

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071059.D
 Acq On : 19 Nov 2021 16:25
 Operator : VA/SY
 Sample : M4758-35
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:53:28 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)

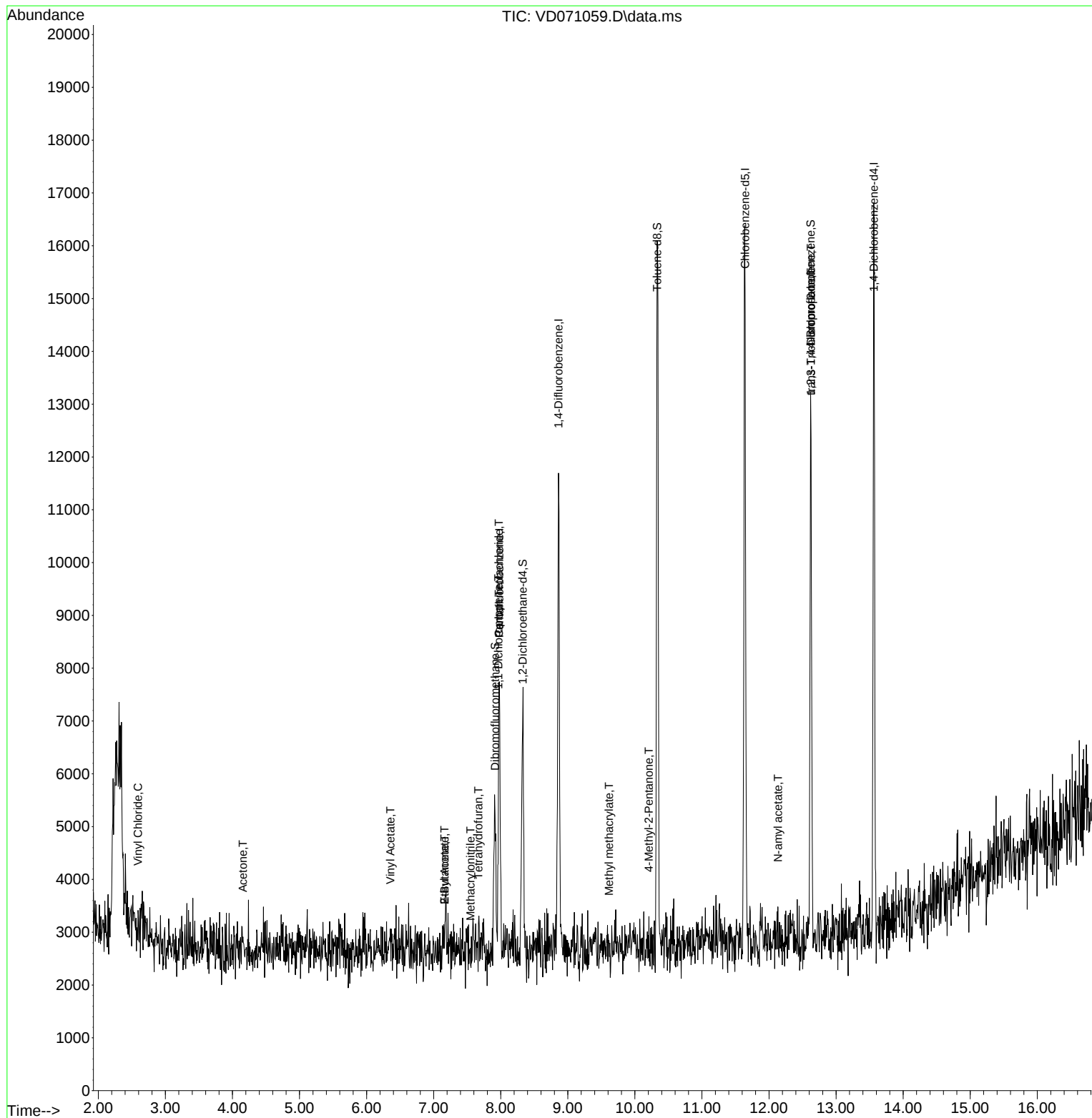
Internal Standards						
1) Pentafluorobenzene	7.979	168	4298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	7216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	7694	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	3402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	3930	85.881	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	171.760%#
35) Dibromofluoromethane	7.914	113	2167	53.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.440%
50) Toluene-d8	10.332	98	9199	57.687	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.380%
62) 4-Bromofluorobenzene	12.620	95	3680	64.093	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.180%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.591	62	61	1.452	ug/l #	42
16) Acetone	4.156	43	154	31.271	ug/l #	40
23) Vinyl Acetate	6.356	43	57	21.561	ug/l #	72
25) 2-Butanone	7.162	43	55	23.531	ug/l #	45
29) Tetrahydrofuran	7.667	42	71	7.636	ug/l #	34
36) 1,1-Dichloropropene	7.967	75	119	1.847	ug/l #	41
37) Ethyl Acetate	7.162	43	55	1.871	ug/l #	66
38) Carbon Tetrachloride	7.973	117	442	7.450	ug/l #	12
41) Methacrylonitrile	7.550	41	58	5.997	ug/l #	12
48) Methyl methacrylate	9.614	41	59	1.933	ug/l #	15
51) 4-Methyl-2-Pentanone	10.208	43	59	1.956	ug/l #	34
74) N-amyl acetate	12.132	43	195	2.785	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	1937	66.655	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1937	123.139	ug/l #	18

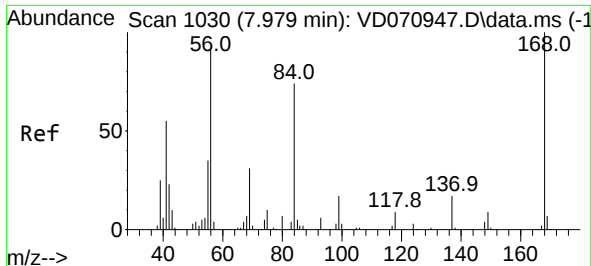
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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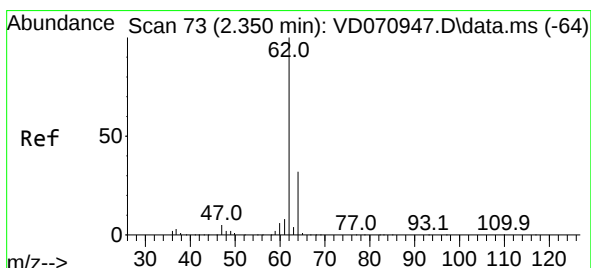
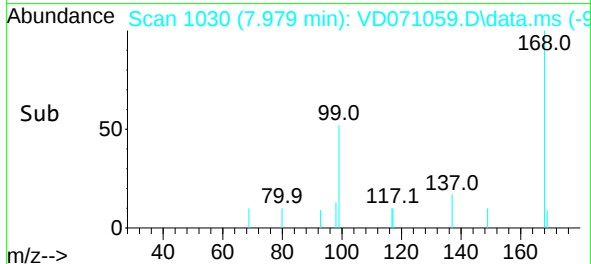
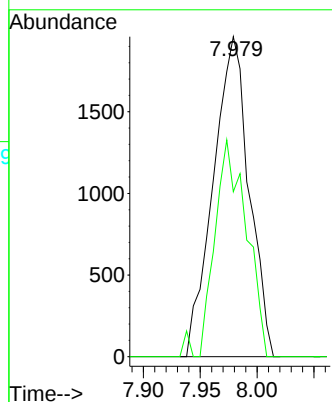
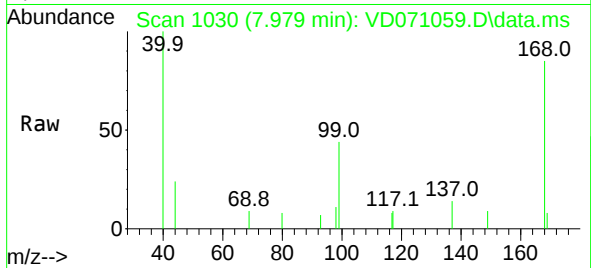




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

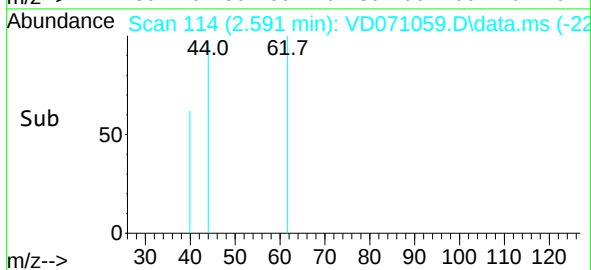
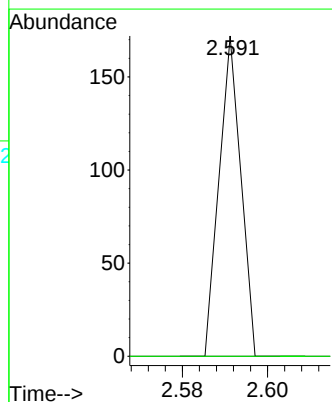
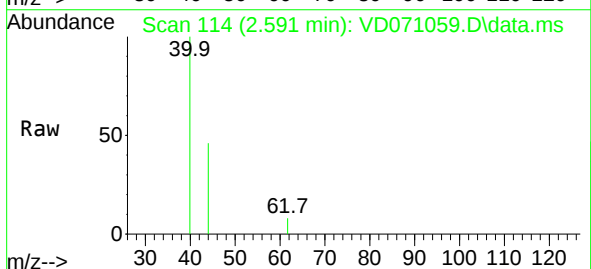
Instrument :
MSVOA_D
ClientSampleId :

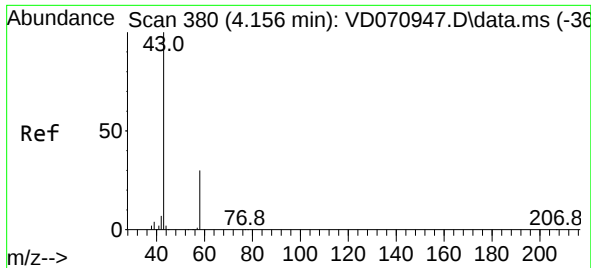
Tgt Ion:168 Resp: 4298
Ion Ratio Lower Upper
168 100
99 51.5 46.6 69.8



#4
Vinyl Chloride
Concen: 1.452 ug/l
RT: 2.591 min Scan# 114
Delta R.T. 0.241 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Tgt Ion: 62 Resp: 61
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

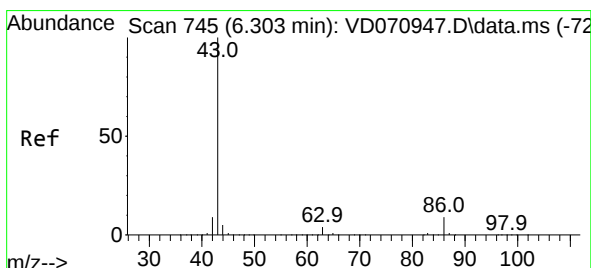
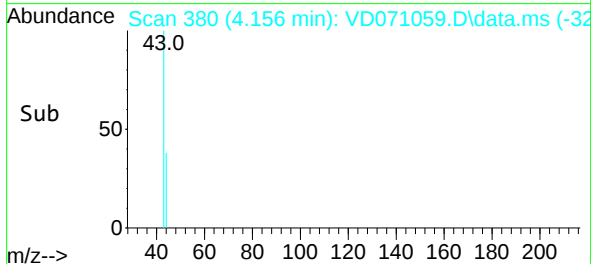
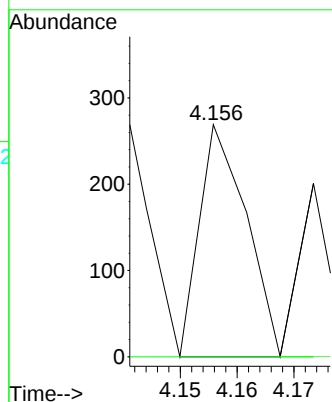
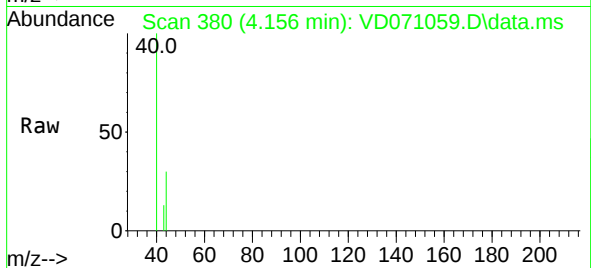




#16
Acetone
Concen: 31.271 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

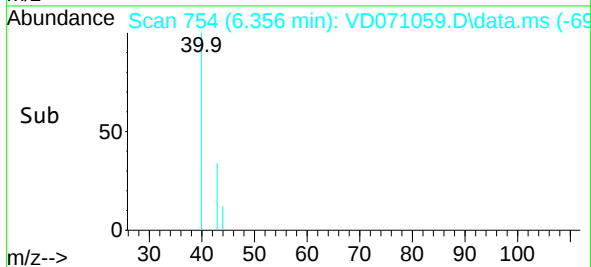
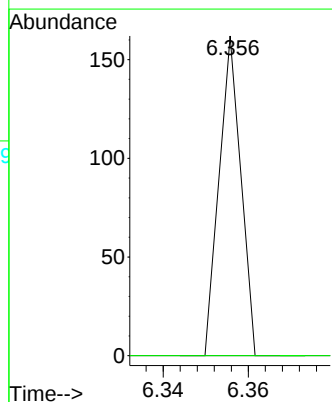
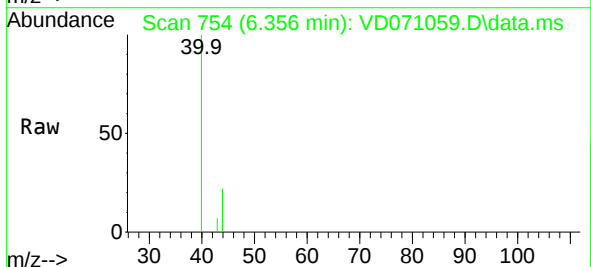
Instrument :
MSVOA_D
ClientSampleId :

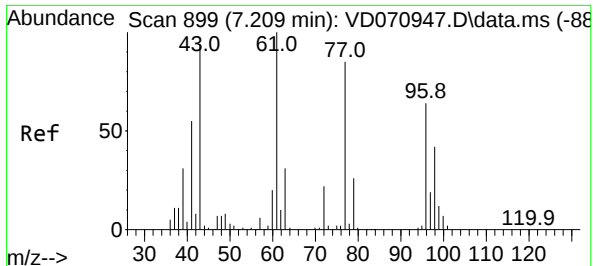
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 21.561 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.053 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 23.531 ug/l

RT: 7.162 min Scan# 899

Delta R.T. -0.047 min

Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

Instrument :

MSVOA_D

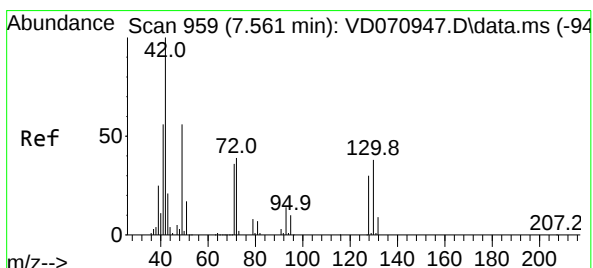
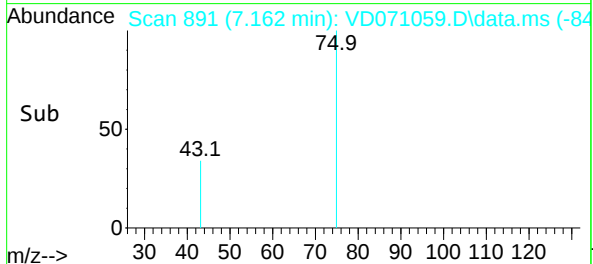
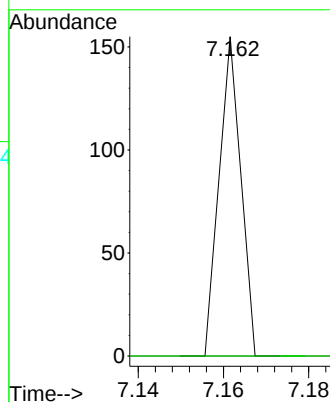
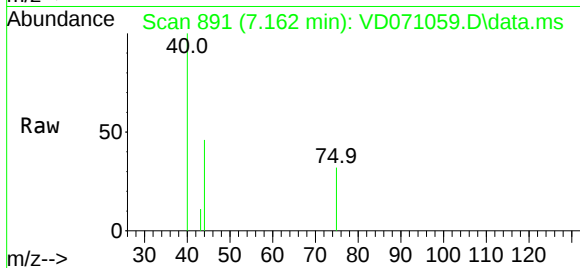
ClientSampleId :

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 7.636 ug/l

RT: 7.667 min Scan# 977

Delta R.T. 0.106 min

Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

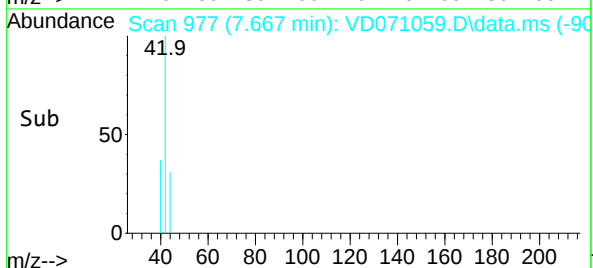
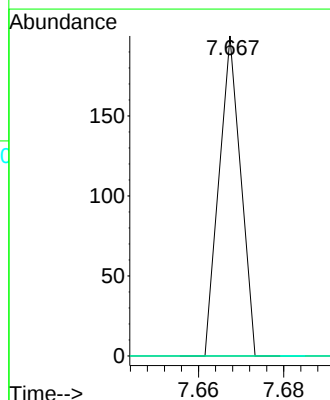
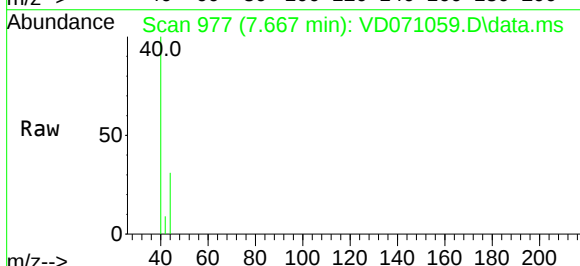
Tgt Ion: 42 Resp: 71

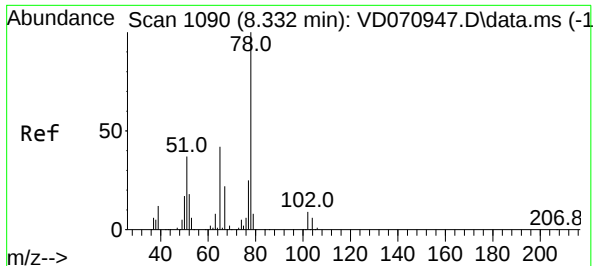
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 85.881 ug/l

RT: 8.326 min Scan# 11089

Delta R.T. -0.006 min

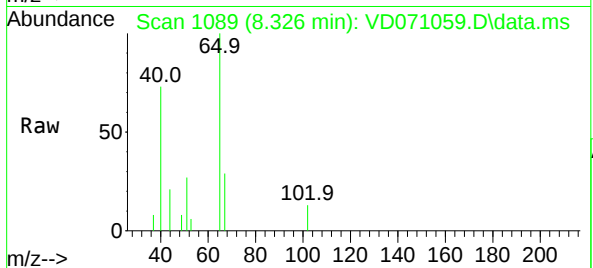
Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

Instrument :

MSVOA_D

ClientSampleId :

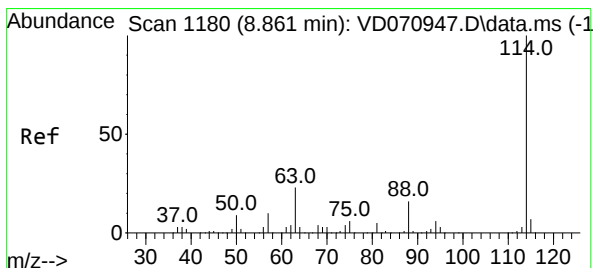
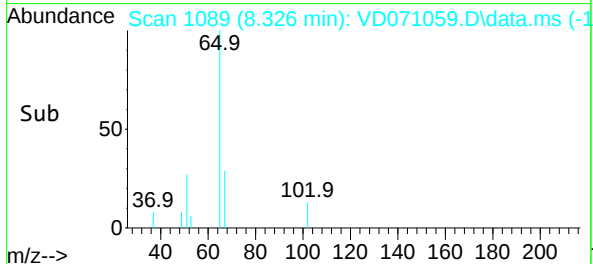
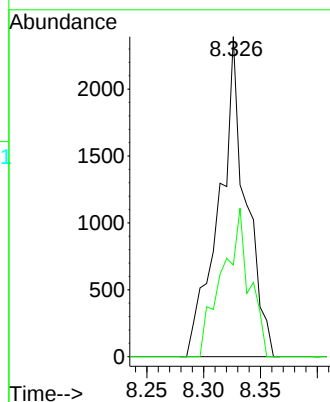


Tgt Ion: 65 Resp: 3930

Ion Ratio Lower Upper

65 100

67 47.0 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: VD071059.D

Acq: 19 Nov 2021 16:25

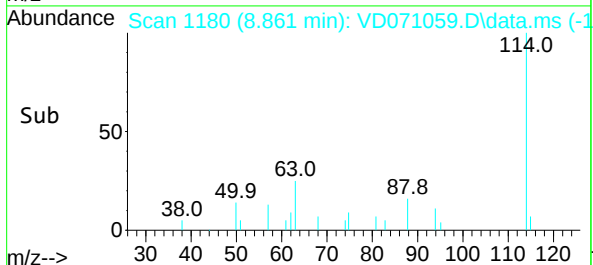
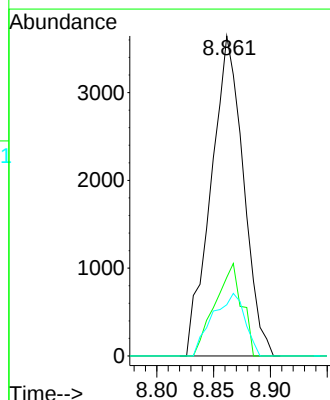
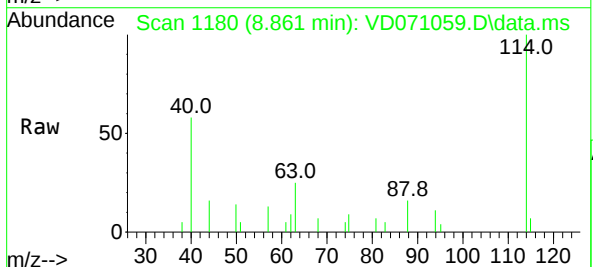
Tgt Ion: 114 Resp: 7216

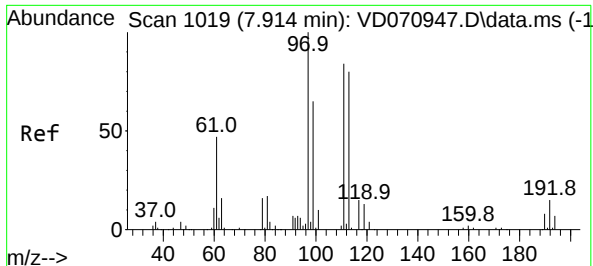
Ion Ratio Lower Upper

114 100

63 24.6 0.0 41.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.219 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

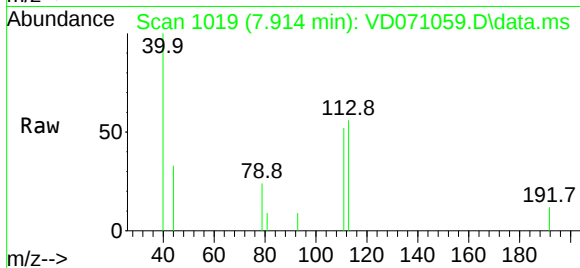
Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

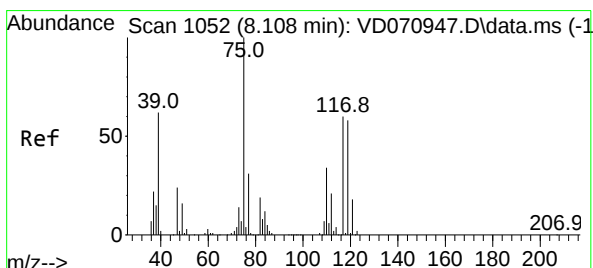
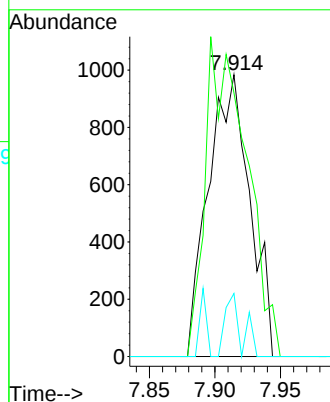
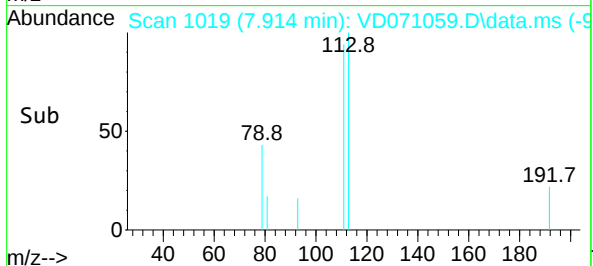
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	2167
Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.0	123.0#
192	8.9	15.2	22.8#



#36

1,1-Dichloropropene

Concen: 1.847 ug/l

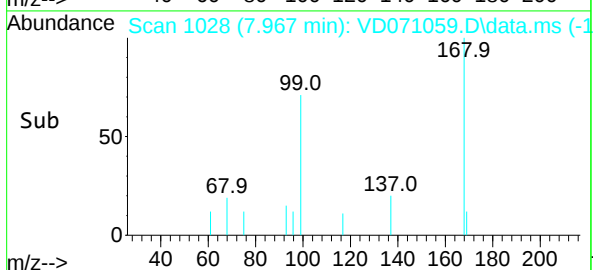
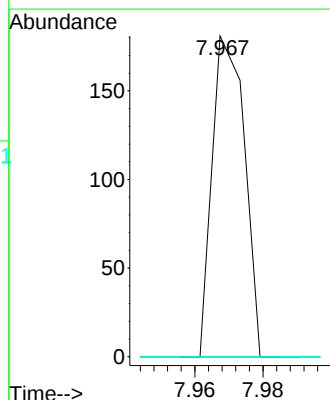
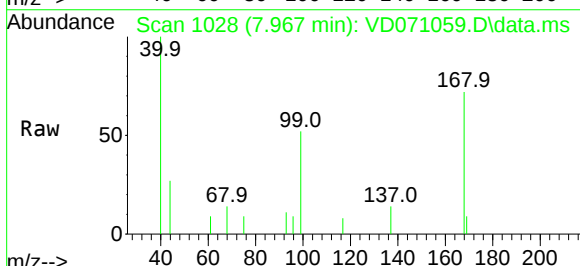
RT: 7.967 min Scan# 1028

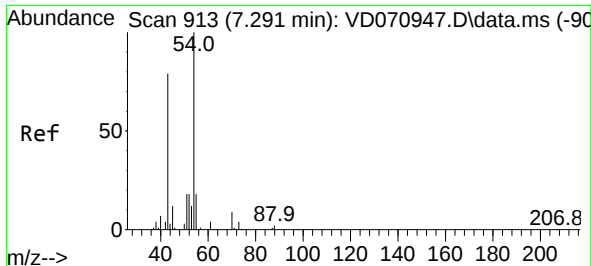
Delta R.T. -0.141 min

Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

Tgt Ion:	75	Resp:	119
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 1.871 ug/l

RT: 7.162 min Scan# 891

Delta R.T. -0.129 min

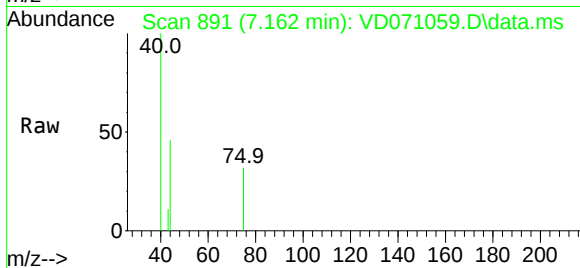
Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

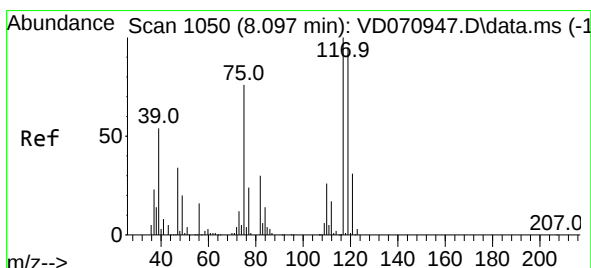
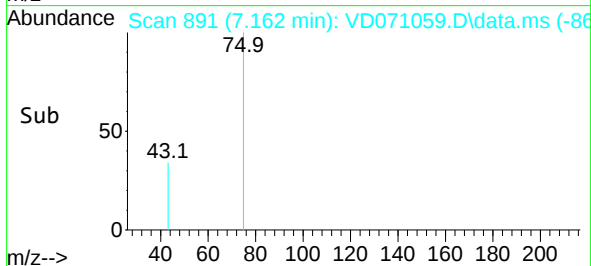
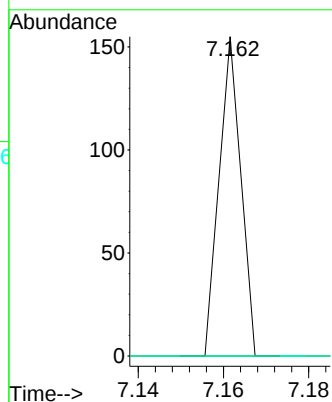
Instrument :

MSVOA_D

ClientSampleId :



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: 7.450 ug/l

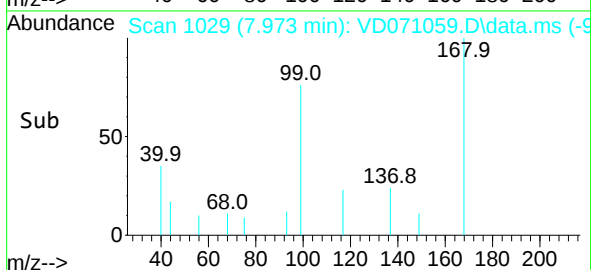
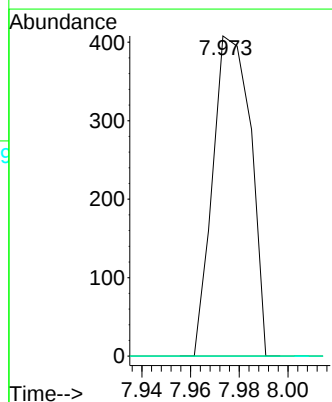
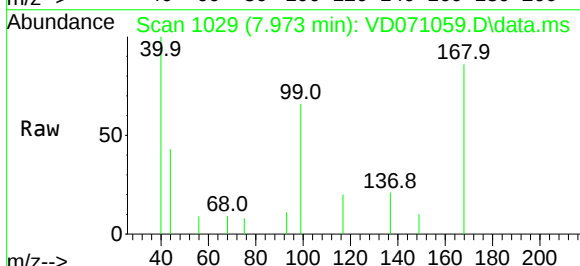
RT: 7.973 min Scan# 1029

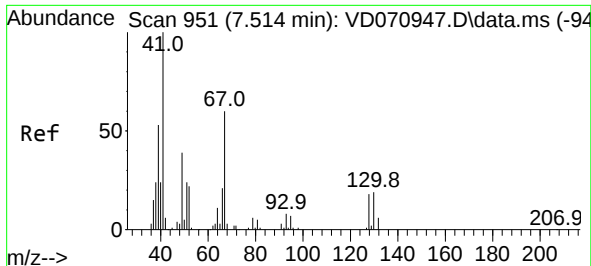
Delta R.T. -0.124 min

Lab File: VD071059.D

Acq: 19 Nov 2021 16:25

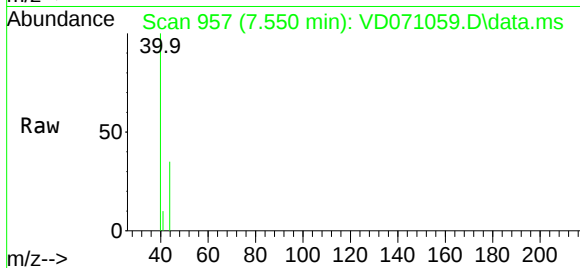
Tgt Ion: 117	Resp: 442
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 23.6 35.4#



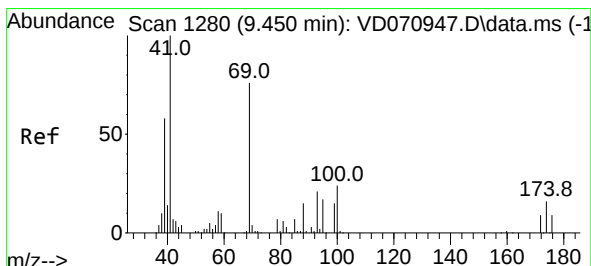
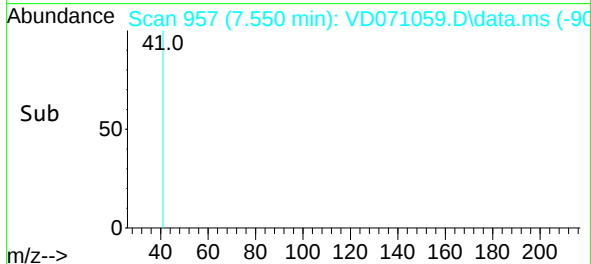
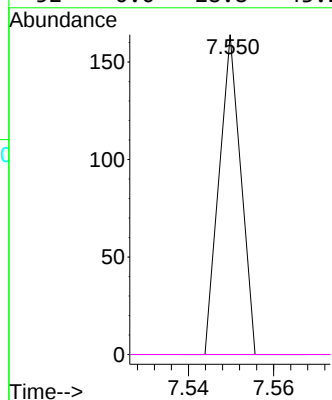


#41
Methacrylonitrile
Concen: 5.997 ug/l
RT: 7.550 min Scan# 91
Delta R.T. 0.036 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

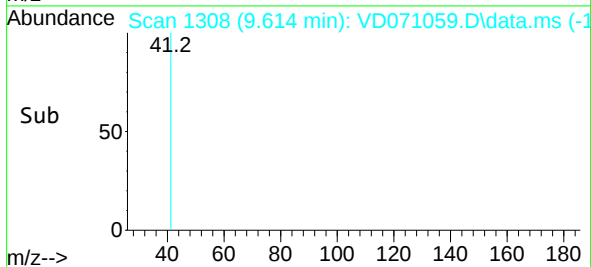
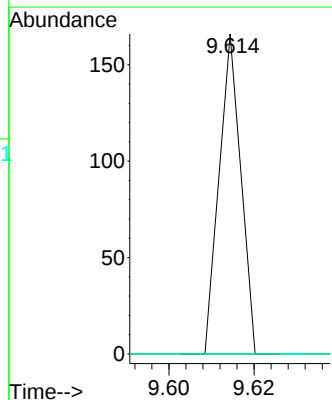
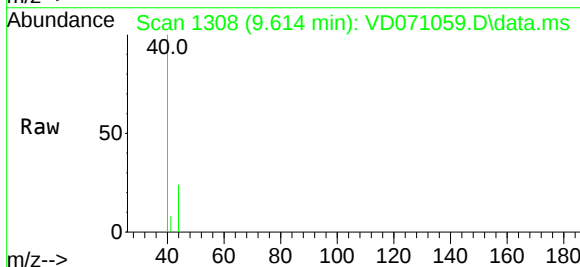


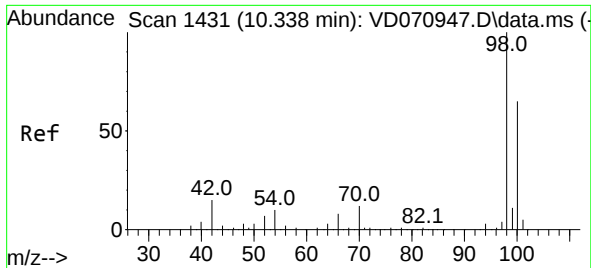
Tgt Ion:	41	Resp:	58
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#



#48
Methyl methacrylate
Concen: 1.933 ug/l
RT: 9.614 min Scan# 1308
Delta R.T. 0.164 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Tgt Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.6#
39	0.0	35.6	53.4#

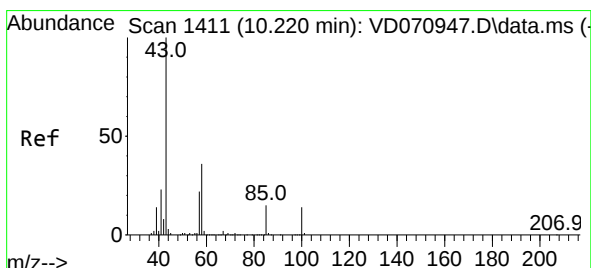
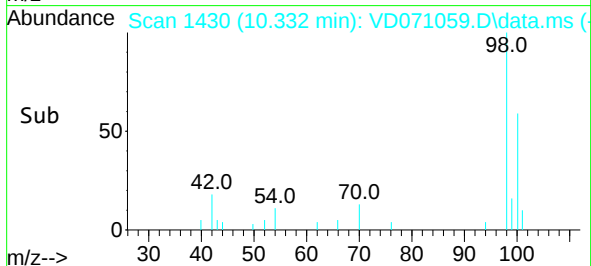
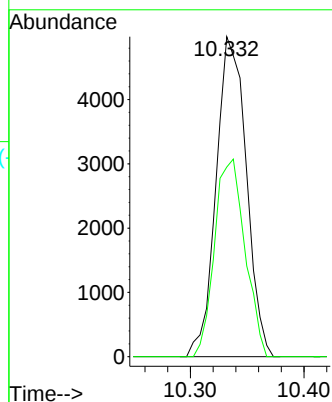
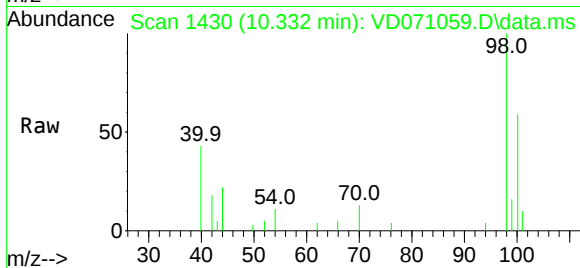




#50
Toluene-d8
Concen: 57.687 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

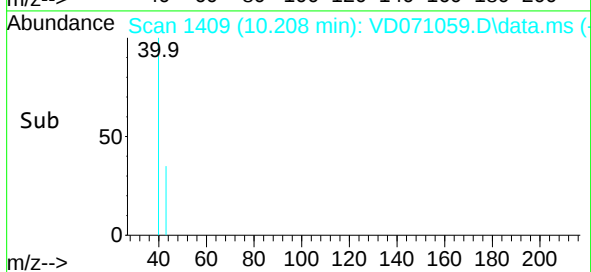
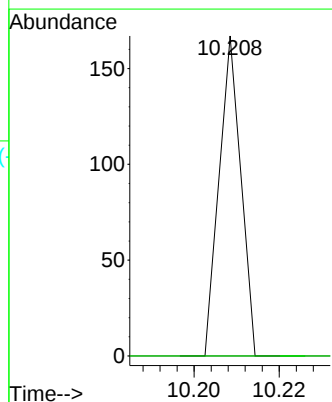
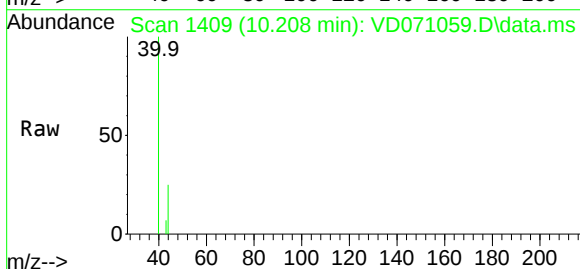
Instrument :
MSVOA_D
ClientSampleId :

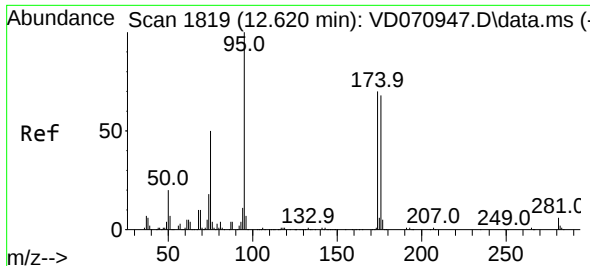
Tgt Ion: 98 Resp: 9199
Ion Ratio Lower Upper
98 100
100 62.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.956 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.012 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

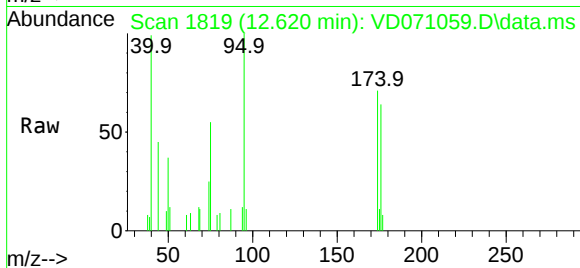
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



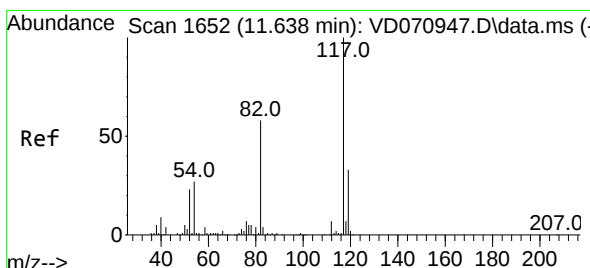
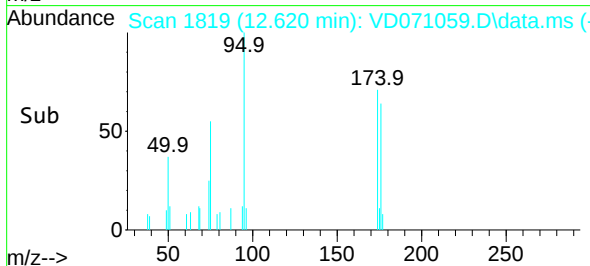
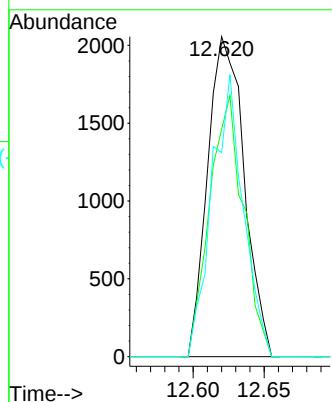


#62
4-Bromofluorobenzene
Concen: 64.093 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

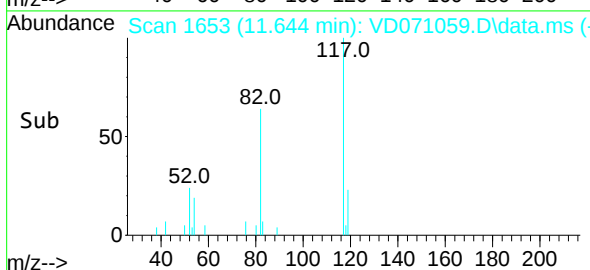
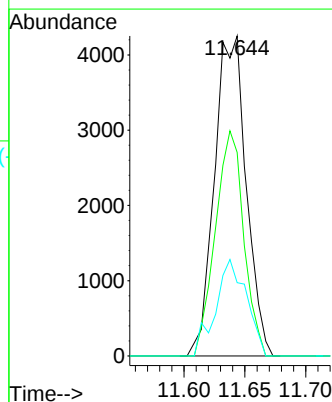
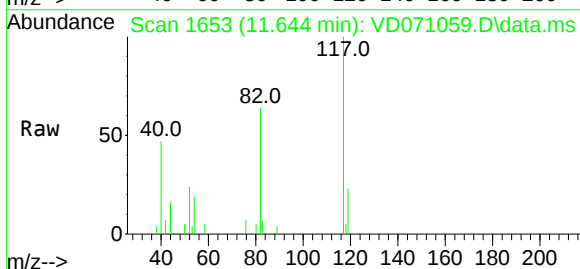


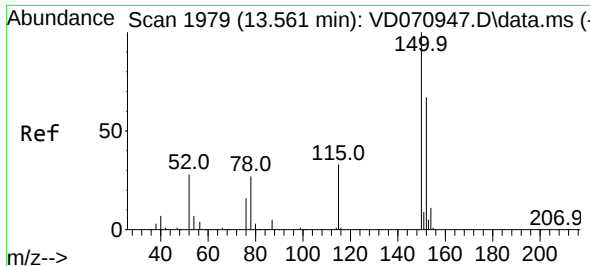
Tgt Ion: 95 Resp: 3680
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 75.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Tgt Ion: 117 Resp: 7694
Ion Ratio Lower Upper
117 100
82 63.6 44.7 67.1
119 22.9 26.2 39.4#

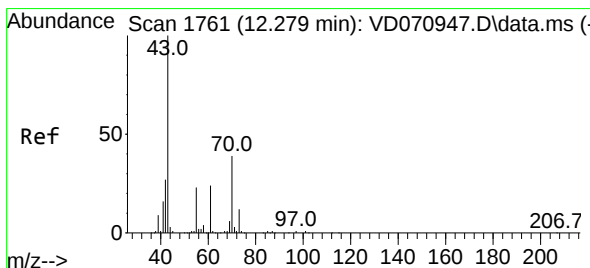
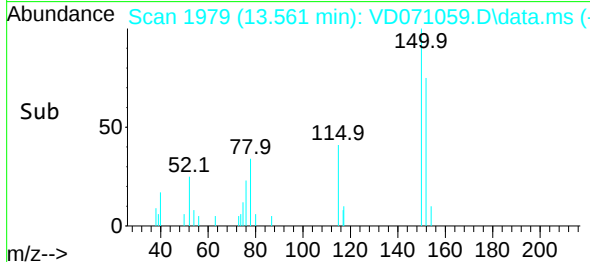
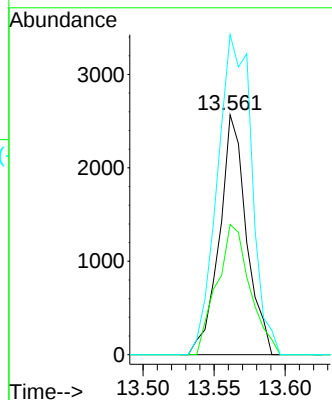
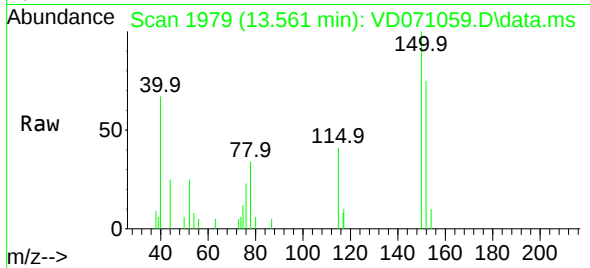




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1799
 Delta R.T. 0.000 min
 Lab File: VD071059.D
 Acq: 19 Nov 2021 16:25

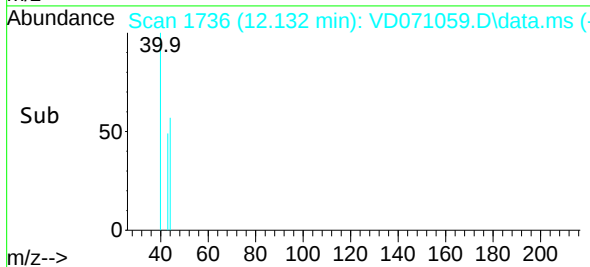
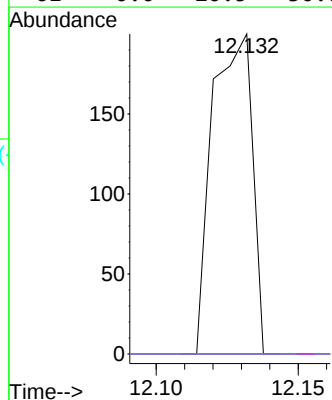
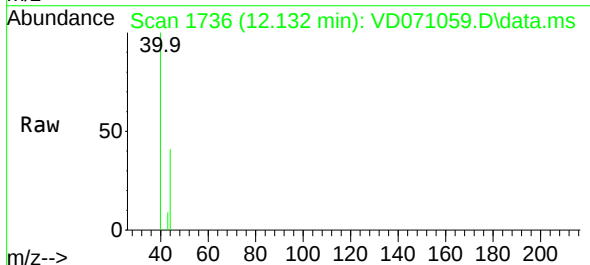
Instrument :
 MSVOA_D
 ClientSampleId :

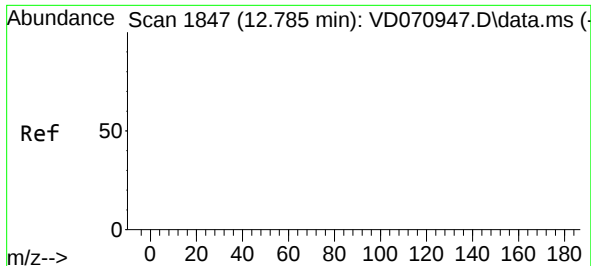
Tgt Ion:152 Resp: 3402
 Ion Ratio Lower Upper
 152 100
 115 66.3 29.8 89.3
 150 169.3 0.0 349.2



#74
 N-ethyl acetate
 Concen: 2.785 ug/l
 RT: 12.132 min Scan# 1736
 Delta R.T. -0.147 min
 Lab File: VD071059.D
 Acq: 19 Nov 2021 16:25

Tgt Ion: 43 Resp: 195
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.6 55.0#
 55 0.0 22.5 33.7#
 61 0.0 20.5 30.7#

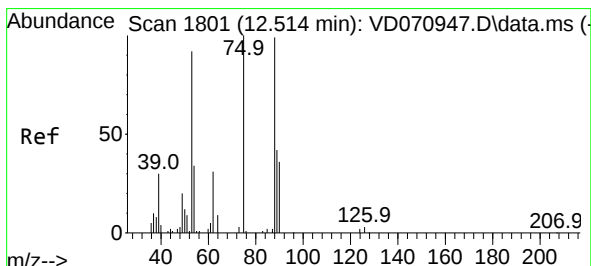
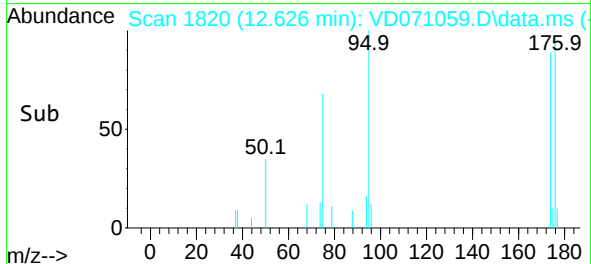
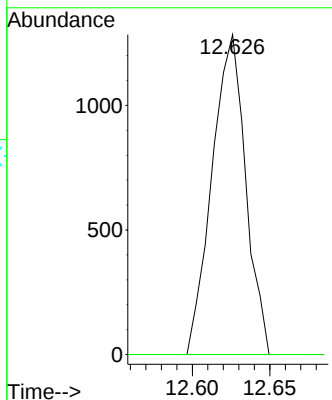
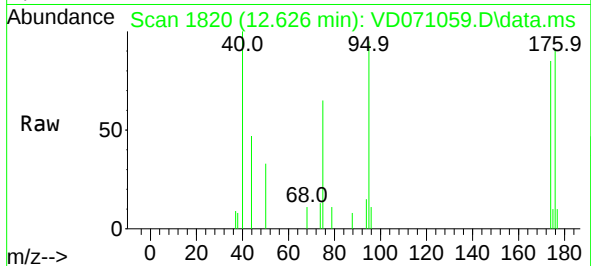




#76
1,2,3-Trichloropropane
Concen: 66.655 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 1937
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.139 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD071059.D
Acq: 19 Nov 2021 16:25

Tgt Ion: 75 Resp: 1937
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

