

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069921.D
 Acq On : 29 Jul 2021 19:50
 Operator : VA/SY
 Sample : M3234-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:58:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	45550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	81631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	83475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	32219	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	46372	88.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.040%#	
35) Dibromofluoromethane	7.914	113	29180	56.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.400%	
50) Toluene-d8	10.338	98	99649	50.219	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.440%	
62) 4-Bromofluorobenzene	12.626	95	32658	49.247	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.500%	

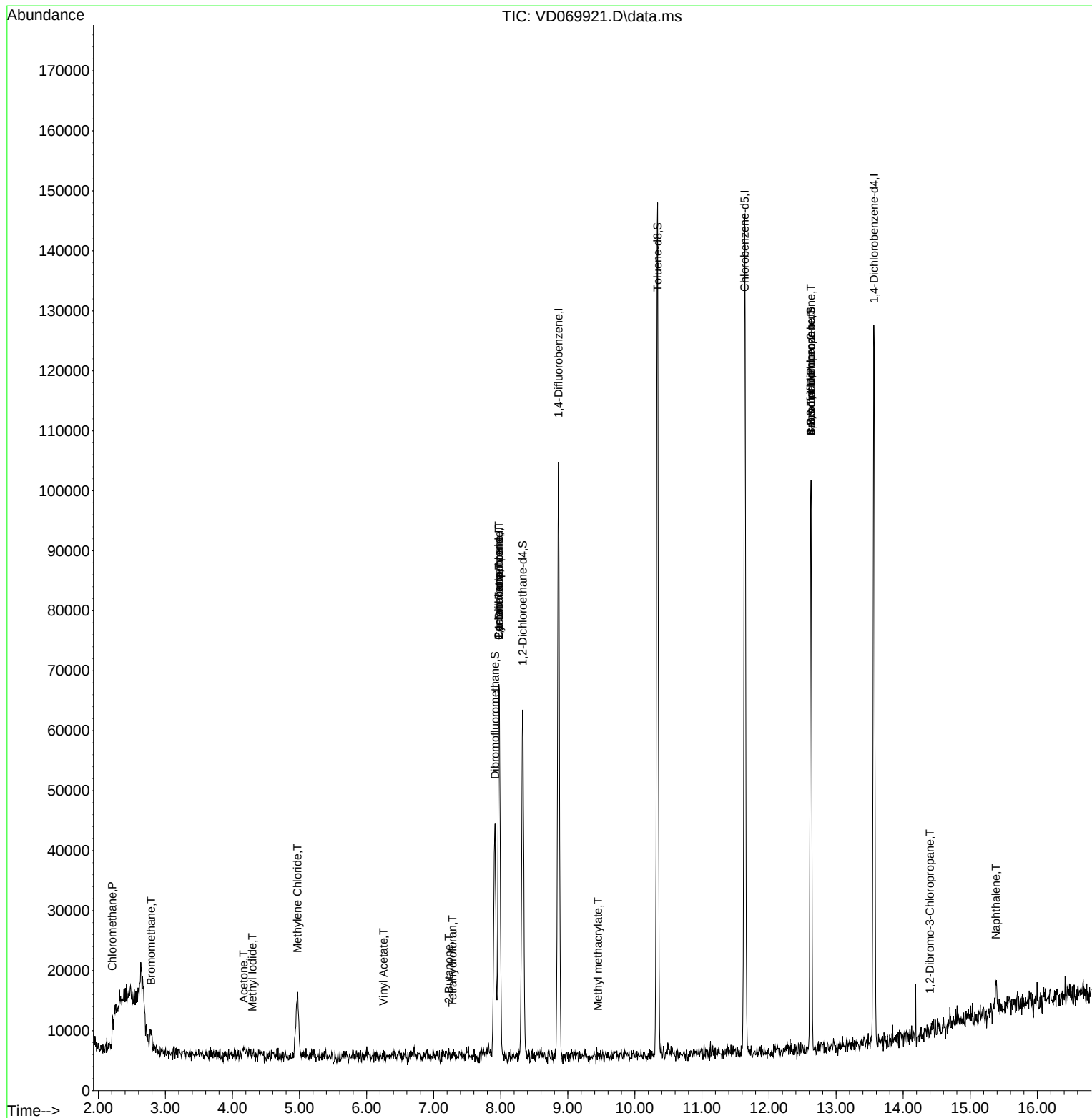
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1027	1.477	ug/l #	78
5) Bromomethane	2.785	94	1996	2.821	ug/l #	55
10) Methyl Iodide	4.297	142	207	3.803	ug/l #	40
16) Acetone	4.168	43	1904	20.120	ug/l #	69
20) Methylene Chloride	4.968	84	8511	6.981	ug/l #	79
23) Vinyl Acetate	6.250	43	98	20.448	ug/l #	71
25) 2-Butanone	7.226	43	195	1.519	ug/l #	46
29) Tetrahydrofuran	7.279	42	95	1.144	ug/l #	32
31) Cyclohexane	7.973	56	1130	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	4313	4.896	ug/l #	46
38) Carbon Tetrachloride	7.973	117	4728	5.876	ug/l #	24
48) Methyl methacrylate	9.450	41	145	3.194	ug/l #	13
71) Bromoform	12.626	173	314	1.039	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	14708	42.948	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	14708	130.292	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.396	75	72	1.082	ug/l #	7
95) Naphthalene	15.385	128	4332	8.701	ug/l	97

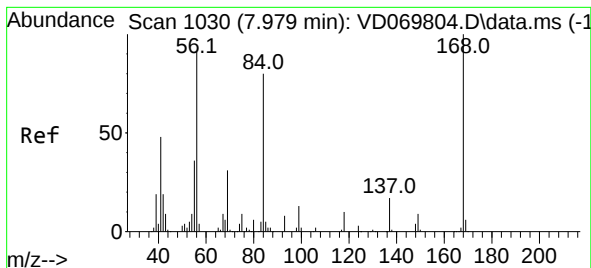
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069921.D

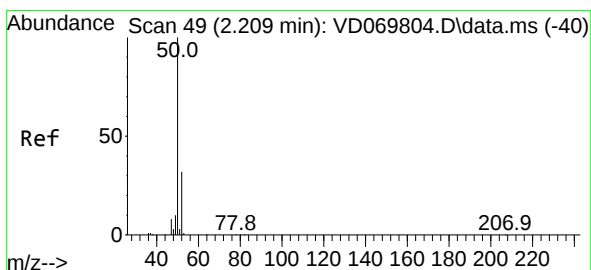
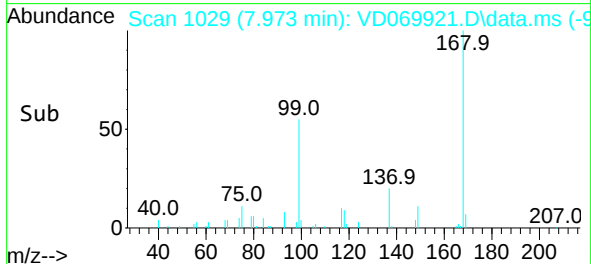
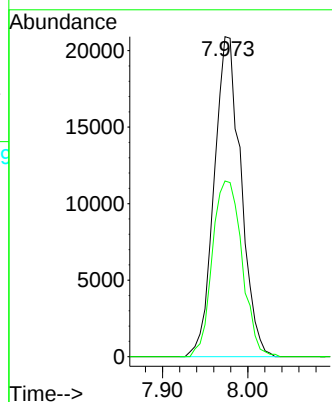
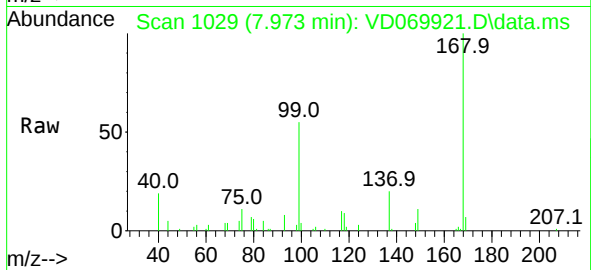
Acq: 29 Jul 2021 19:50

Tgt Ion:168 Resp: 45550

Ion Ratio Lower Upper

168 100

99 54.9 51.1 76.7



#3

Chloromethane

Concen: 1.477 ug/l

RT: 2.209 min Scan# 49

Delta R.T. 0.000 min

Lab File: VD069921.D

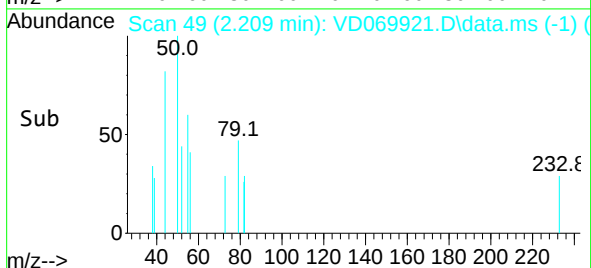
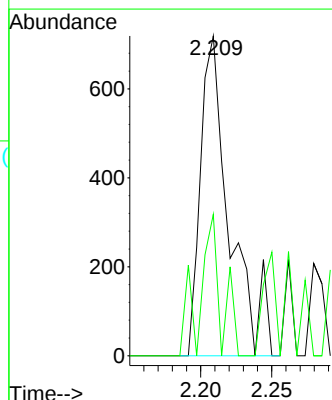
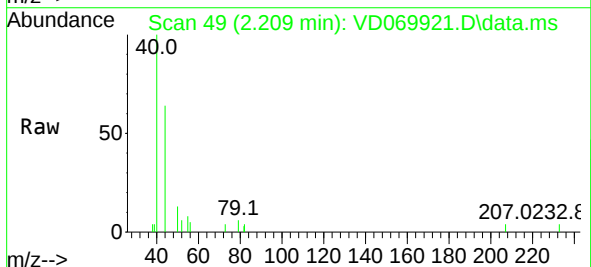
Acq: 29 Jul 2021 19:50

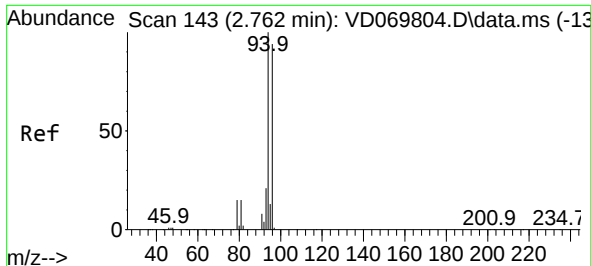
Tgt Ion: 50 Resp: 1027

Ion Ratio Lower Upper

50 100

52 44.2 25.7 38.5#

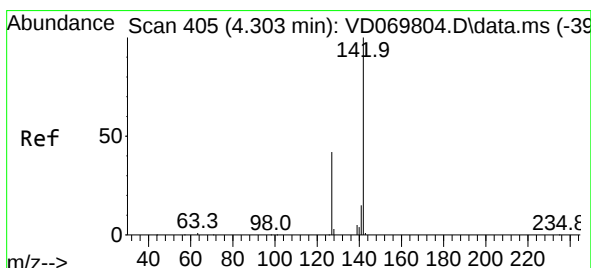
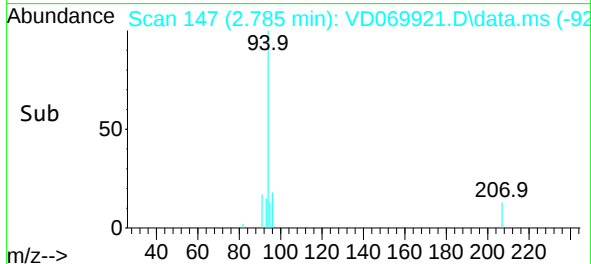
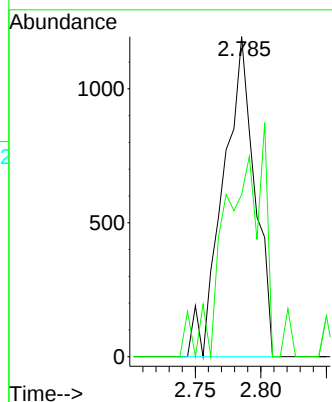
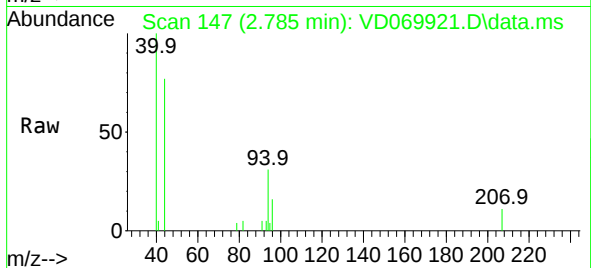




#5
Bromomethane
Concen: 2.821 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

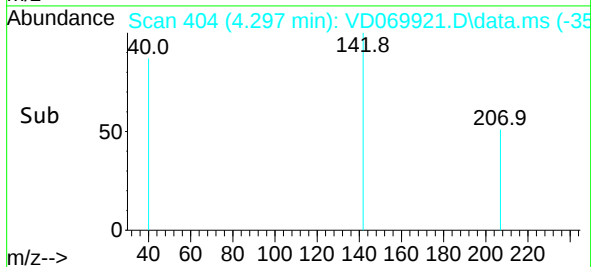
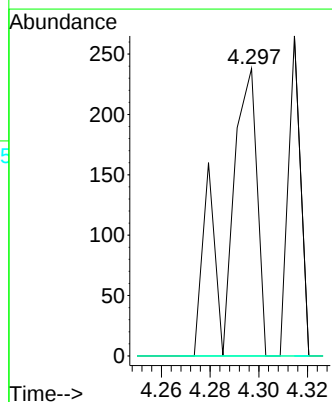
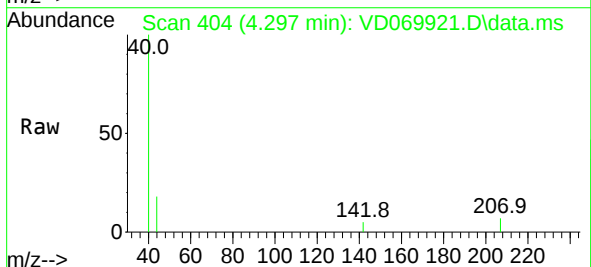
Instrument :
MSVOA_D
ClientSampleId :

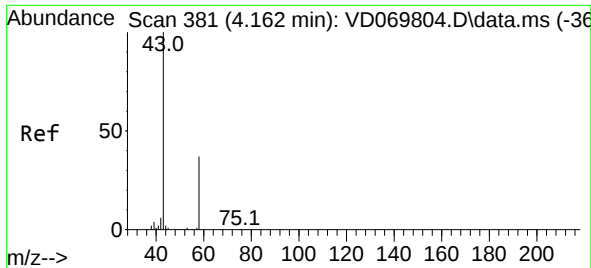
Tgt Ion: 94 Resp: 1996
Ion Ratio Lower Upper
94 100
96 50.6 74.8 112.2#



#10
Methyl Iodide
Concen: 3.803 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion: 142 Resp: 207
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#

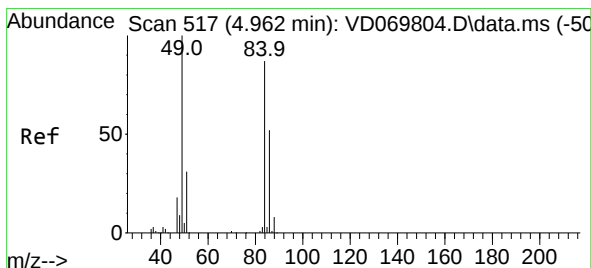
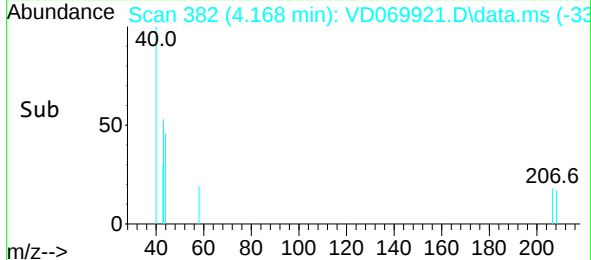
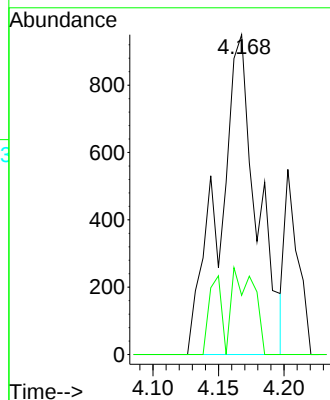
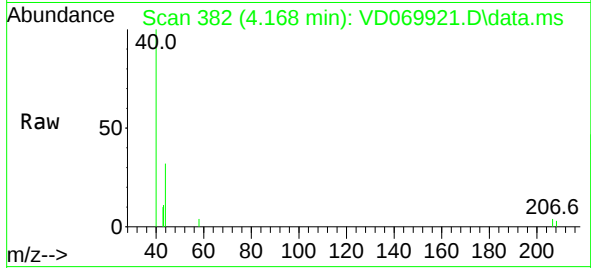




#16
Acetone
Concen: 20.120 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

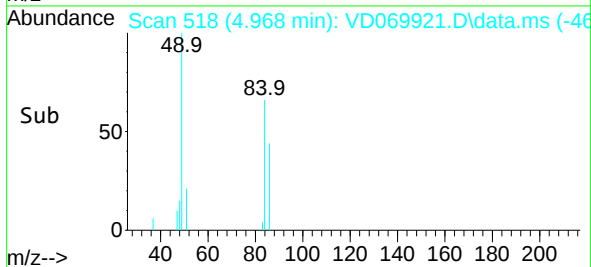
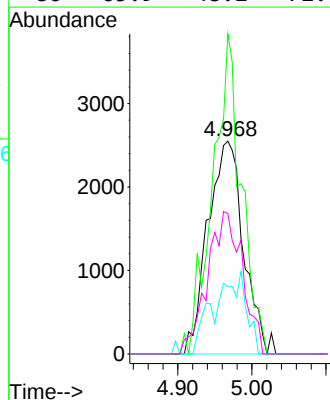
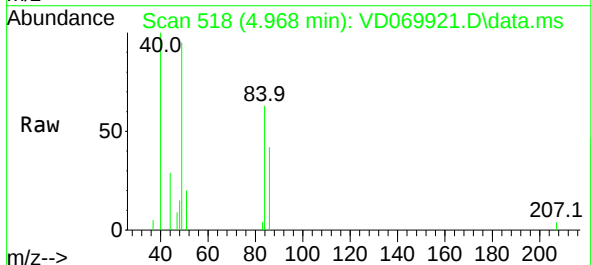
Instrument :
MSVOA_D
ClientSampled :

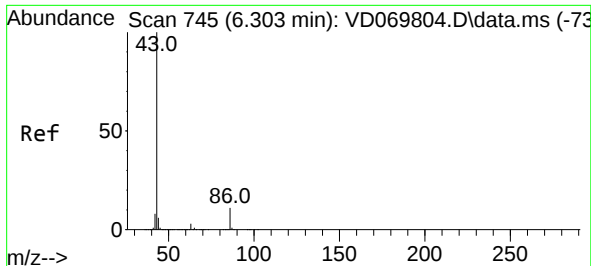
Tgt Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
58 18.5 29.4 44.0#



#20
Methylene Chloride
Concen: 6.981 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion: 84 Resp: 8511
Ion Ratio Lower Upper
84 100
49 150.4 92.4 138.6#
51 31.5 28.5 42.7
86 65.9 48.2 72.4

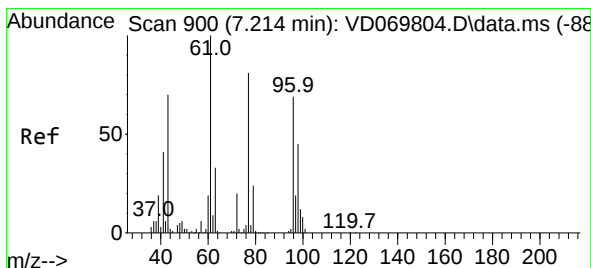
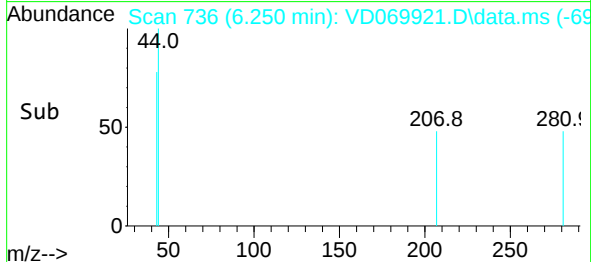
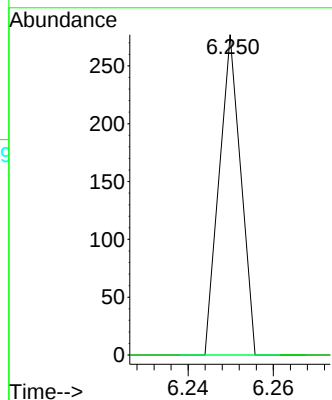
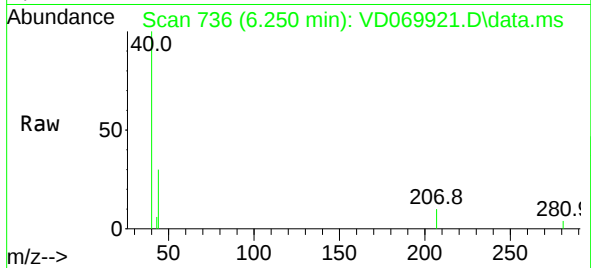




#23
 Vinyl Acetate
 Concen: 20.448 ug/l
 RT: 6.250 min Scan# 736
 Delta R.T. -0.053 min
 Lab File: VD069921.D
 Acq: 29 Jul 2021 19:50

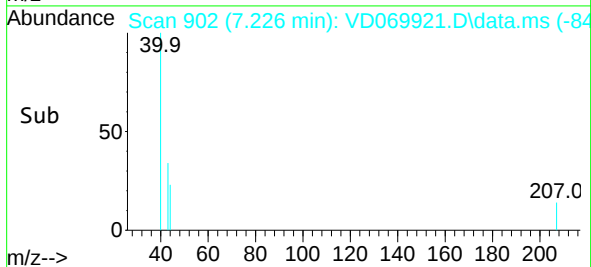
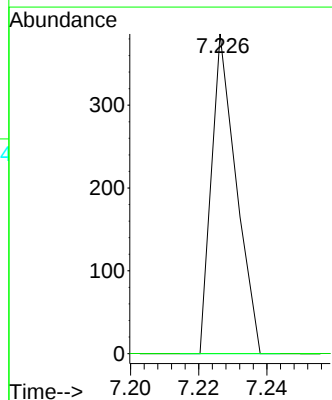
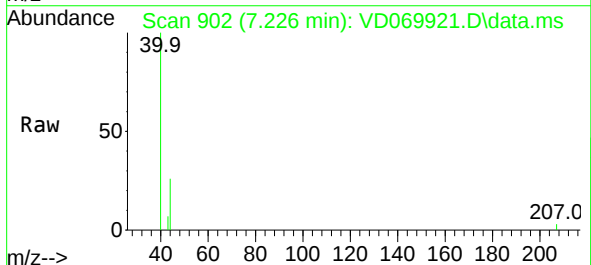
Instrument :
 MSVOA_D
 ClientSampleId :

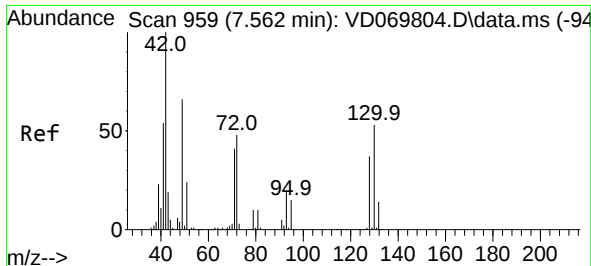
Tgt Ion: 43 Resp: 98
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 1.519 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.012 min
 Lab File: VD069921.D
 Acq: 29 Jul 2021 19:50

Tgt Ion: 43 Resp: 195
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#





#29

Tetrahydrofuran

Concen: 1.144 ug/l

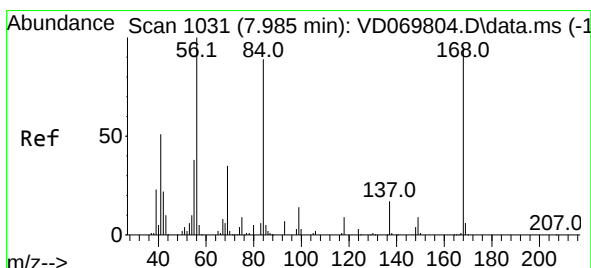
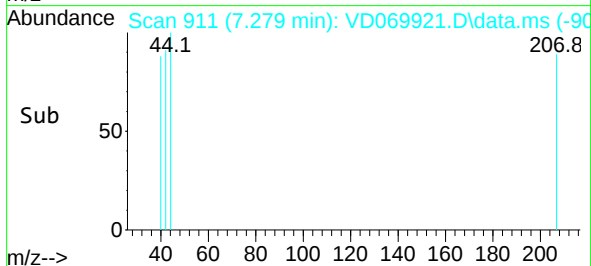
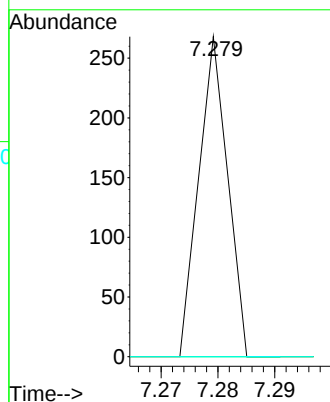
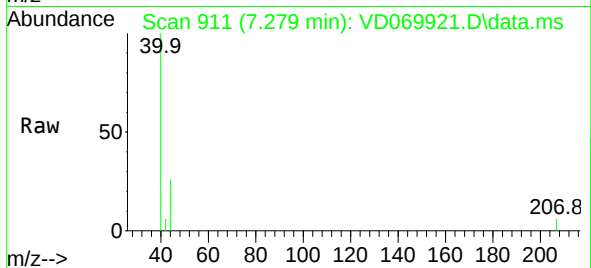
RT: 7.279 min Scan# 911

Delta R.T. -0.282 min

Lab File: VD069921.D

Acq: 29 Jul 2021 19:50

Tgt Ion:	42	Resp:	95
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 1.104 ug/l

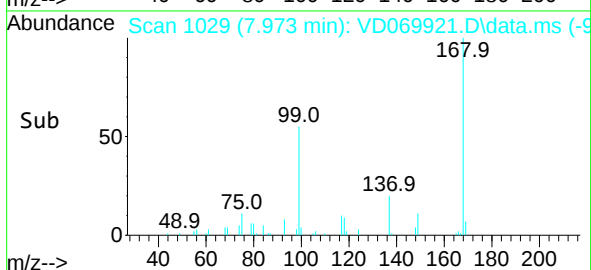
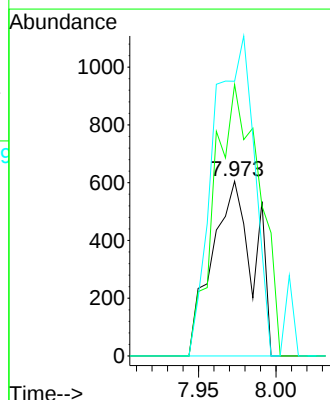
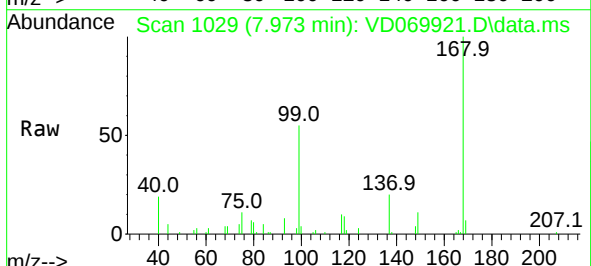
RT: 7.973 min Scan# 1029

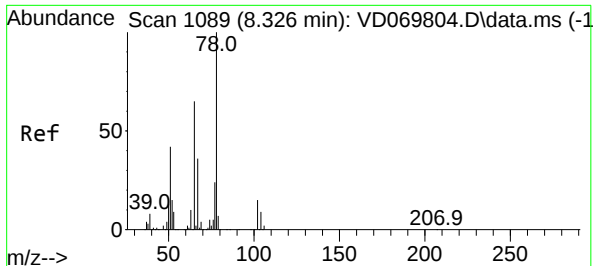
Delta R.T. -0.012 min

Lab File: VD069921.D

Acq: 29 Jul 2021 19:50

Tgt Ion:	56	Resp:	1130
Ion	Ratio	Lower	Upper
56	100		
69	155.4	27.9	41.9#
84	157.2	71.4	107.2#

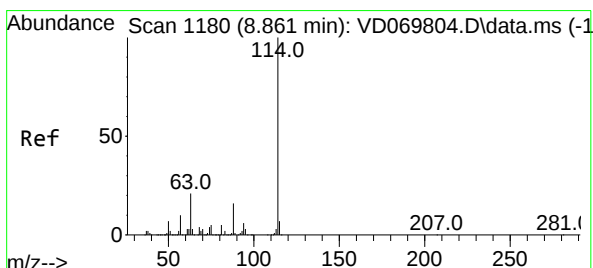
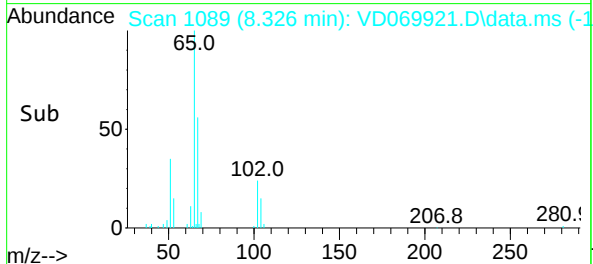
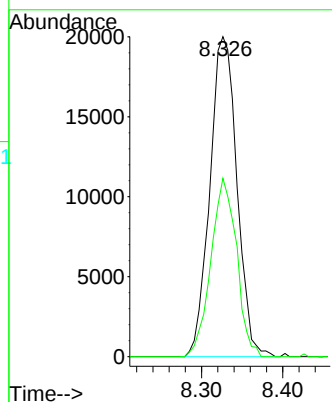
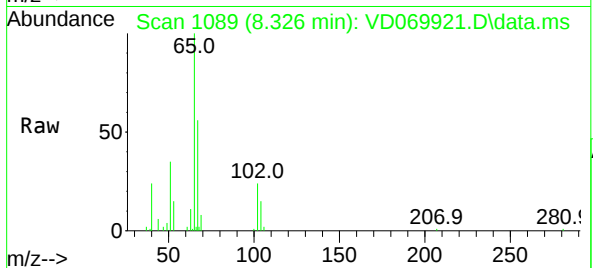




#33
 1,2-Dichloroethane-d4
 Concen: 88.519 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD069921.D
 Acq: 29 Jul 2021 19:50

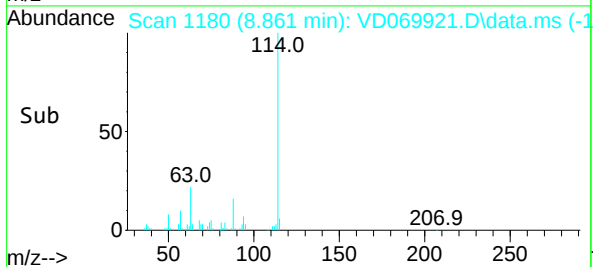
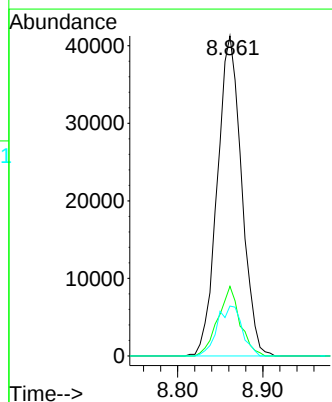
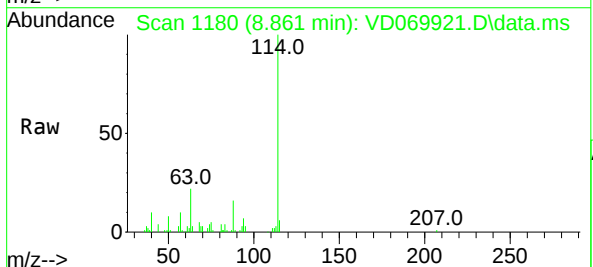
Instrument :
 MSVOA_D
 ClientSampleId :

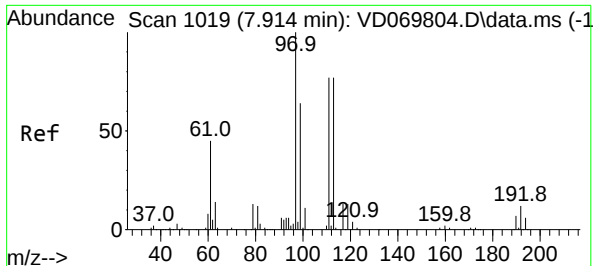
Tgt Ion: 65 Resp: 46372
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD069921.D
 Acq: 29 Jul 2021 19:50

Tgt Ion: 114 Resp: 81631
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.6
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 56.704 ug/l

RT: 7.914 min Scan# 1019

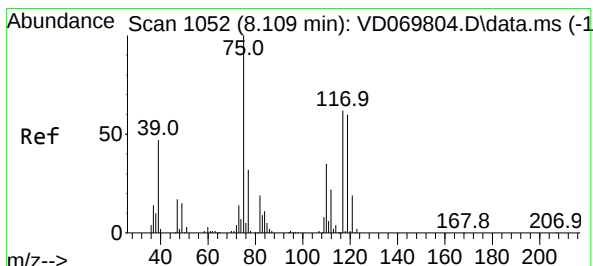
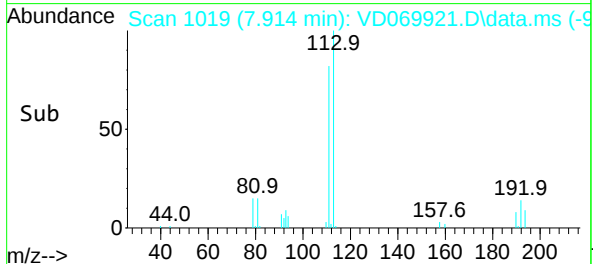
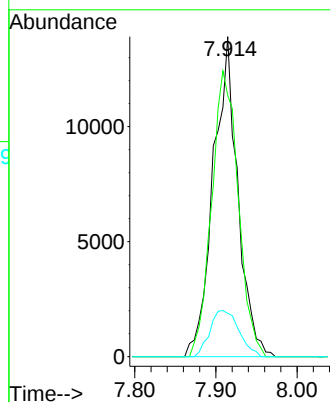
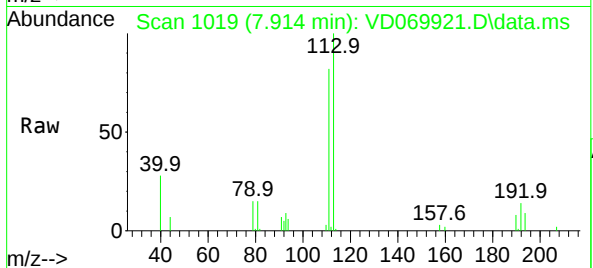
Delta R.T. 0.000 min

Lab File: VD069921.D

Acq: 29 Jul 2021 19:50

Tgt Ion:	113	Resp:	29180
Ion	Ratio	Lower	Upper
113	100		
111	96.9	80.5	120.7
192	17.1	12.6	19.0

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.896 ug/l

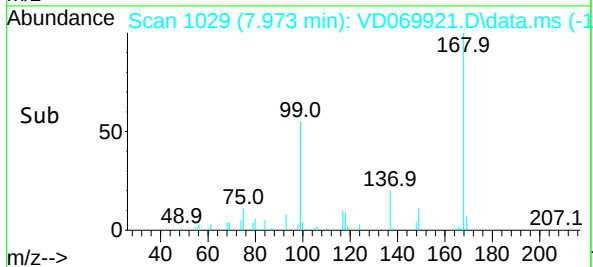
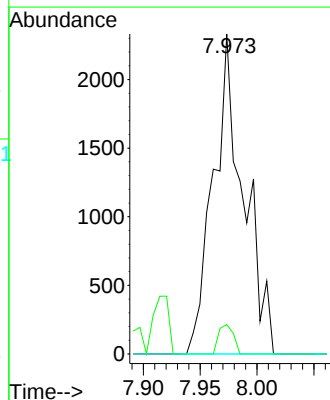
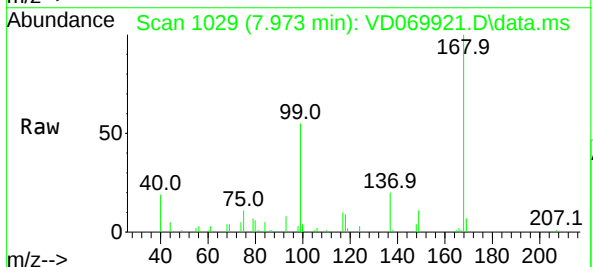
RT: 7.973 min Scan# 1029

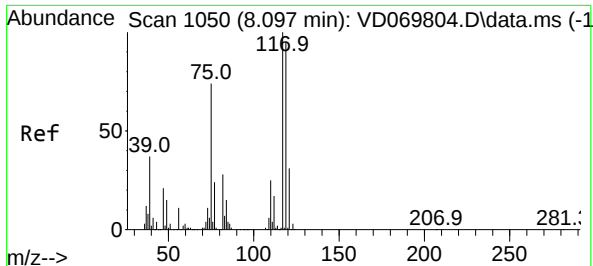
Delta R.T. -0.135 min

Lab File: VD069921.D

Acq: 29 Jul 2021 19:50

Tgt Ion:	75	Resp:	4313
Ion	Ratio	Lower	Upper
75	100		
110	4.5	16.9	50.7#
77	0.0	24.9	37.3#

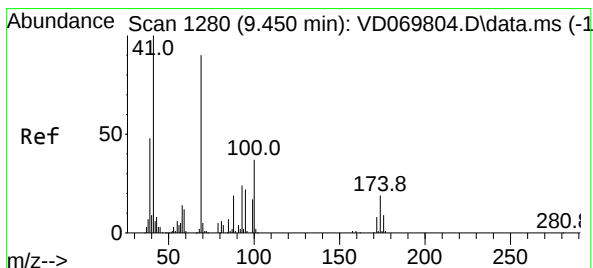
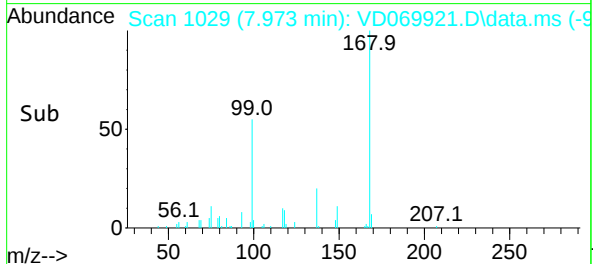
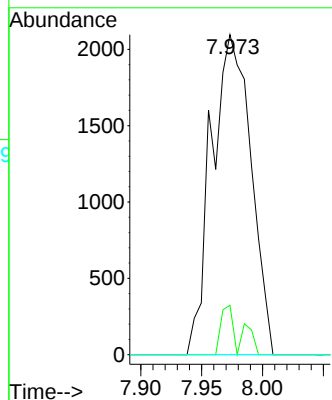
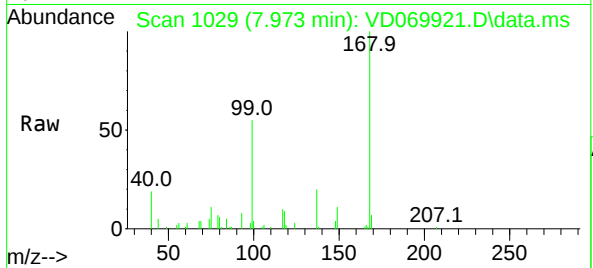




#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

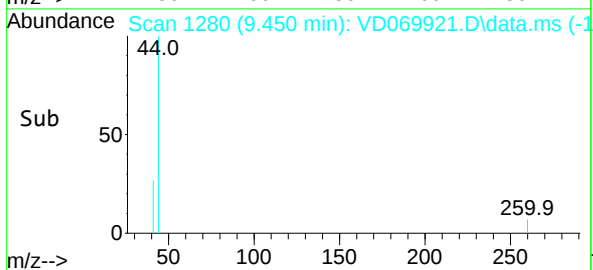
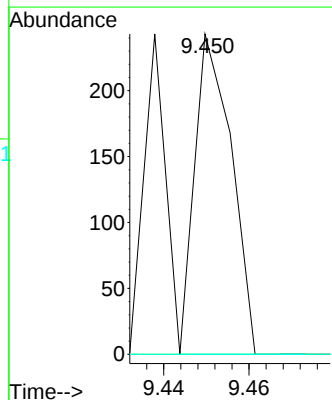
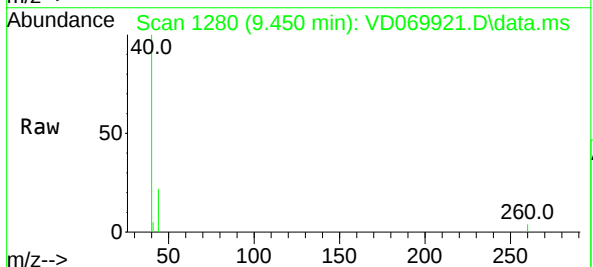
Instrument :
MSVOA_D
ClientSampleId :

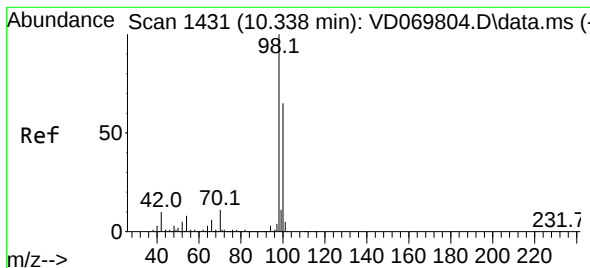
Tgt Ion:117 Resp: 4728
Ion Ratio Lower Upper
117 100
119 15.5 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 3.194 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion: 41 Resp: 145
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

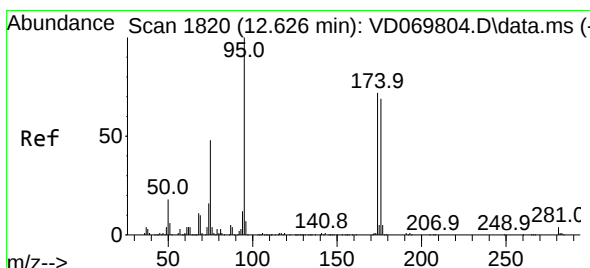
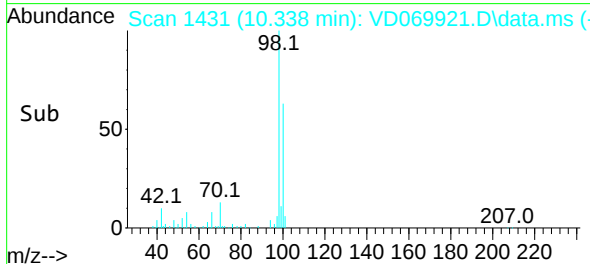
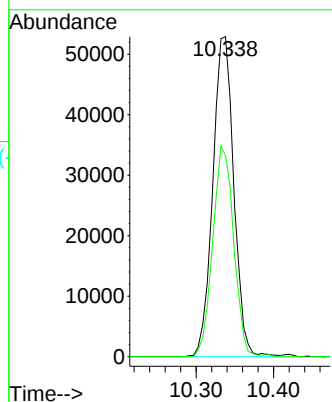
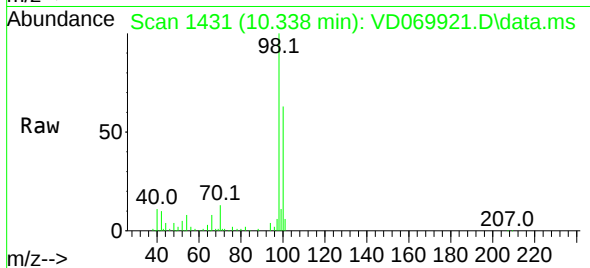




#50
Toluene-d8
Concen: 50.219 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

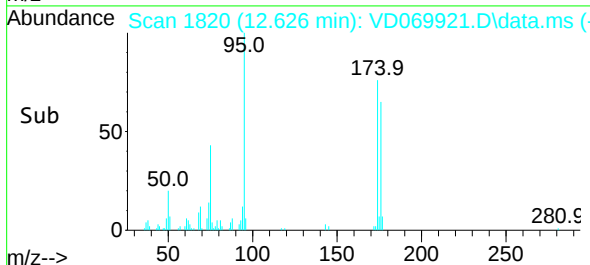
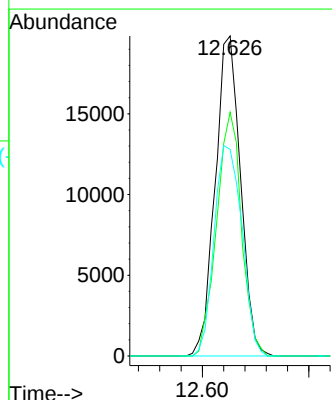
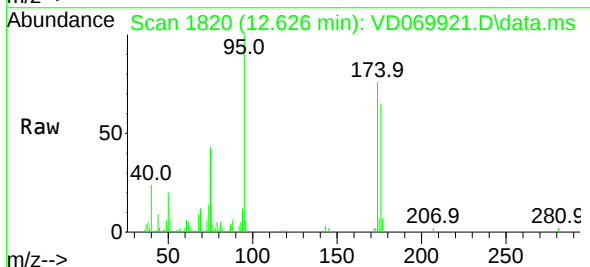
Instrument :
MSVOA_D
ClientSampleId :

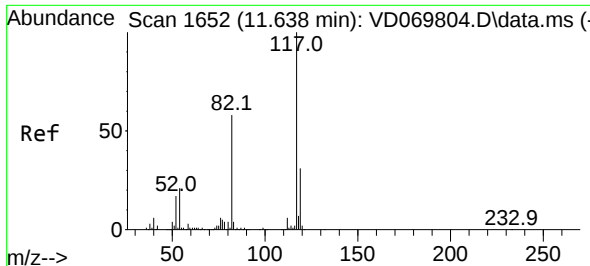
Tgt Ion: 98 Resp: 99649
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion: 95 Resp: 32658
Ion Ratio Lower Upper
95 100
174 74.8 0.0 142.6
176 72.1 0.0 134.2

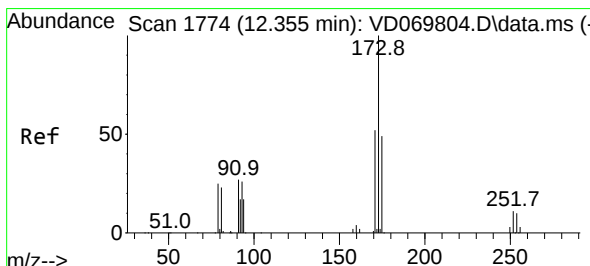
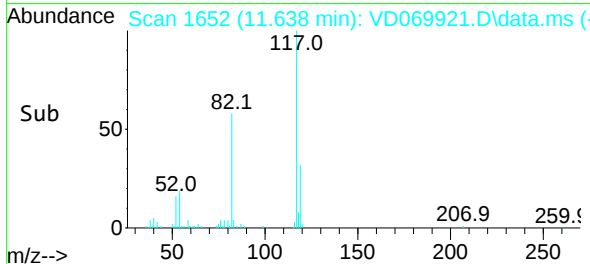
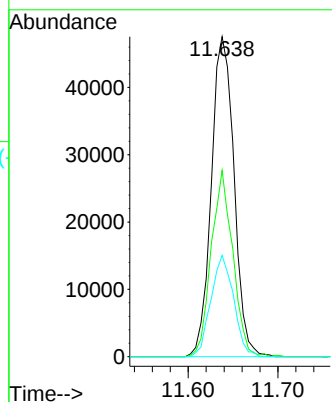
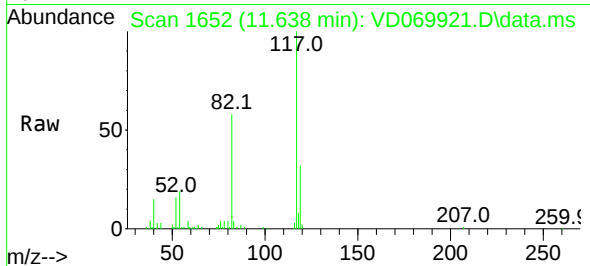




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

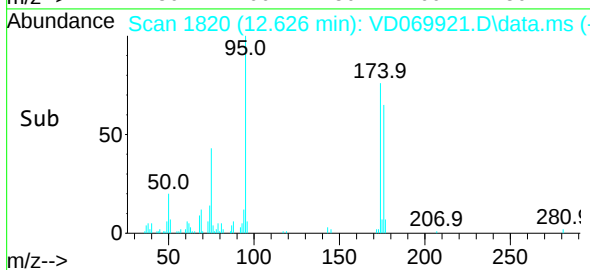
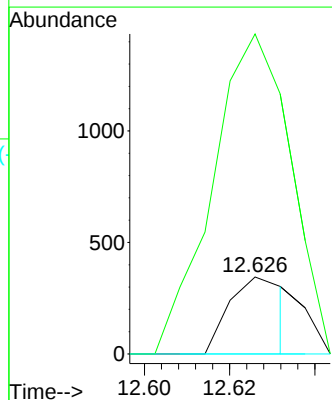
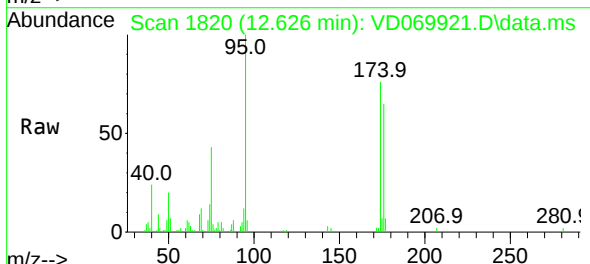
Instrument :
MSVOA_D
ClientSampleId :

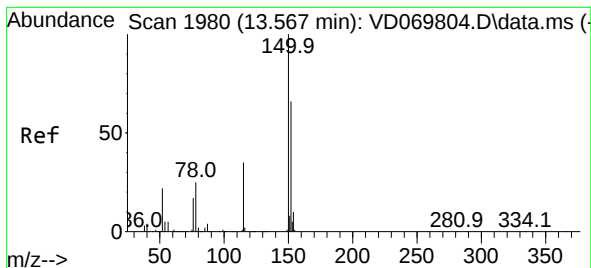
Tgt Ion:117 Resp: 83475
Ion Ratio Lower Upper
117 100
82 58.2 46.3 69.5
119 31.6 24.7 37.1



#71
Bromoform
Concen: 1.039 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion:173 Resp: 314
Ion Ratio Lower Upper
173 100
175 525.2 24.1 72.3#
254 0.0 0.1 0.1#

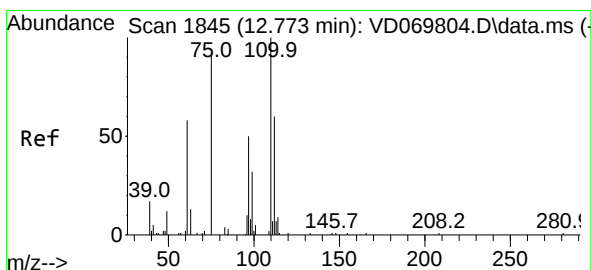
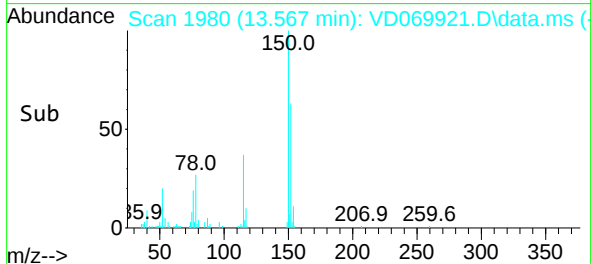
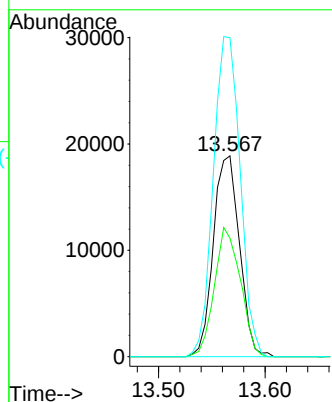
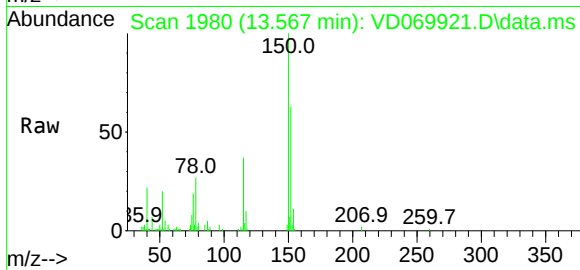




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

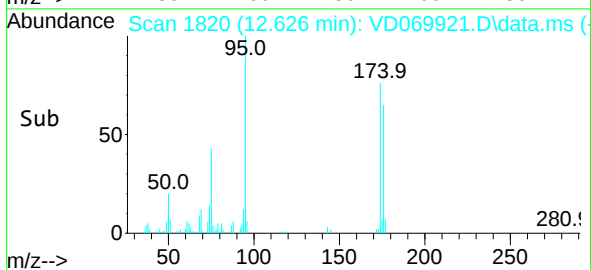
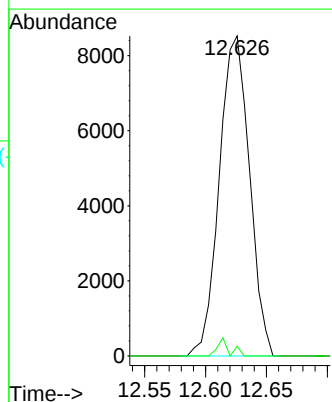
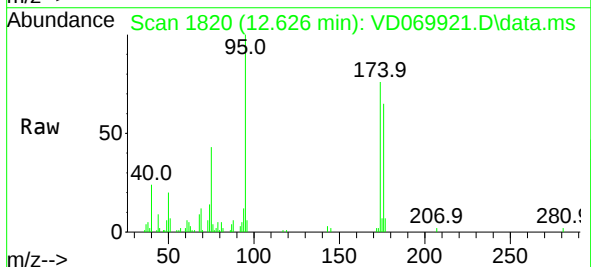
Instrument :
MSVOA_D
ClientSampleId :

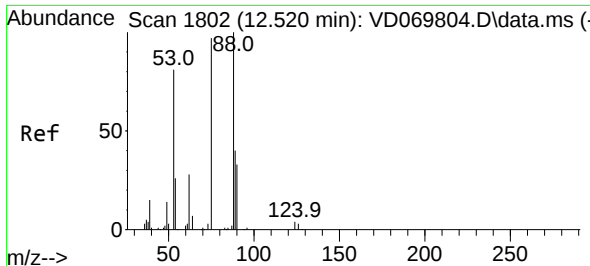
Tgt Ion:152 Resp: 32219
Ion Ratio Lower Upper
152 100
115 64.0 31.1 93.3
150 163.6 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 42.948 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion: 75 Resp: 14708
Ion Ratio Lower Upper
75 100
77 2.2 181.5 544.5#

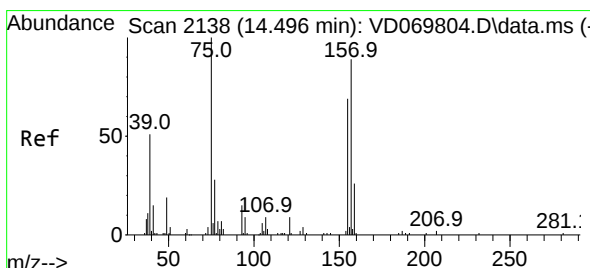
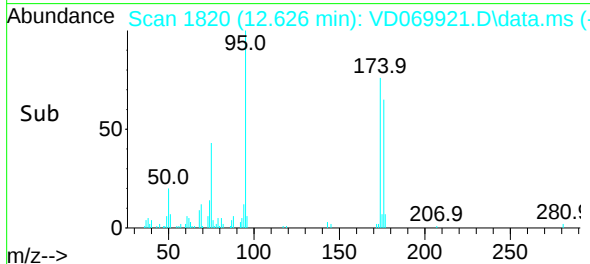
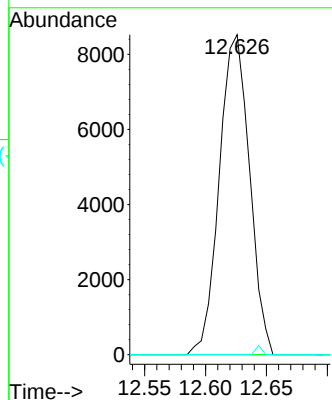
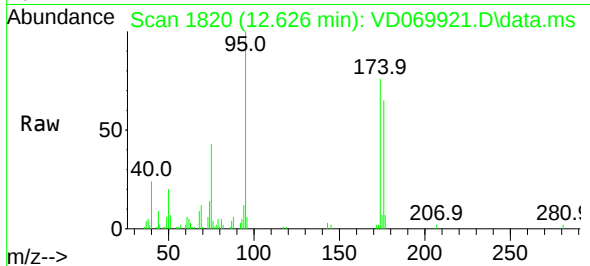




#81
trans-1,4-Dichloro-2-butene
Concen: 130.292 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

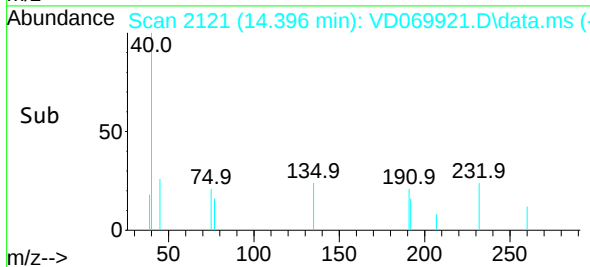
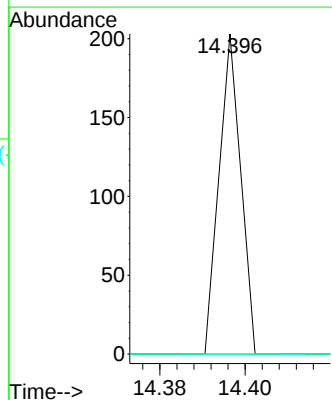
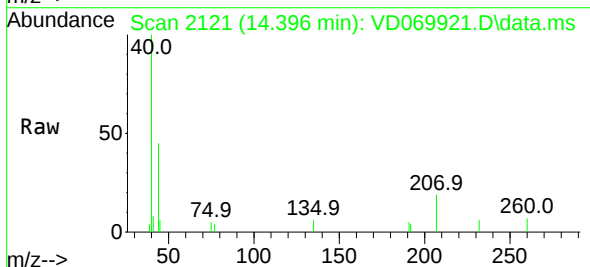
Instrument :
MSVOA_D
ClientSampleId :

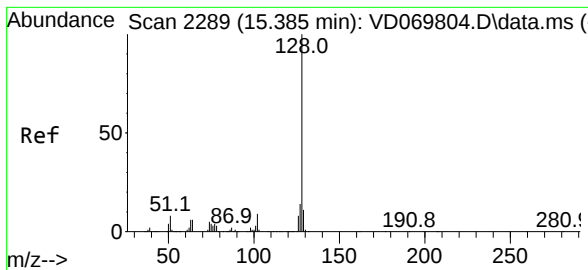
Tgt Ion: 75 Resp: 14708
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.6 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.082 ug/l
RT: 14.396 min Scan# 2121
Delta R.T. -0.100 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 8.701 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069921.D
Acq: 29 Jul 2021 19:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	4332
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.6	16.0
129	11.1	8.6	12.8

