

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071034.D
 Acq On : 15 Nov 2021 18:04
 Operator : VA/SY
 Sample : M4602-05RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 16 03:22:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

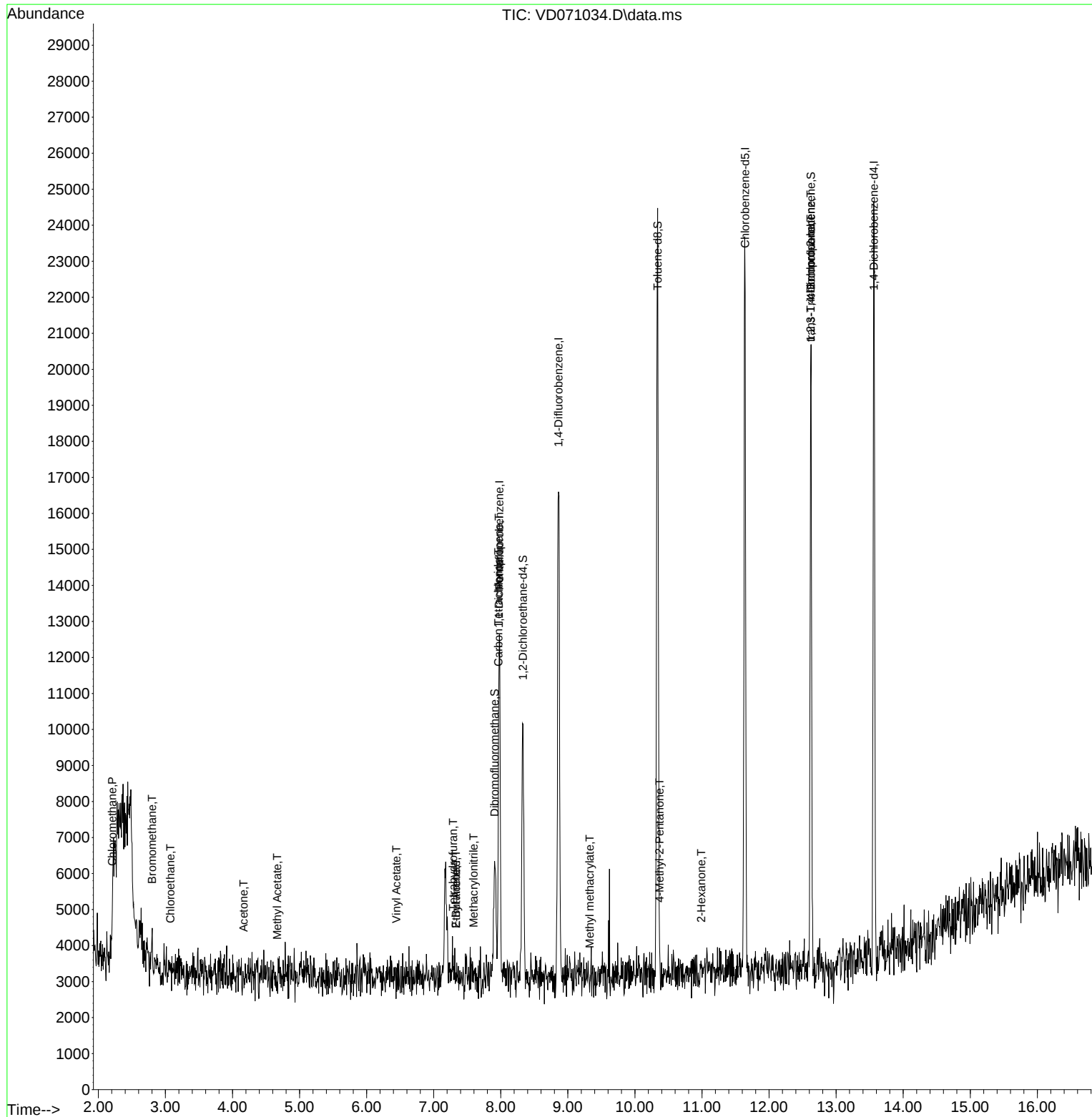
Internal Standards						
1) Pentafluorobenzene	7.979	168	6218	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	12518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	10754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5154	77.851	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.700%	
35) Dibromofluoromethane	7.908	113	2842	40.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.460%	
50) Toluene-d8	10.338	98	14676	53.053	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.100%	
62) 4-Bromofluorobenzene	12.626	95	5589	56.113	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	90	1.424	ug/l	# 42
5) Bromomethane	2.803	94	361	8.712	ug/l	92
6) Chloroethane	3.073	64	54	1.383	ug/l	# 39
16) Acetone	4.167	43	83	24.071	ug/l	# 40
18) Methyl Acetate	4.667	43	66	1.162	ug/l	# 51
23) Vinyl Acetate	6.444	43	58	21.390	ug/l	# 72
25) 2-Butanone	7.332	43	55	22.554	ug/l	# 45
29) Tetrahydrofuran	7.291	42	56	4.163	ug/l	# 34
36) 1,1-Dichloropropene	7.973	75	593	5.306	ug/l	# 41
37) Ethyl Acetate	7.332	43	55	1.079	ug/l	# 66
38) Carbon Tetrachloride	7.967	117	354	3.439	ug/l	# 12
41) Methacrylonitrile	7.597	41	62	5.040	ug/l	# 12
48) Methyl methacrylate	9.326	41	54	1.020	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.367	43	60	1.147	ug/l	# 34
59) 2-Hexanone	10.991	43	122	18.727	ug/l	# 22
76) 1,2,3-Trichloropropane	12.620	75	3124	72.163	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	3124	133.036	ug/l	# 18

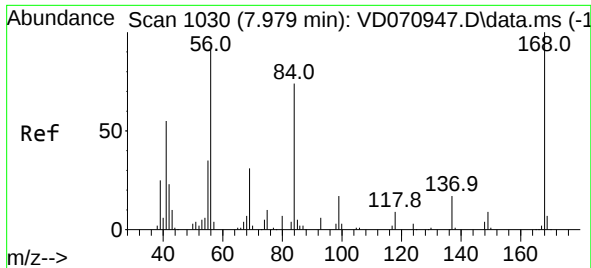
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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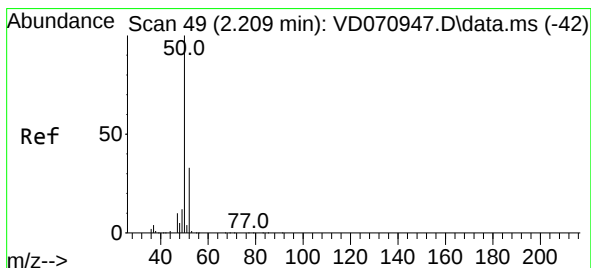
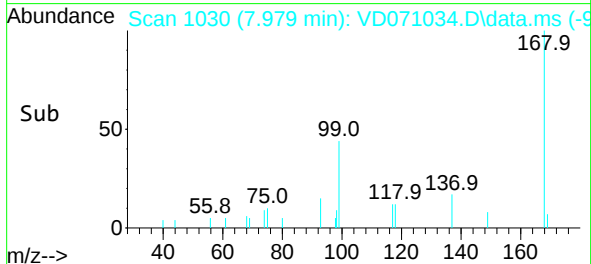
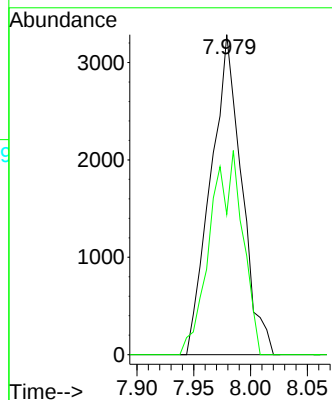
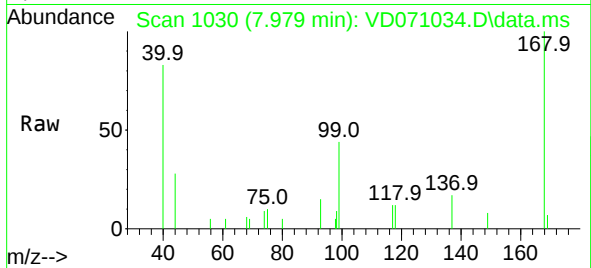




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

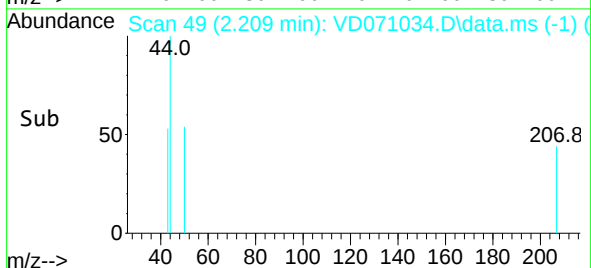
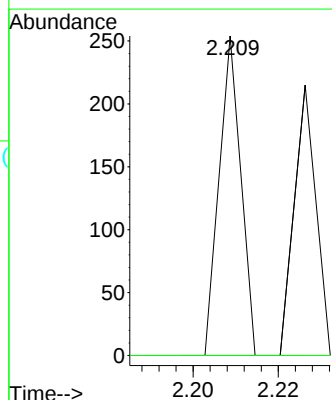
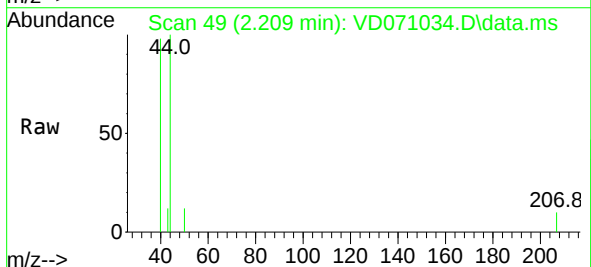
Instrument :
MSVOA_D
ClientSampleId :

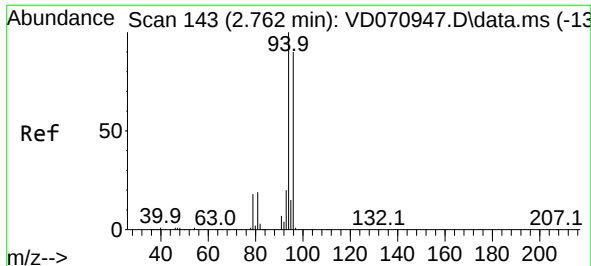
Tgt Ion:168 Resp: 6218
Ion Ratio Lower Upper
168 100
99 43.8 46.6 69.8#



#3
Chloromethane
Concen: 1.424 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

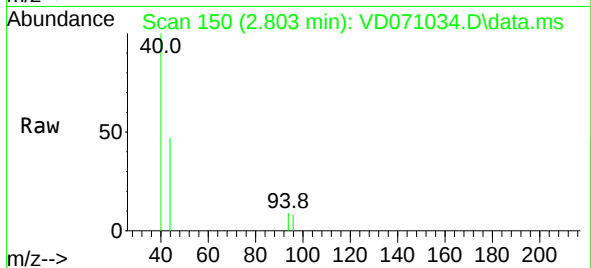
Tgt Ion: 50 Resp: 90
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



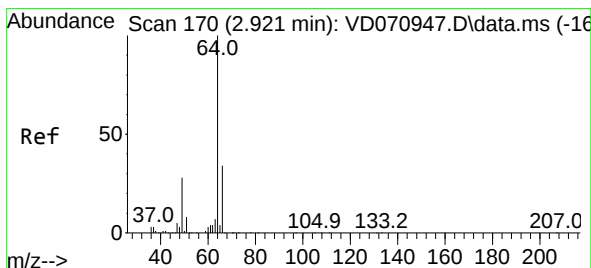
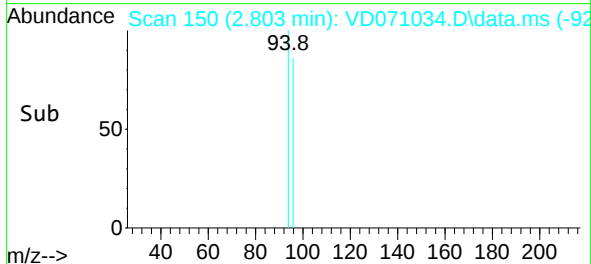
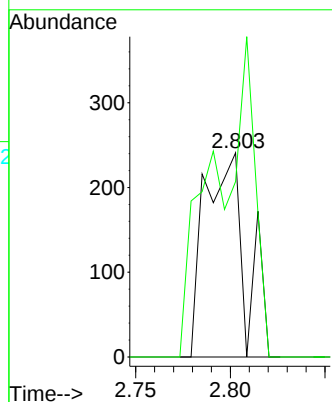


#5
Bromomethane
Concen: 8.712 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.041 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Instrument :
MSVOA_D
ClientSampleId :

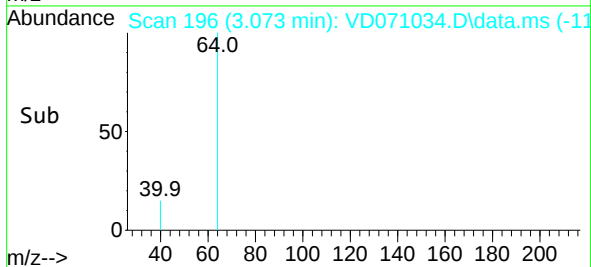
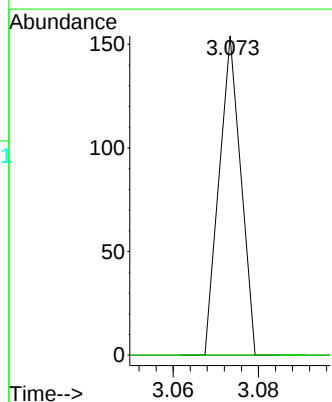
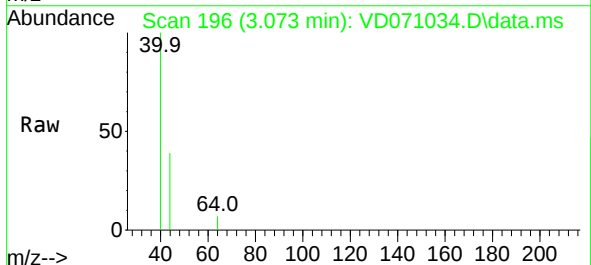


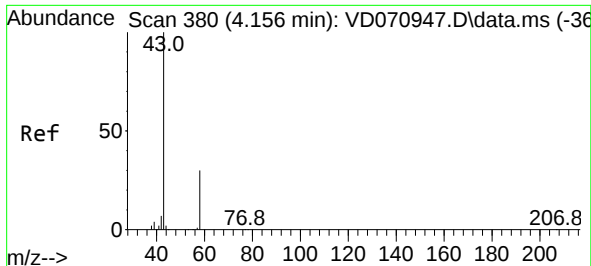
Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 85.9 74.8 112.2



#6
Chloroethane
Concen: 1.383 ug/l
RT: 3.073 min Scan# 196
Delta R.T. 0.152 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#

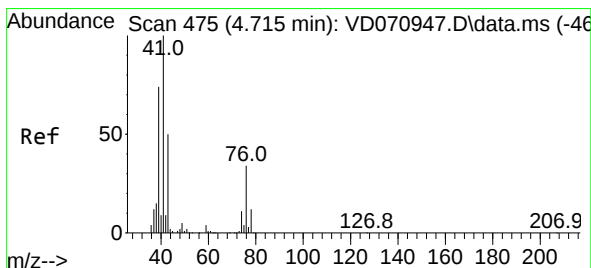
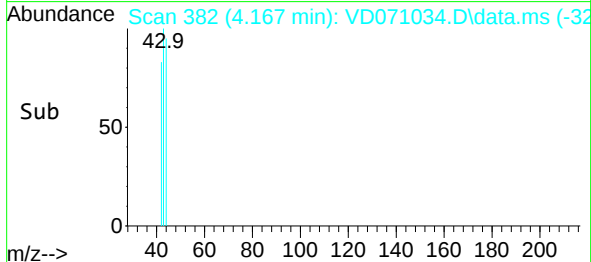
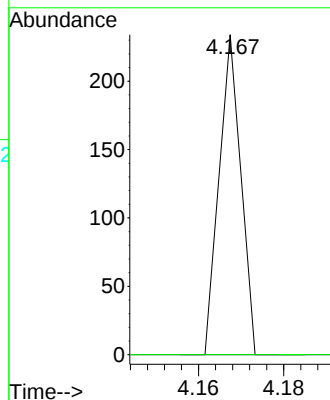
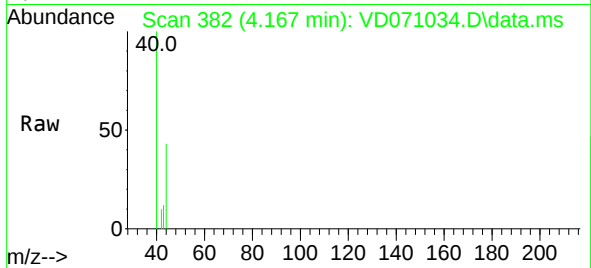




#16
Acetone
Concen: 24.071 ug/l
RT: 4.167 min Scan# 380
Delta R.T. 0.011 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

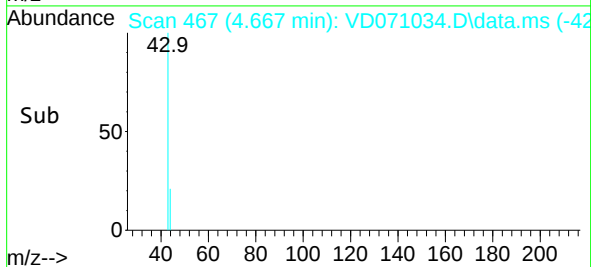
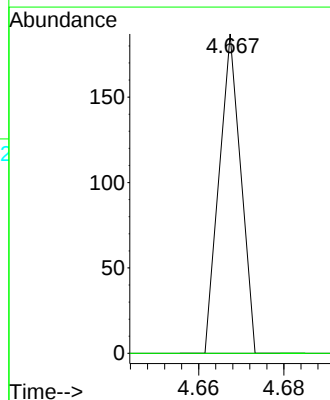
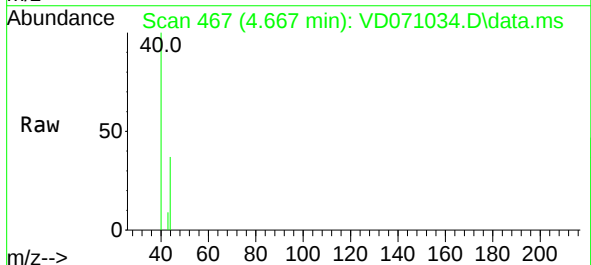
Instrument :
MSVOA_D
ClientSampleId :

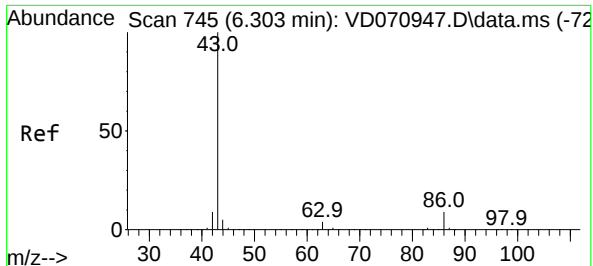
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.162 ug/l
RT: 4.667 min Scan# 467
Delta R.T. -0.048 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

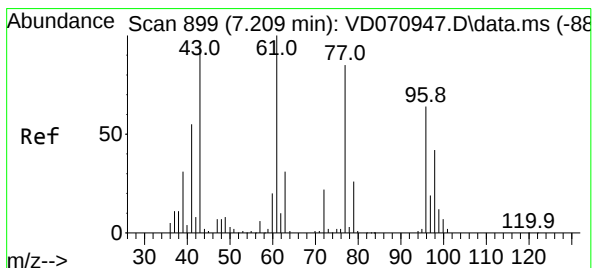
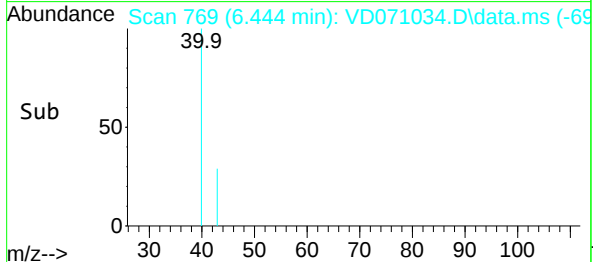
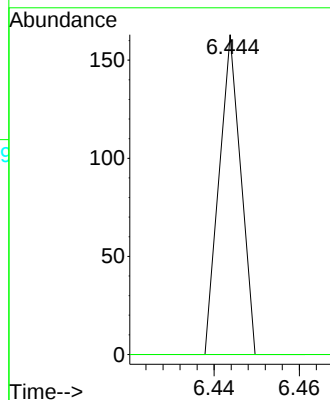
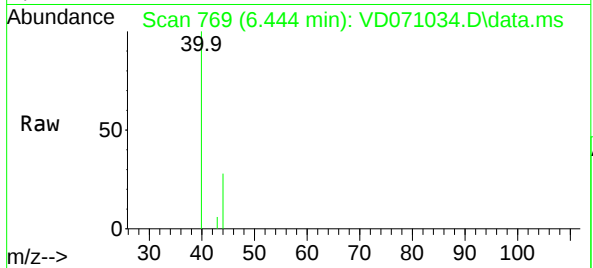




#23
 Vinyl Acetate
 Concen: 21.390 ug/l
 RT: 6.444 min Scan# 70
 Delta R.T. 0.141 min
 Lab File: VD071034.D
 Acq: 15 Nov 2021 18:04

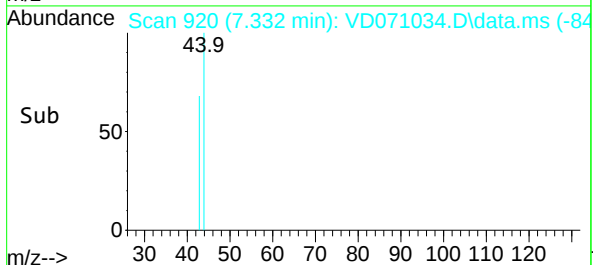
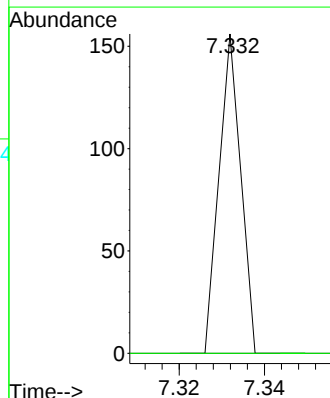
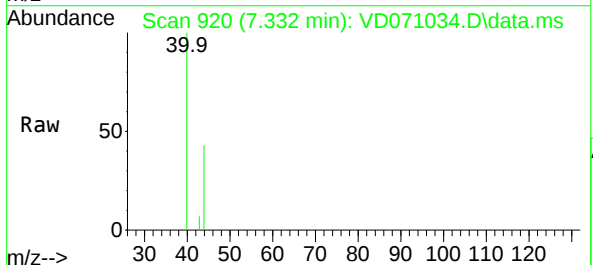
Instrument :
 MSVOA_D
 ClientSampleId :

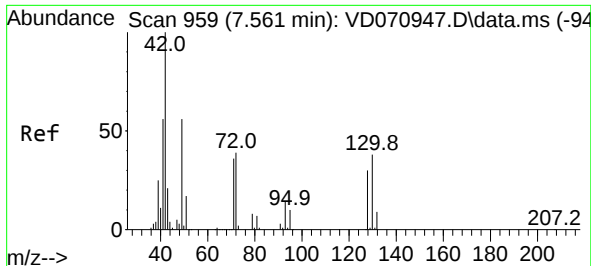
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 22.554 ug/l
 RT: 7.332 min Scan# 920
 Delta R.T. 0.123 min
 Lab File: VD071034.D
 Acq: 15 Nov 2021 18:04

Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 4.163 ug/l

RT: 7.291 min Scan# 91

Delta R.T. -0.270 min

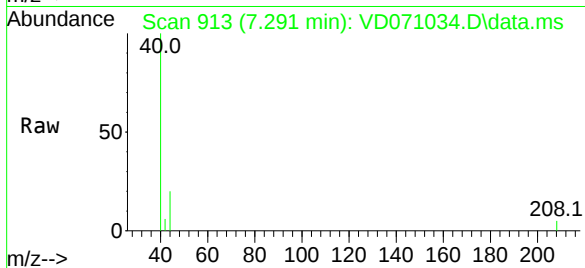
Lab File: VD071034.D

Acq: 15 Nov 2021 18:04

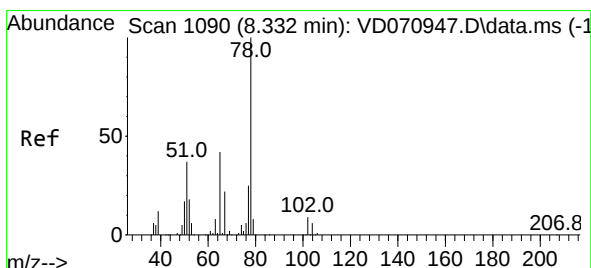
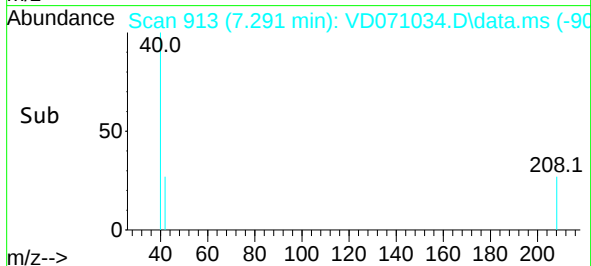
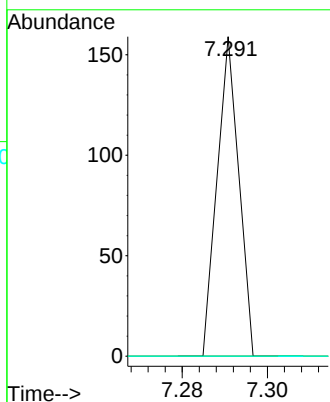
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	56
Ion Ratio	Lower	Upper	
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#33

1,2-Dichloroethane-d4

Concen: 77.851 ug/l

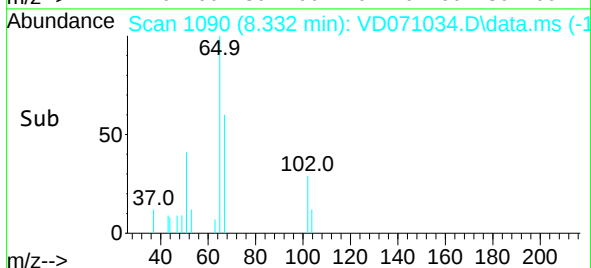
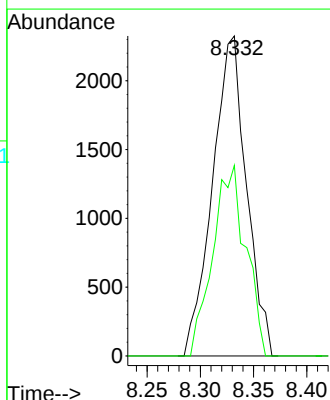
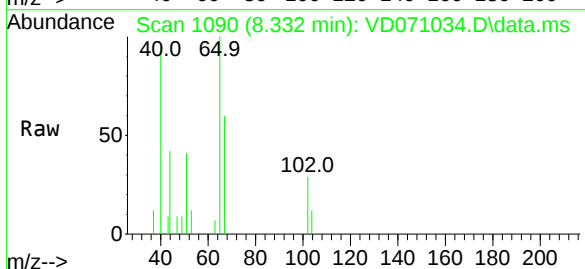
RT: 8.332 min Scan# 1090

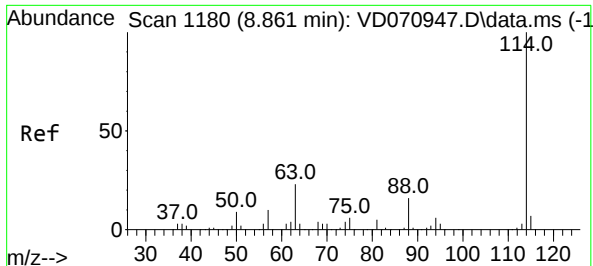
Delta R.T. -0.000 min

Lab File: VD071034.D

Acq: 15 Nov 2021 18:04

Tgt Ion:	65	Resp:	5154
Ion Ratio	Lower	Upper	
65	100		
67	57.9	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071034.D

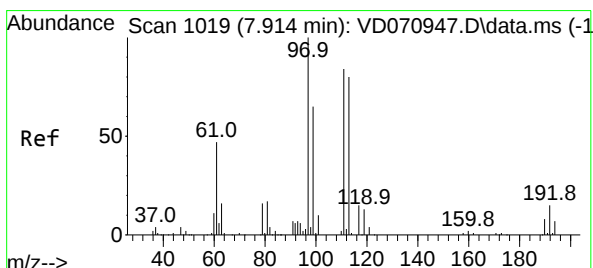
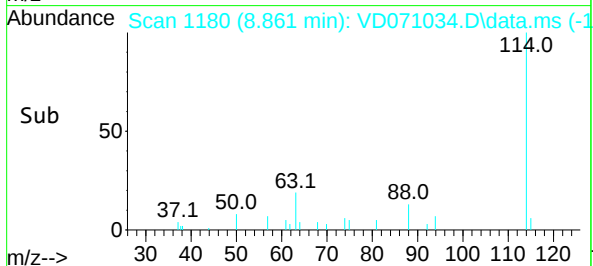
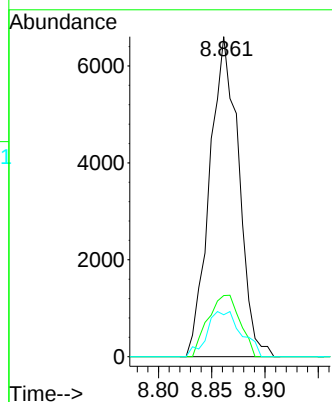
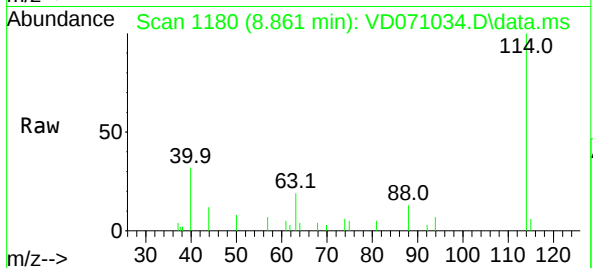
Acq: 15 Nov 2021 18:04

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	12518
Ion Ratio	Lower	Upper
114	100	
63	19.1	0.0 41.8
88	13.1	0.0 32.8



#35

Dibromofluoromethane

Concen: 40.234 ug/l

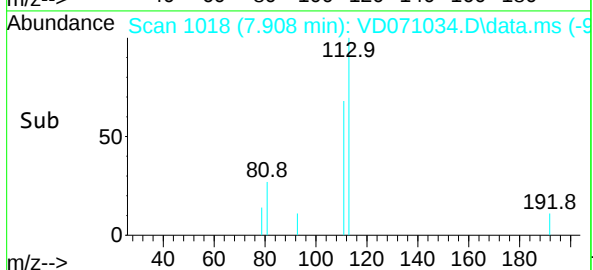
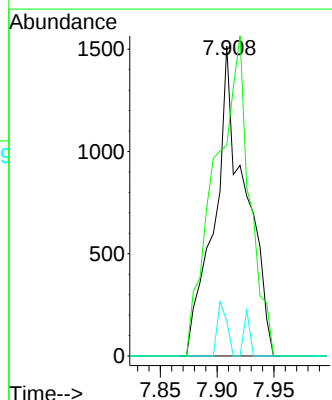
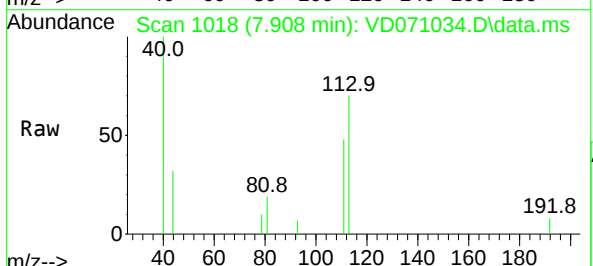
RT: 7.908 min Scan# 1018

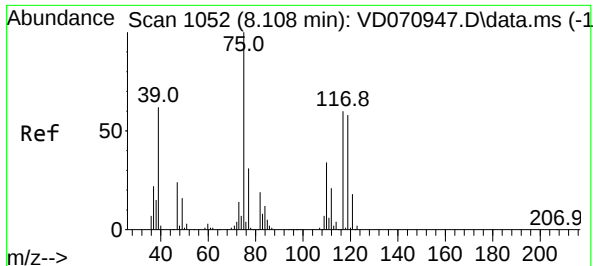
Delta R.T. -0.006 min

Lab File: VD071034.D

Acq: 15 Nov 2021 18:04

Tgt Ion:113	Resp:	2842
Ion Ratio	Lower	Upper
113	100	
111	0.0	82.0 123.0#
192	5.4	15.2 22.8#





#36

1,1-Dichloropropene

Concen: 5.306 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

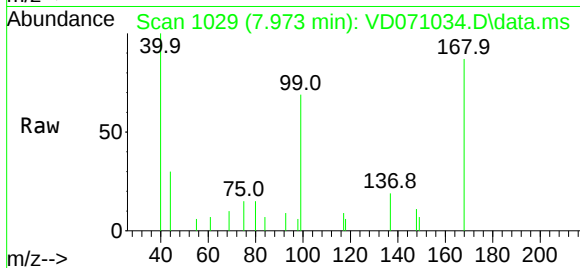
Lab File: VD071034.D

Acq: 15 Nov 2021 18:04

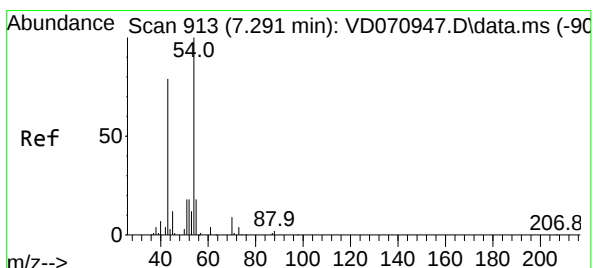
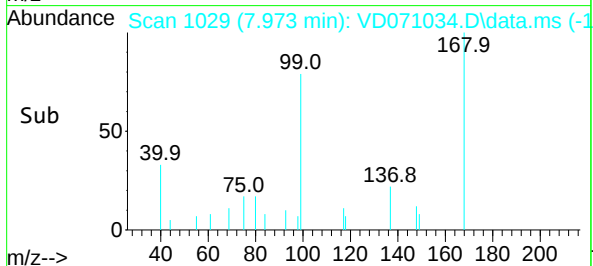
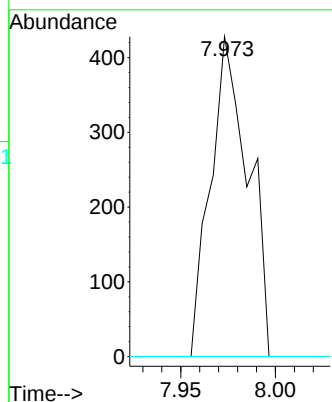
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 593
Ion Ratio	Lower Upper
75	100
110	0.0 17.8 53.4#
77	0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.079 ug/l

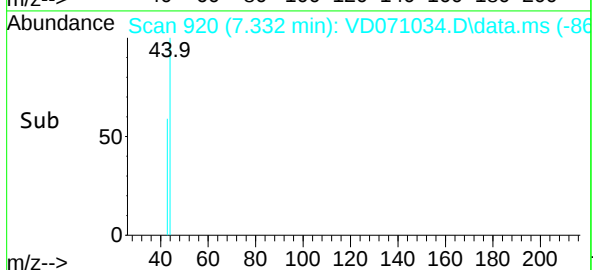
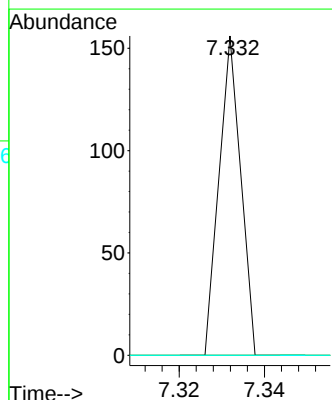
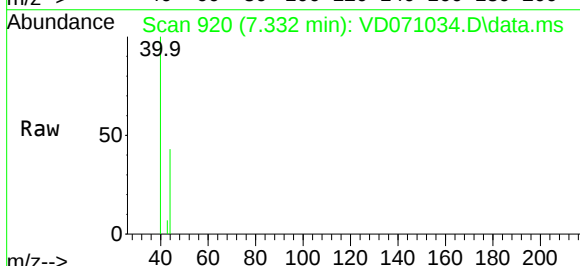
RT: 7.332 min Scan# 920

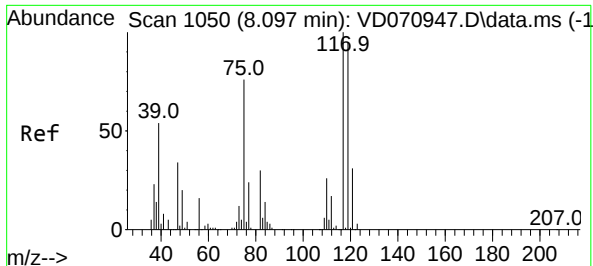
Delta R.T. 0.041 min

Lab File: VD071034.D

Acq: 15 Nov 2021 18:04

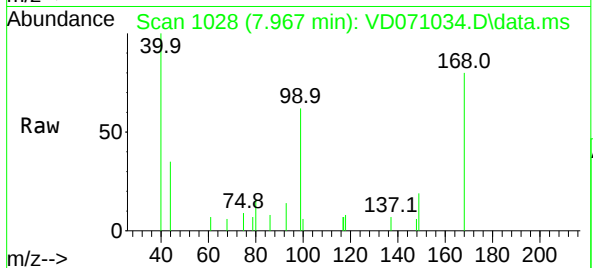
Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43	100
61	0.0 13.0 19.6#
70	0.0 8.7 13.1#



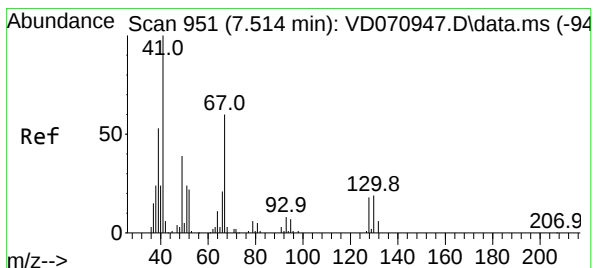
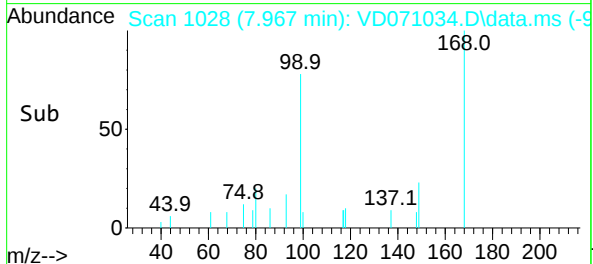
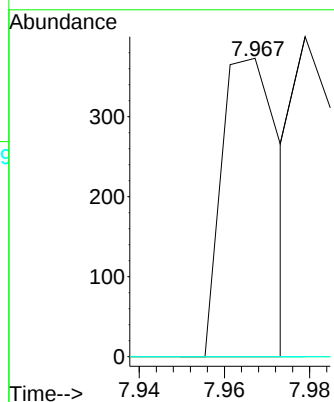


#38
Carbon Tetrachloride
Concen: 3.439 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Instrument :
MSVOA_D
ClientSampleId :

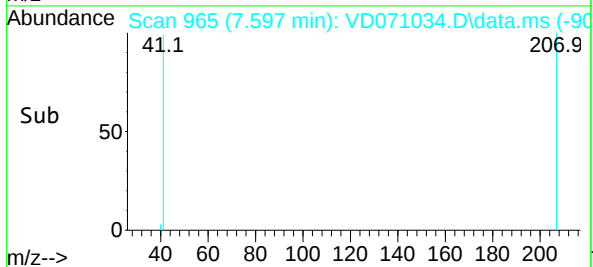
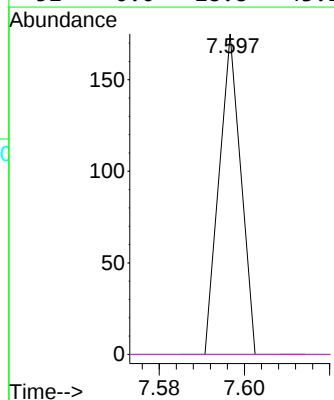
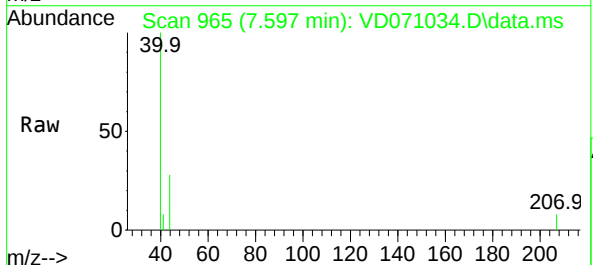


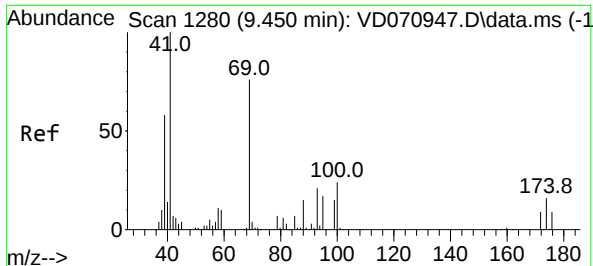
Tgt Ion:117 Resp: 354
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 5.040 ug/l
RT: 7.597 min Scan# 965
Delta R.T. 0.083 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Tgt Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#48

Methyl methacrylate

Concen: 1.020 ug/l

RT: 9.326 min Scan# 1259

Delta R.T. -0.124 min

Lab File: VD071034.D

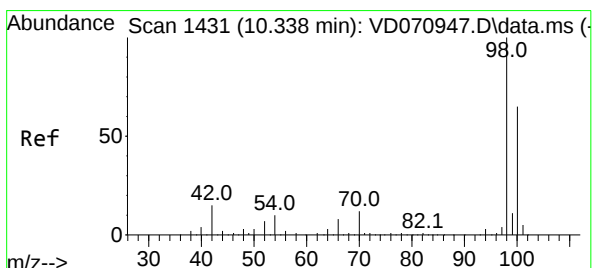
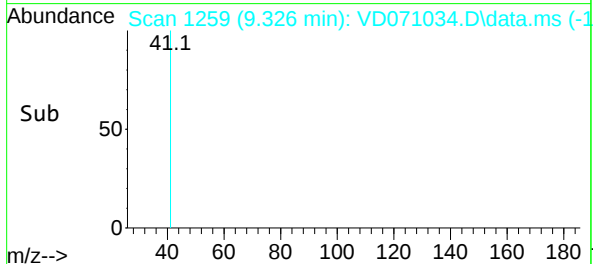
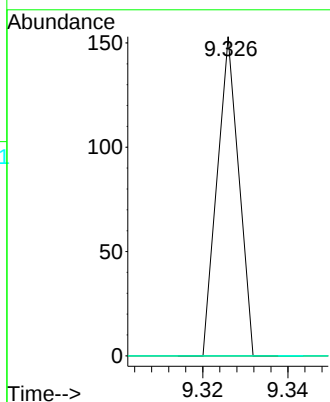
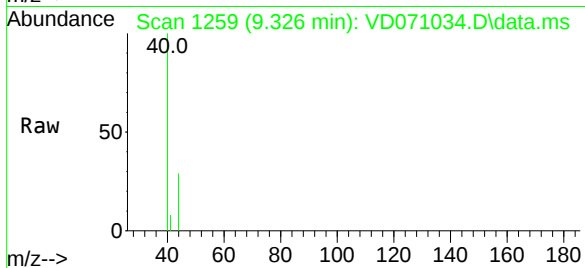
Acq: 15 Nov 2021 18:04

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 41	Resp: 54
Ion Ratio	Lower Upper
41	100
69	0.0 69.8 104.6#
39	0.0 35.6 53.4#



#50

Toluene-d8

Concen: 53.053 ug/l

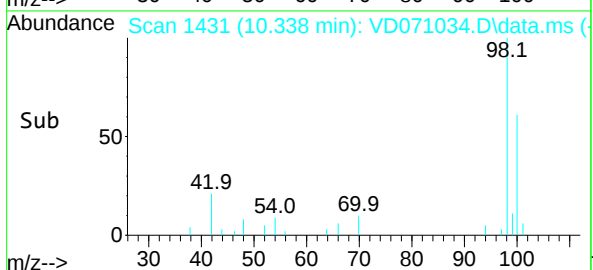
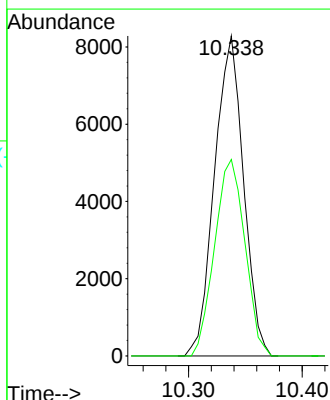
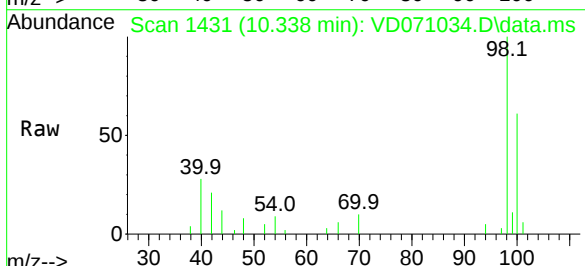
RT: 10.338 min Scan# 1431

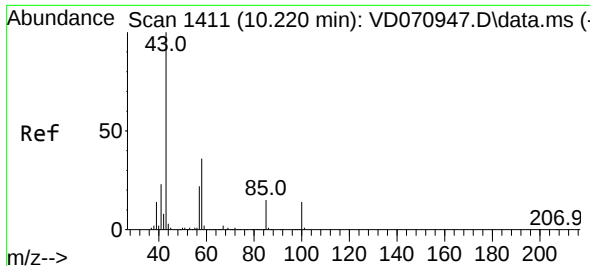
Delta R.T. -0.000 min

Lab File: VD071034.D

Acq: 15 Nov 2021 18:04

Tgt Ion: 98	Resp: 14676
Ion Ratio	Lower Upper
98	100
100	64.1 51.8 77.6

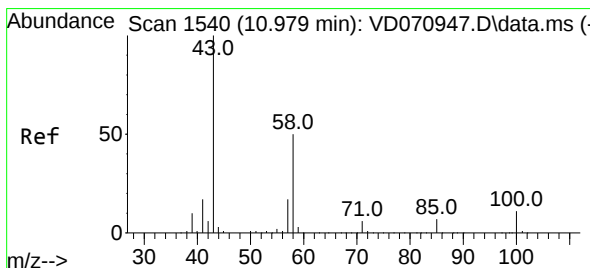
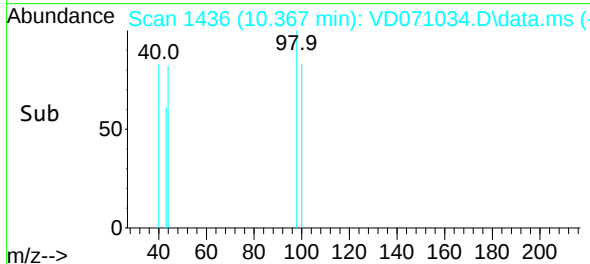
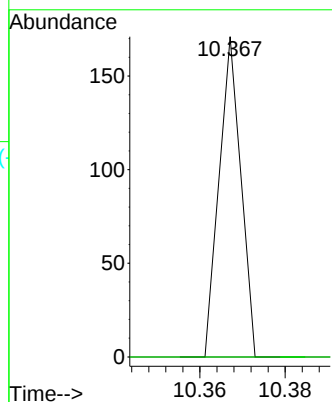
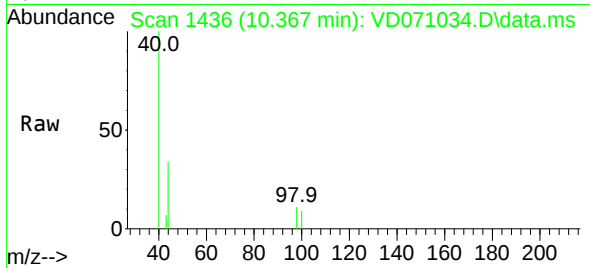




#51
4-Methyl-2-Pentanone
Concen: 1.147 ug/l
RT: 10.367 min Scan# 1411
Delta R.T. 0.147 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

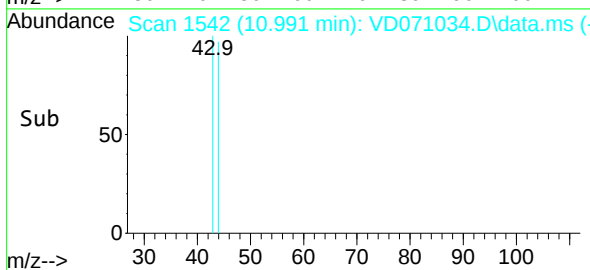
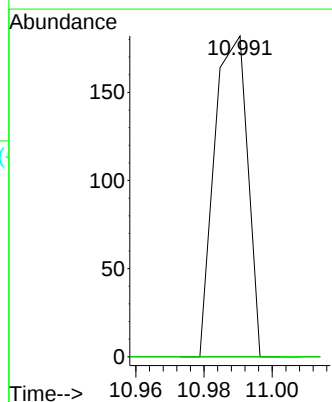
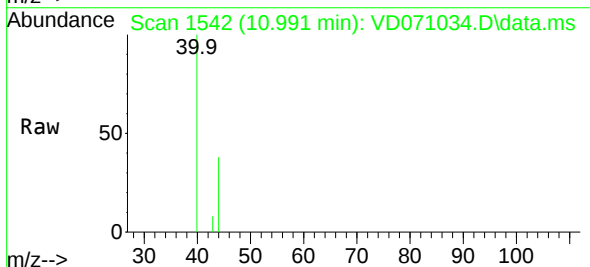
Instrument :
MSVOA_D
ClientSampleId :

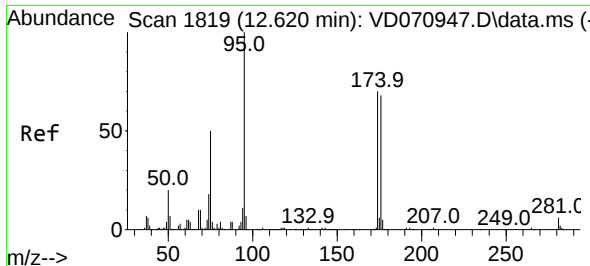
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 18.727 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

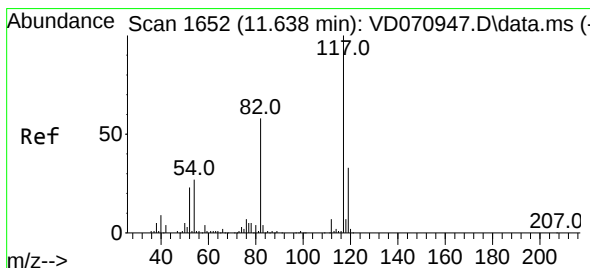
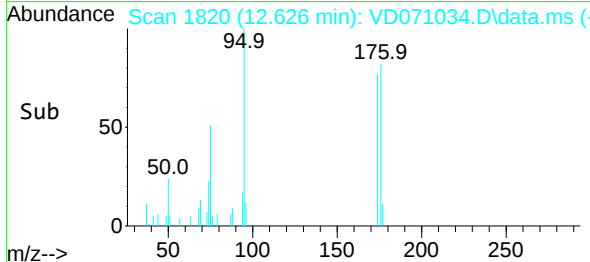
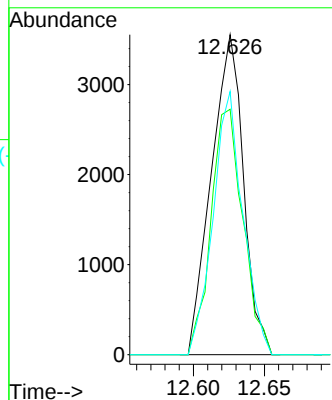
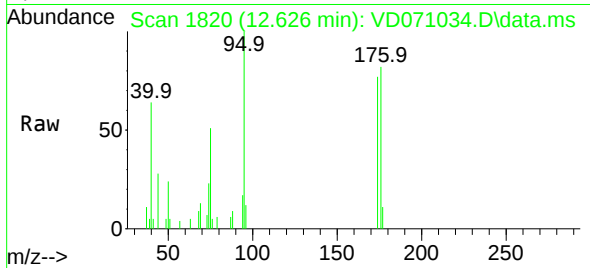




#62
4-Bromofluorobenzene
Concen: 56.113 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

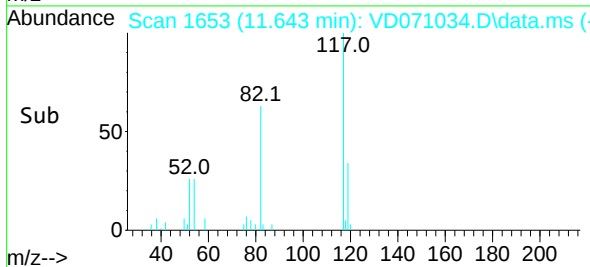
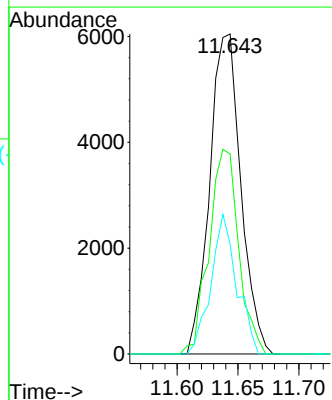
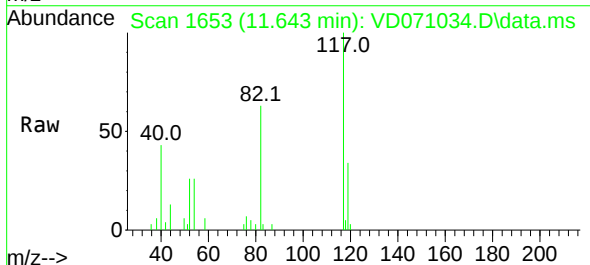
Instrument :
MSVOA_D
ClientSampleId :

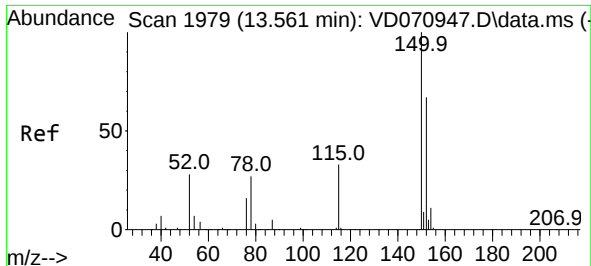
Tgt Ion: 95 Resp: 5589
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 76.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Tgt Ion: 117 Resp: 10754
Ion Ratio Lower Upper
117 100
82 62.5 44.7 67.1
119 34.4 26.2 39.4

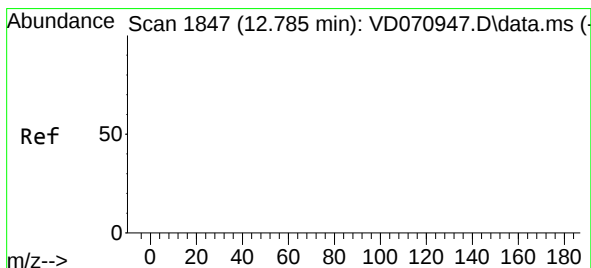
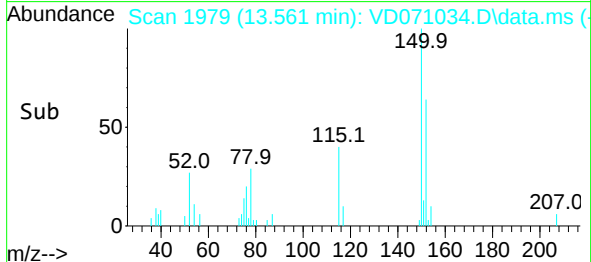
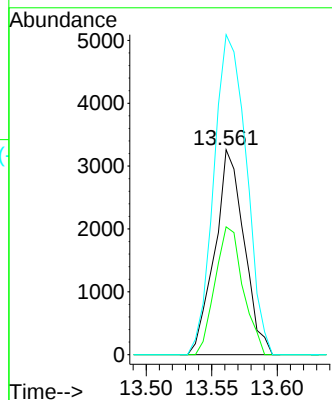
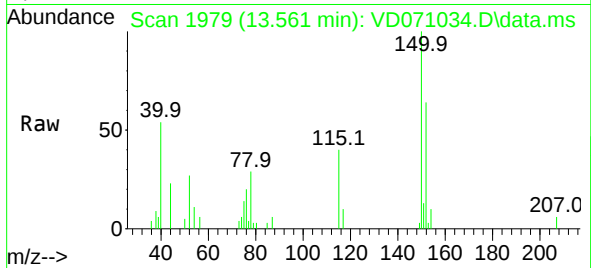




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD071034.D
 Acq: 15 Nov 2021 18:04

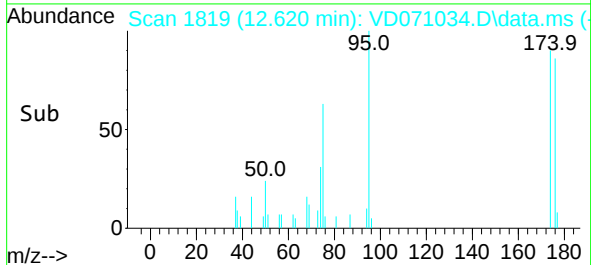
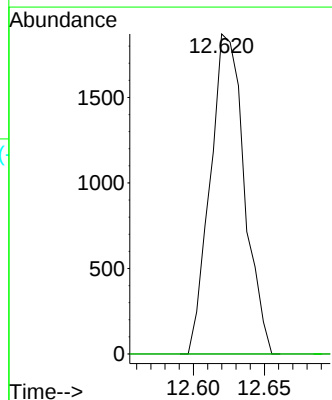
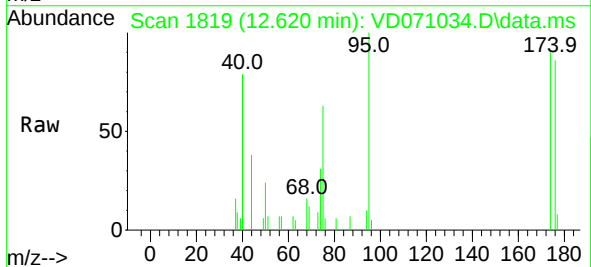
Instrument :
 MSVOA_D
 ClientSampleId :

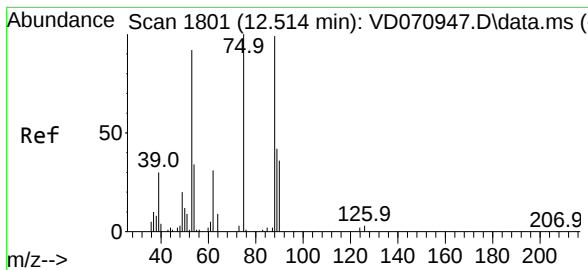
Tgt Ion:152 Resp: 5068
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.8 89.3
 150 173.4 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 72.163 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD071034.D
 Acq: 15 Nov 2021 18:04

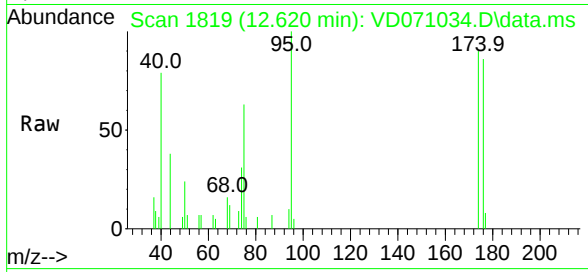
Tgt Ion: 75 Resp: 3124
 Ion Ratio Lower Upper
 75 100
 77 0.0 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 133.036 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071034.D
Acq: 15 Nov 2021 18:04

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 3124
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

