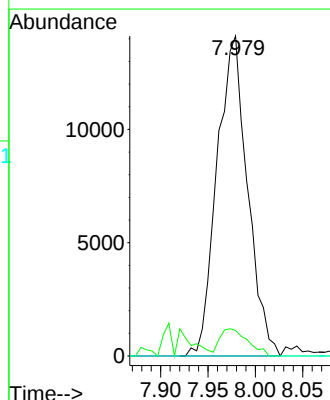
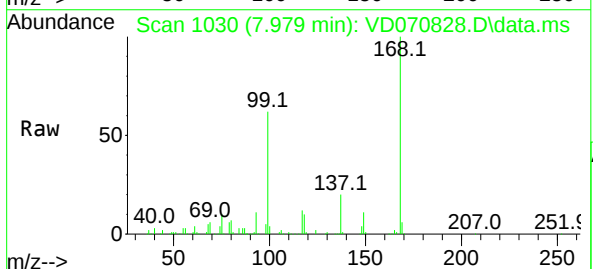
RT: 7.979 min Scan# 1030

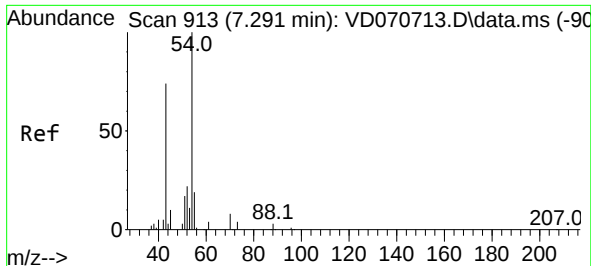
Delta R.T. -0.129 min

Lab File: VD070828.D

Acq: 22 Oct 2021 16:42

Tgt Ion:	75	Resp:	31695
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.2	51.6#
77	0.0	24.2	36.4#





#37

Ethyl Acetate

Concen: 2.462 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.088 min

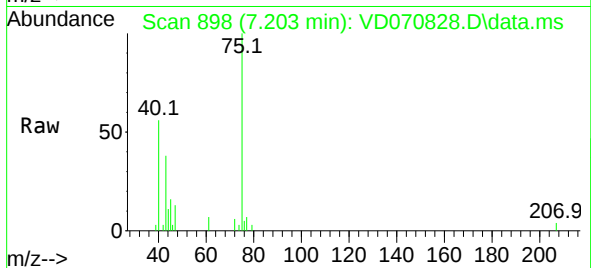
Lab File: VD070828.D

Acq: 22 Oct 2021 16:42

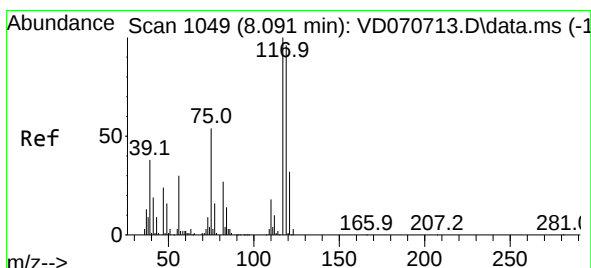
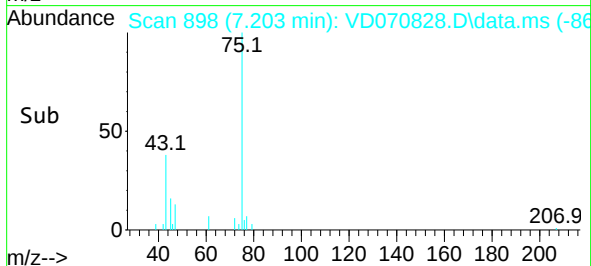
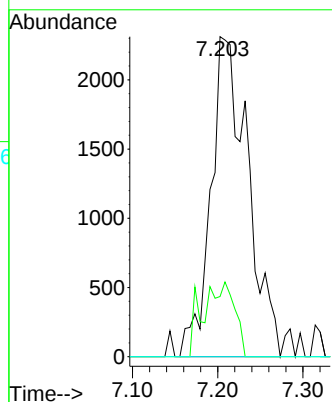
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	6957
Ion	Ratio	Lower	Upper
43	100		
61	20.0	12.9	19.3#
70	0.0	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 5.429 ug/l

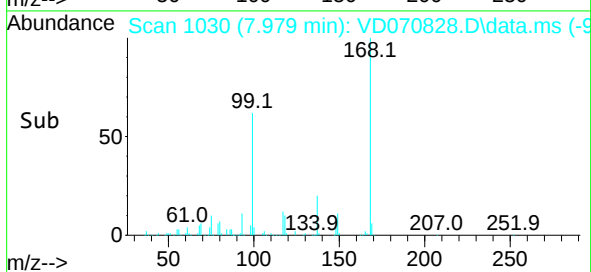
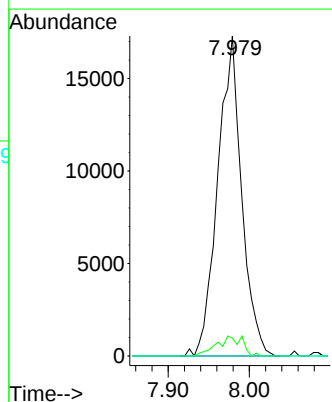
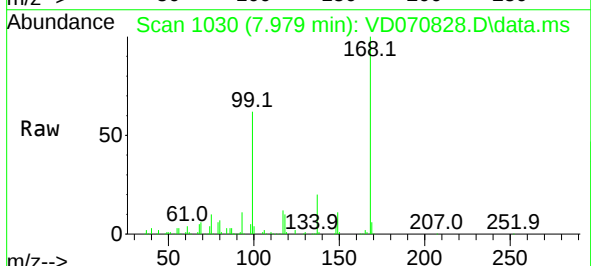
RT: 7.979 min Scan# 1030

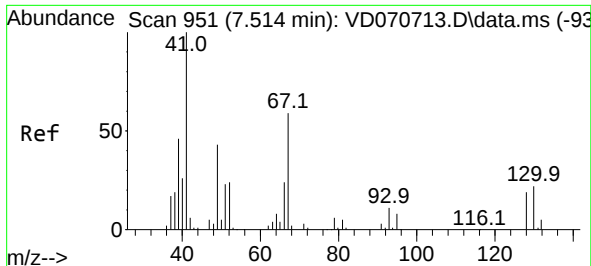
Delta R.T. -0.112 min

Lab File: VD070828.D

Acq: 22 Oct 2021 16:42

Tgt Ion:	117	Resp:	35471
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.4	116.0#
121	0.0	25.4	38.0#

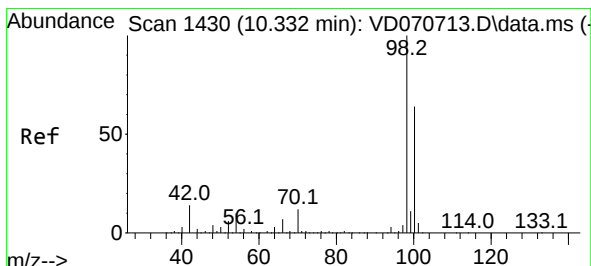
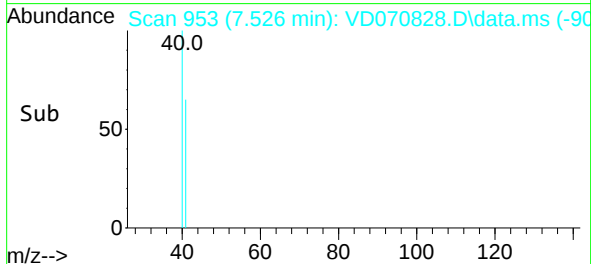
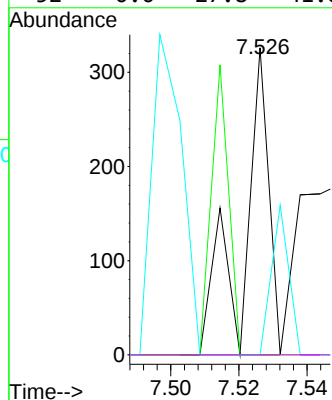
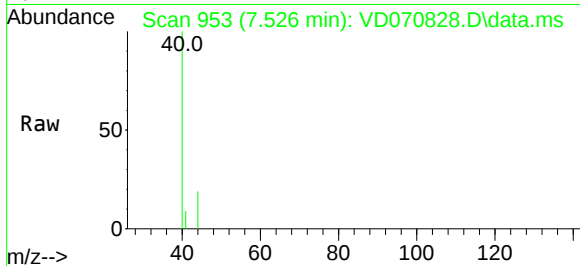




#41
Methacrylonitrile
Concen: 2.035 ug/l
RT: 7.526 min Scan# 953
Delta R.T. 0.012 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

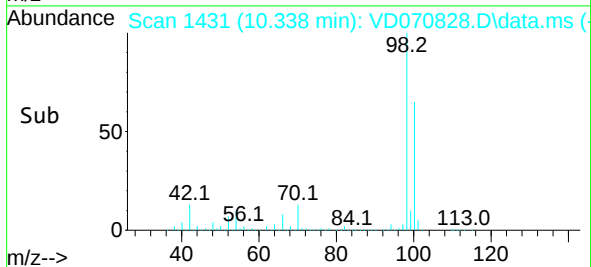
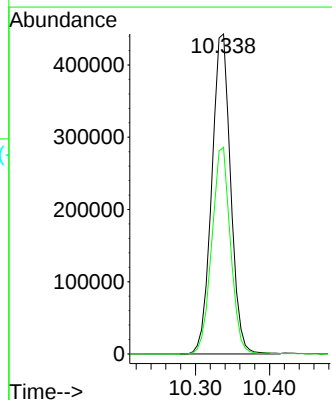
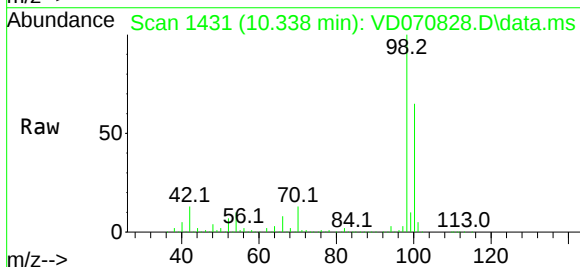
Instrument :
MSVOA_D
ClientSampled :

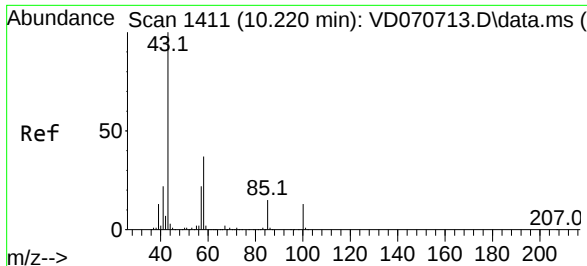
Tgt Ion: 41 Resp: 170
Ion Ratio Lower Upper
41 100
39 64.1 45.2 67.8
67 32.9 75.8 113.6#
52 0.0 27.8 41.8#



#50
Toluene-d8
Concen: 52.139 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Tgt Ion: 98 Resp: 783644
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

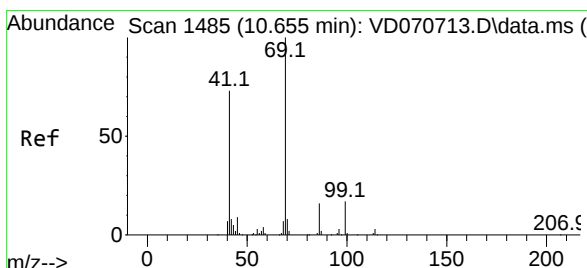
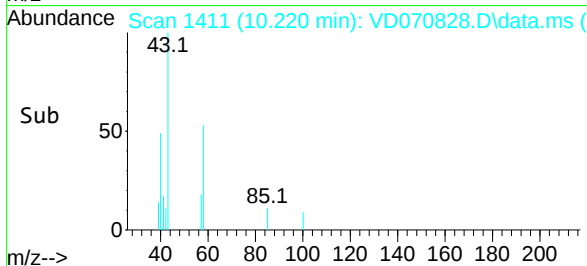
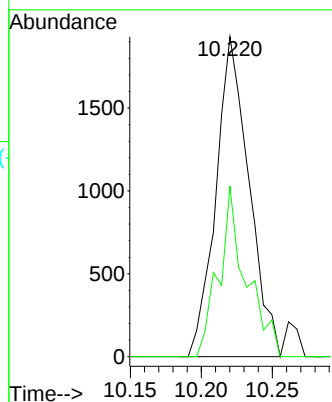
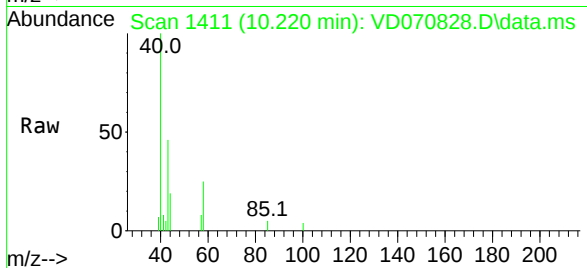




#51
4-Methyl-2-Pentanone
Concen: 1.100 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

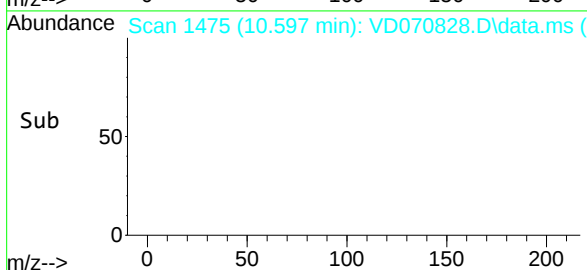
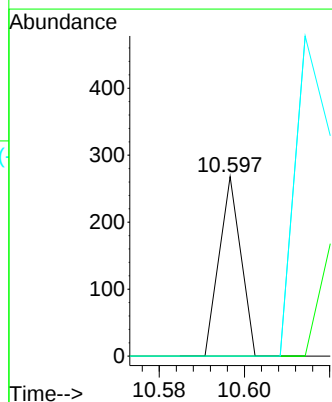
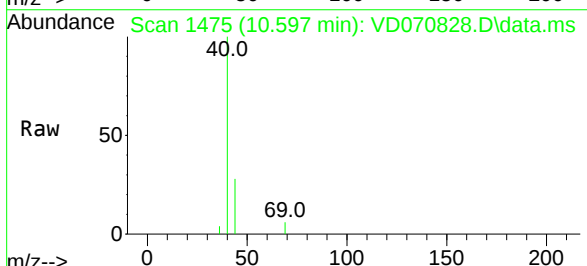
Instrument :
MSVOA_D
ClientSampleId :

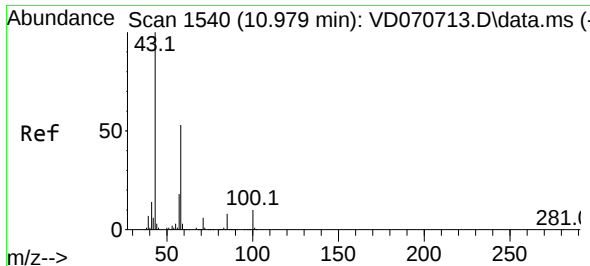
Tgt Ion: 43 Resp: 3126
Ion Ratio Lower Upper
43 100
58 44.3 35.0 52.6



#56
Ethyl methacrylate
Concen: 4.174 ug/l
RT: 10.597 min Scan# 1475
Delta R.T. -0.058 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Tgt Ion: 69 Resp: 95
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

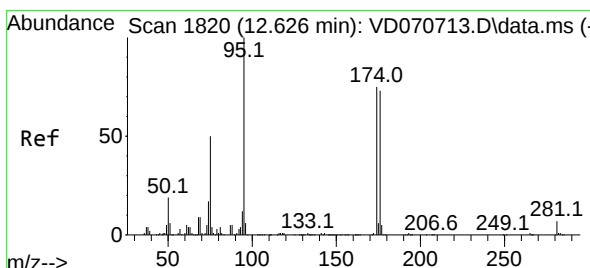
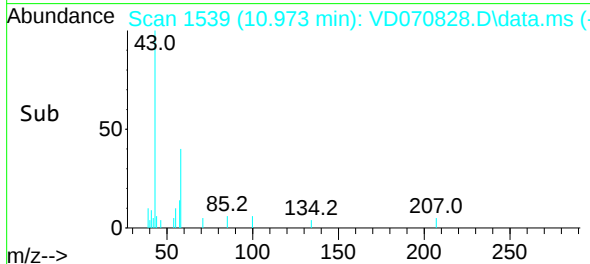
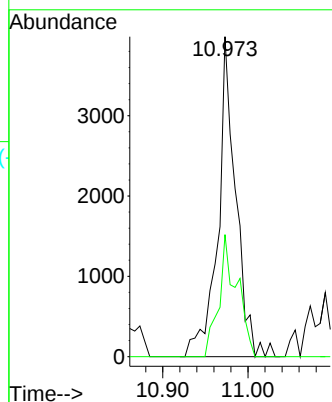
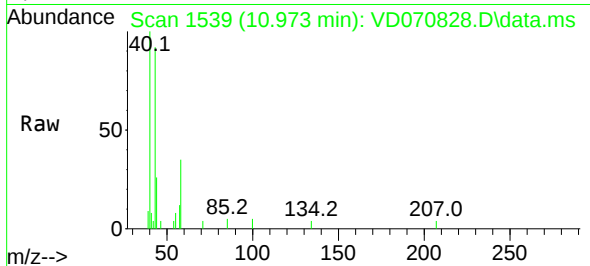




#59
2-Hexanone
Concen: 2.901 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

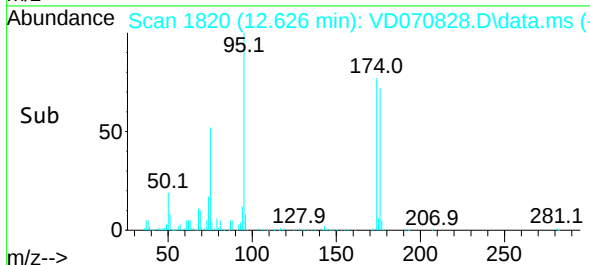
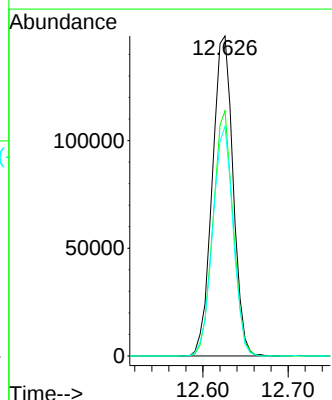
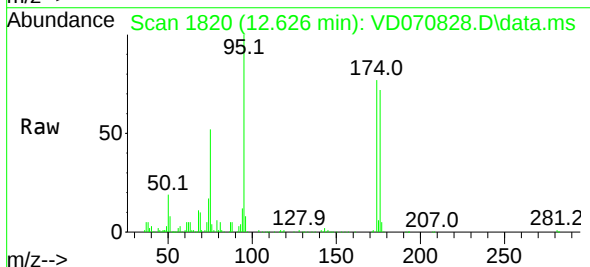
Instrument :
MSVOA_D
ClientSampled :

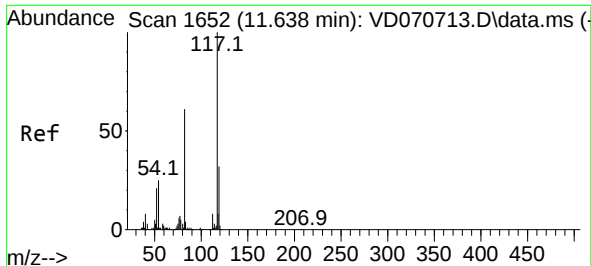
Tgt Ion: 43 Resp: 5803
Ion Ratio Lower Upper
43 100
58 38.8 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 48.744 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Tgt Ion: 95 Resp: 252262
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.0
176 70.6 0.0 135.6

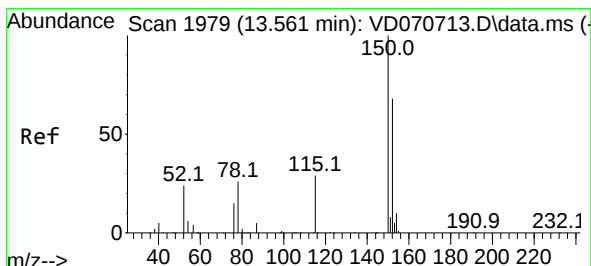
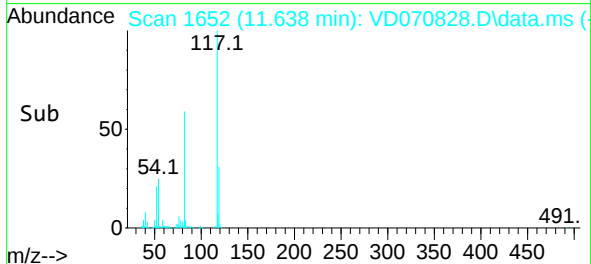
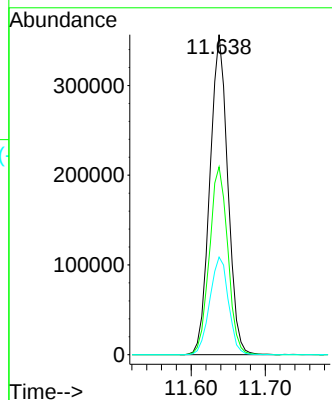
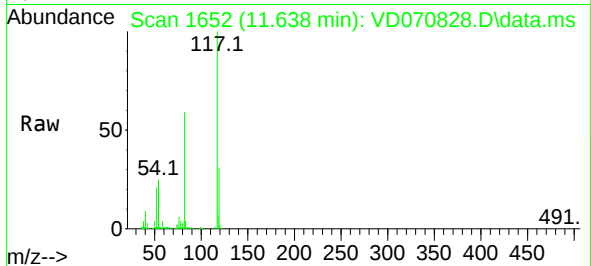




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

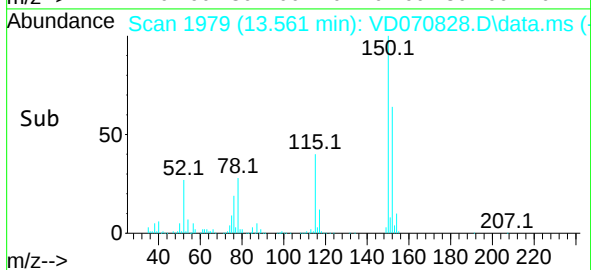
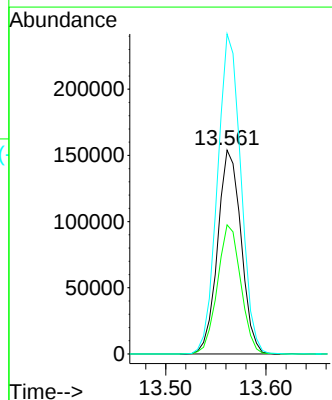
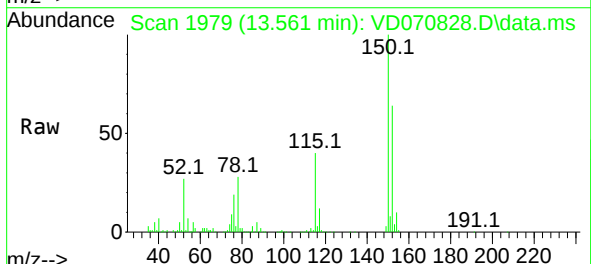
Instrument :
MSVOA_D
ClientSampleId :

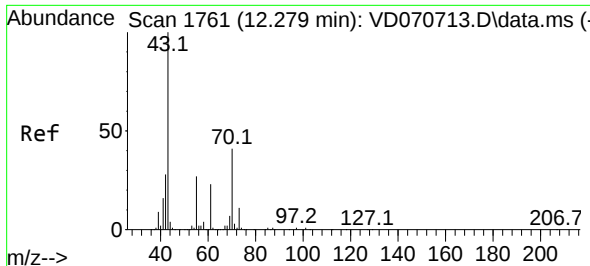
Tgt Ion:117 Resp: 598572
Ion Ratio Lower Upper
117 100
82 58.7 45.4 68.2
119 30.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

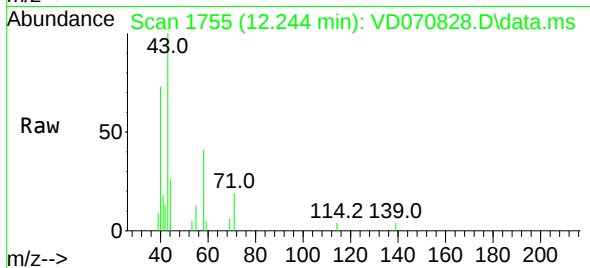
Tgt Ion:152 Resp: 249739
Ion Ratio Lower Upper
152 100
115 63.1 31.9 95.7
150 156.9 0.0 350.0



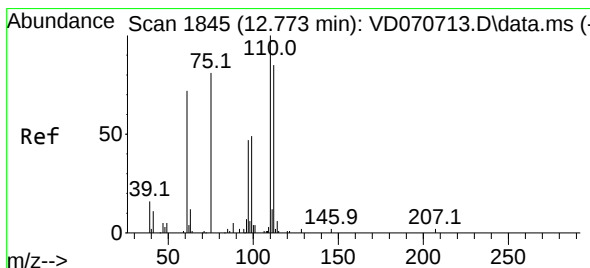
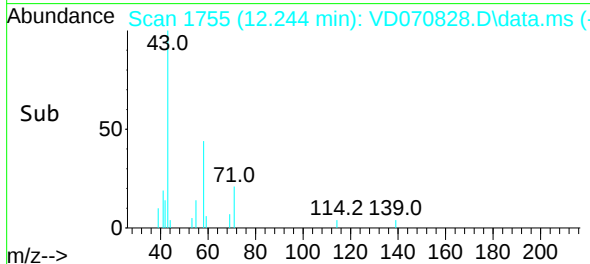
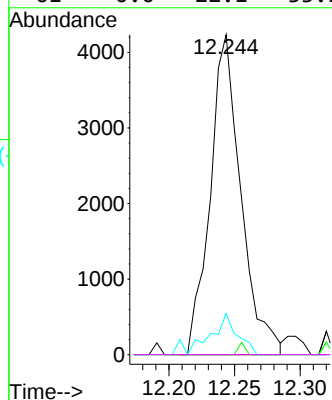


#74
N-amy1 acetate
Concen: 1.491 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

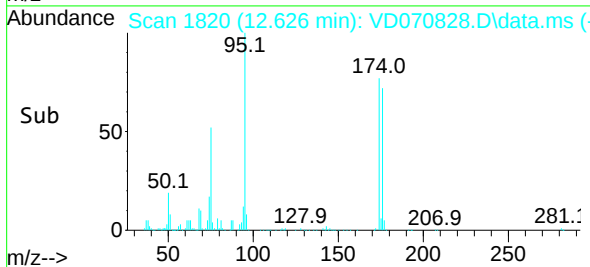
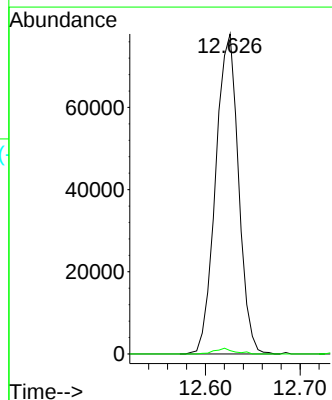
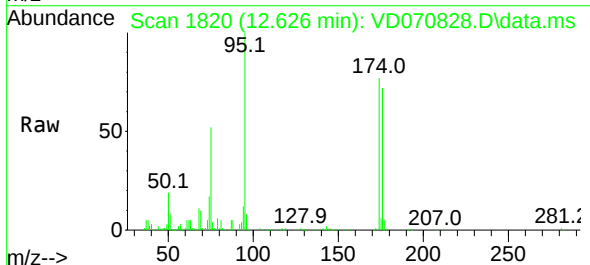


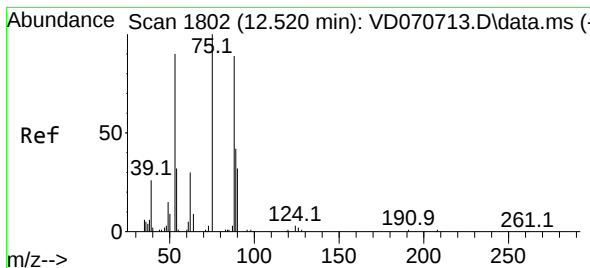
Tgt Ion: 43	Resp: 6909
Ion Ratio	Lower Upper
43 100	
70 0.8	40.0 60.0#
55 10.8	23.8 35.6#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 60.562 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Tgt Ion: 75	Resp: 130671
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

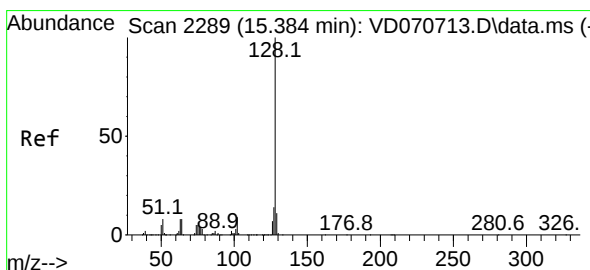
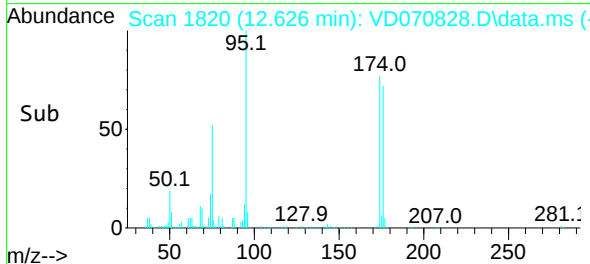
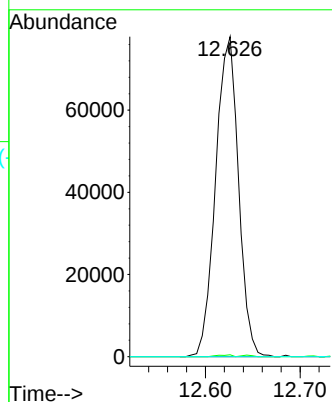
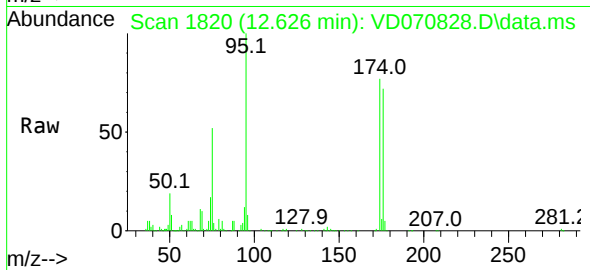




#81
trans-1,4-Dichloro-2-butene
Concen: 132.649 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 130671
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 4.916 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070828.D
Acq: 22 Oct 2021 16:42

Tgt Ion:128 Resp: 1104
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

