

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070909.D
 Acq On : 03 Nov 2021 14:36
 Operator : VA/SY
 Sample : M4454-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:10:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

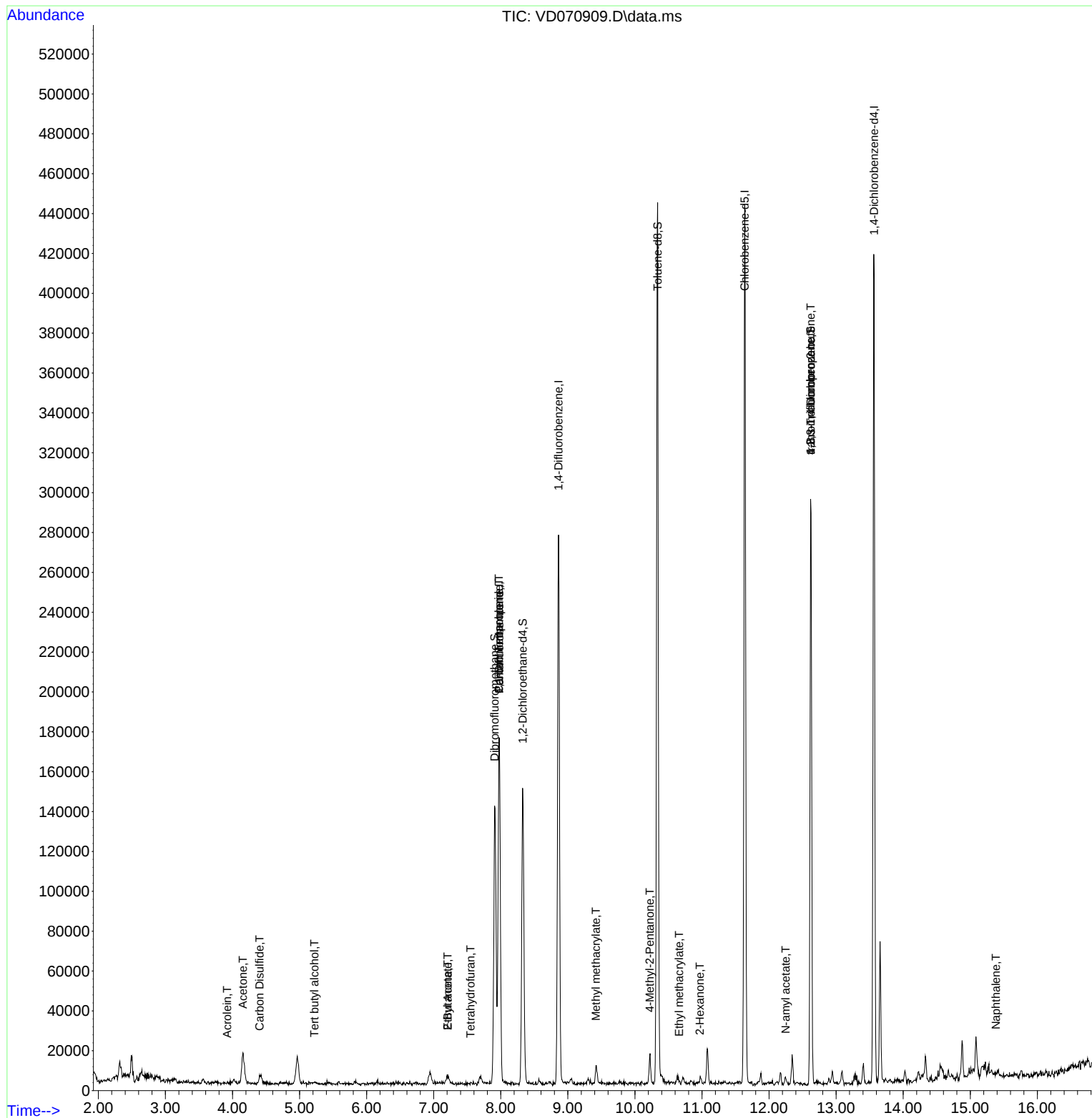
Internal Standards						
1) Pentafluorobenzene	7.979	168	137177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	242508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	266186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	121784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	112907	81.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 163.680%#	
35) Dibromofluoromethane	7.908	113	103165	64.519	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.040%	
50) Toluene-d8	10.338	98	313598	52.131	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.260%	
62) 4-Bromofluorobenzene	12.620	95	106169	53.490	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	140	Below Cal	#	3
11) Tert butyl alcohol	5.220	59	1088	14.838	ug/l #	71
13) Acrolein	3.920	56	223	3.391	ug/l #	49
16) Acetone	4.156	43	26700	83.183	ug/l	96
17) Carbon Disulfide	4.403	76	5909	1.208	ug/l #	73
25) 2-Butanone	7.208	43	5410	13.694	ug/l #	58
29) Tetrahydrofuran	7.550	42	259	1.085	ug/l #	34
36) 1,1-Dichloropropene	7.973	75	11730	4.623	ug/l #	45
37) Ethyl Acetate	7.208	43	5410	5.735	ug/l #	66
38) Carbon Tetrachloride	7.973	117	13063	5.120	ug/l #	16
48) Methyl methacrylate	9.420	41	2561	3.057	ug/l #	30
51) 4-Methyl-2-Pentanone	10.220	43	9128	9.927	ug/l	90
56) Ethyl methacrylate	10.661	69	68	2.880	ug/l #	1
59) 2-Hexanone	10.967	43	2437	3.713	ug/l	77
74) N-amyl acetate	12.249	43	2857	1.599	ug/l #	41
76) 1,2,3-Trichloropropane	12.620	75	45835	38.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	45835	100.346	ug/l #	18
95) Naphthalene	15.384	128	2242	4.662	ug/l #	83

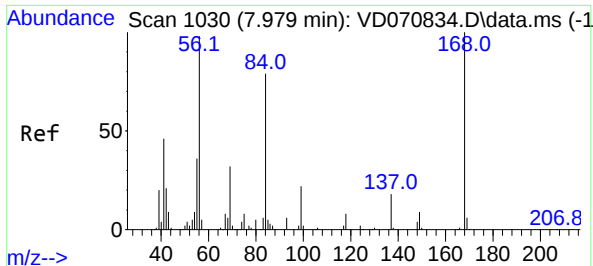
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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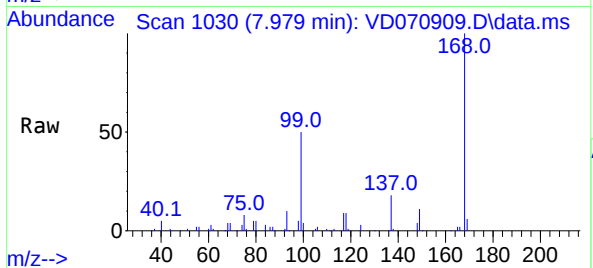
Quant Time: Nov 03 22:10:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
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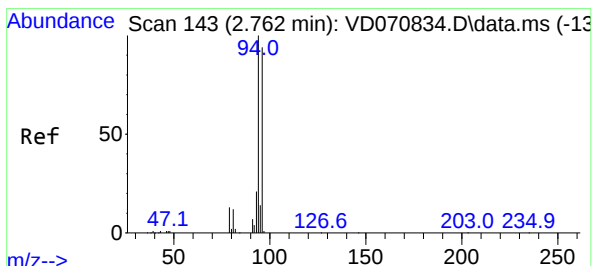
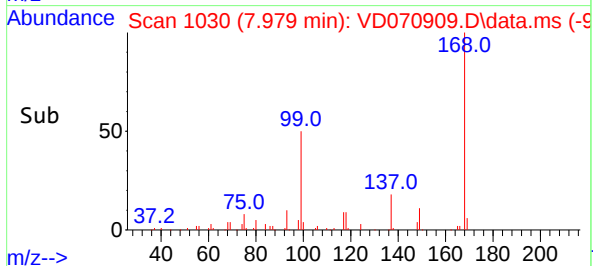
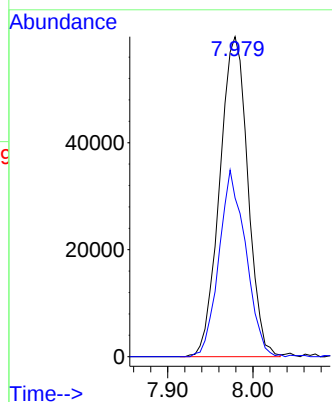


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

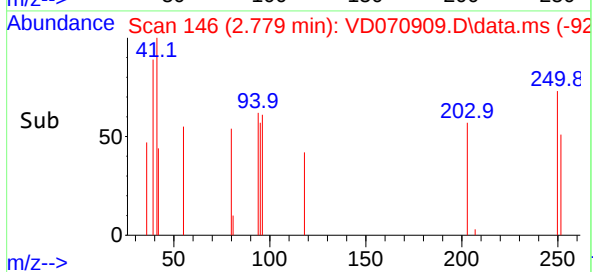
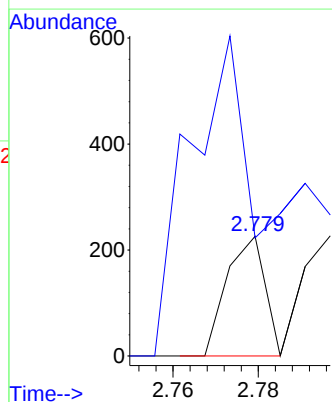
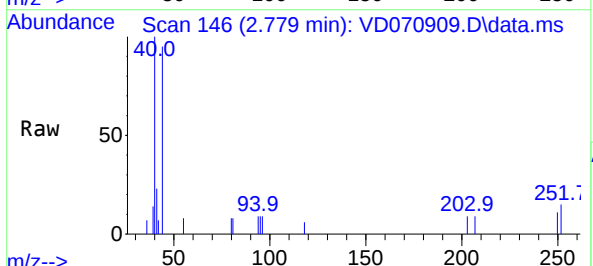


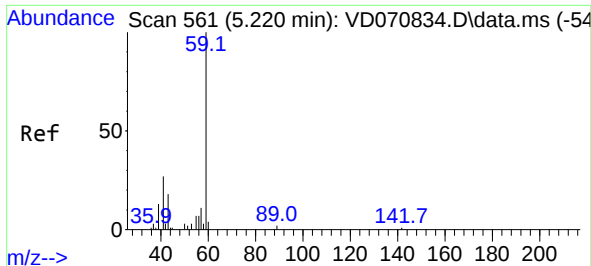
Tgt Ion:168 Resp: 137177
Ion Ratio Lower Upper
168 100
99 49.6 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

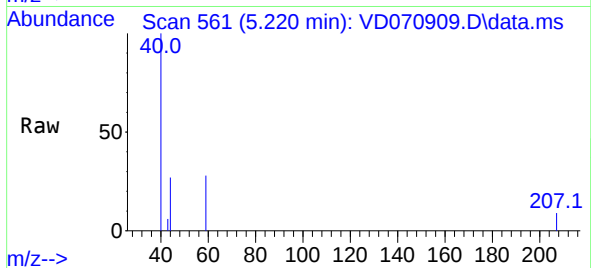
Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



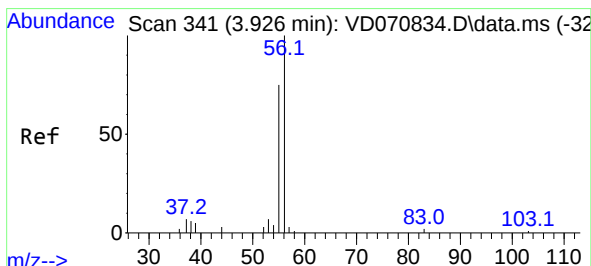
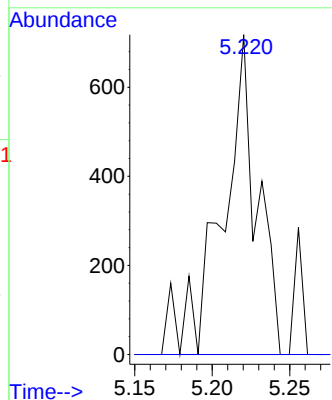
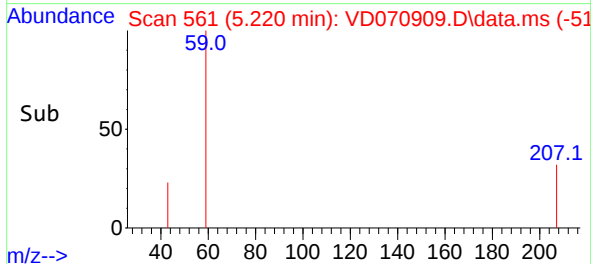


#11
Tert butyl alcohol
Concen: 14.838 ug/l
RT: 5.220 min Scan# 50
Delta R.T. 0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

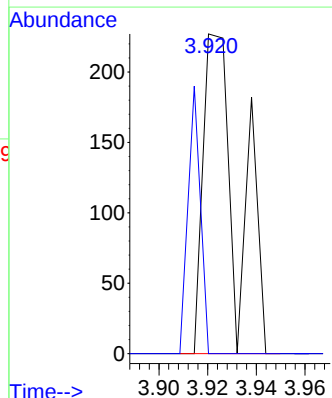
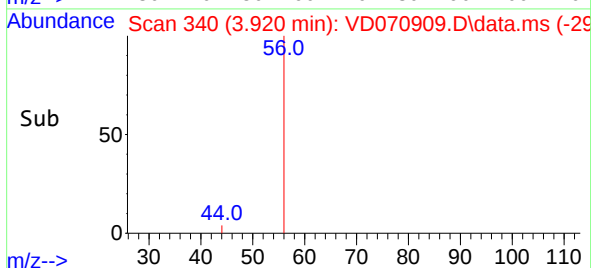
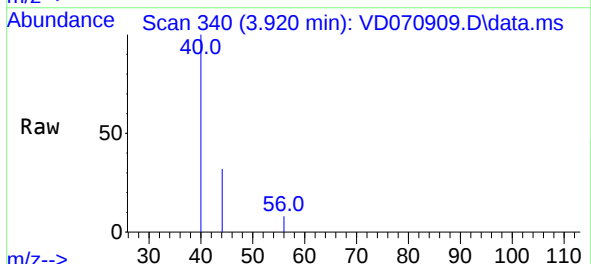


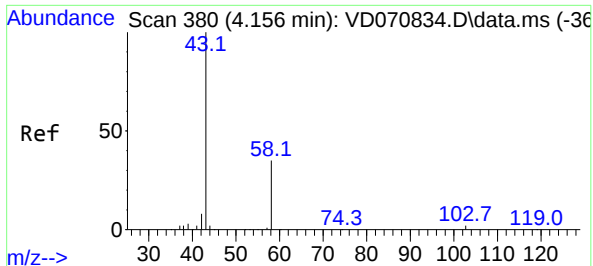
Tgt Ion: 59 Resp: 1088
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 3.391 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
55 30.0 58.6 87.8#

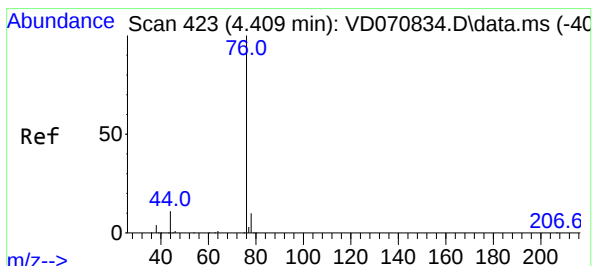
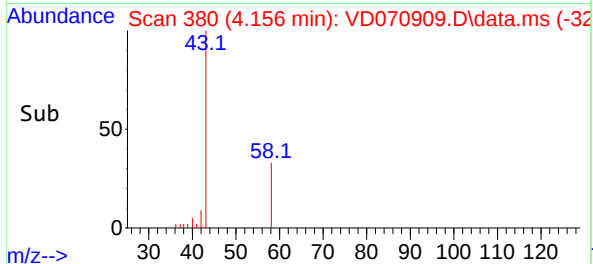
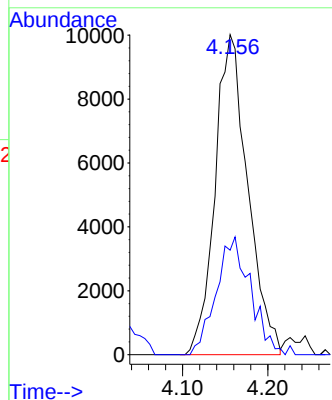
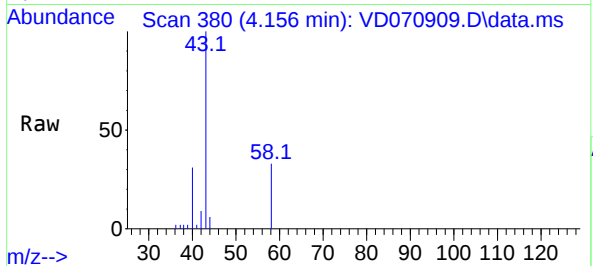




#16
Acetone
Concen: 83.183 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

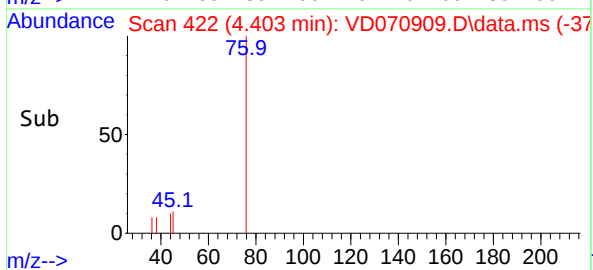
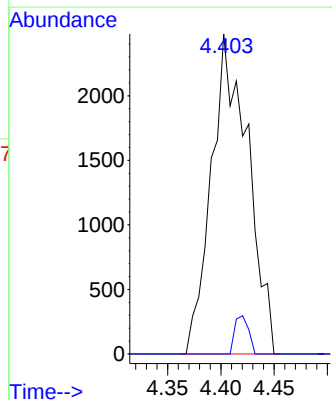
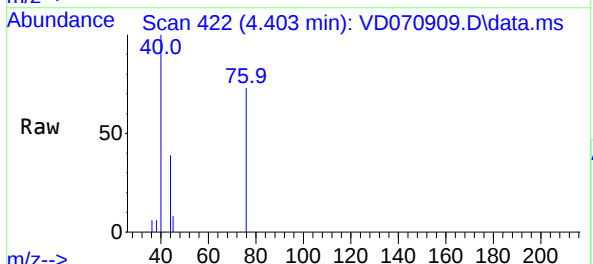
Instrument :
MSVOA_D
ClientSampleId :

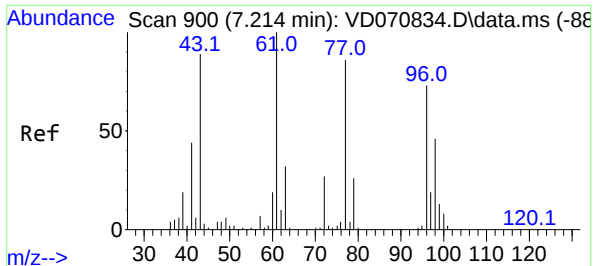
Tgt Ion: 43 Resp: 26700
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8



#17
Carbon Disulfide
Concen: 1.208 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Tgt Ion: 76 Resp: 5909
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#

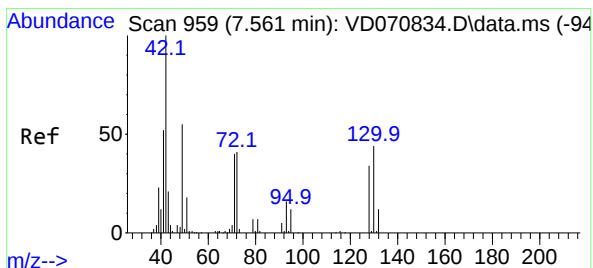
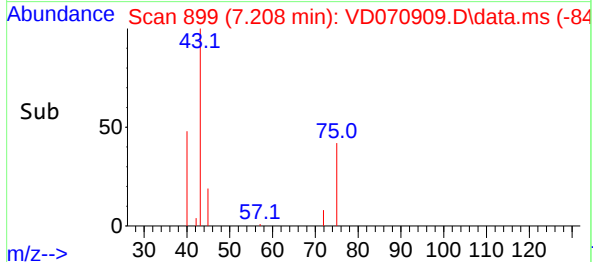
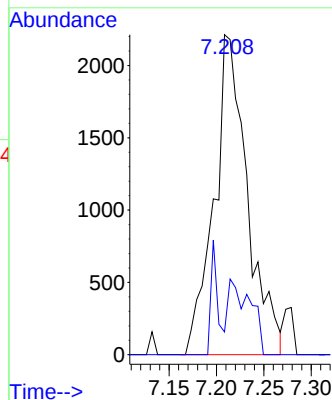
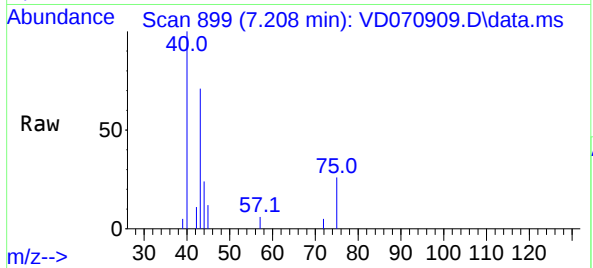




#25
2-Butanone
Concen: 13.694 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

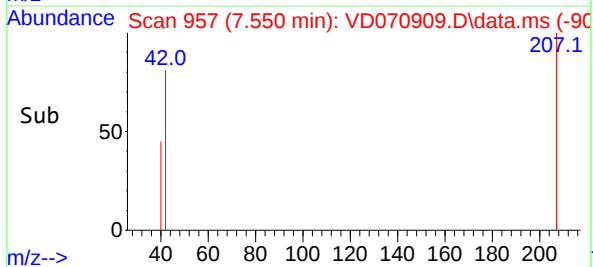
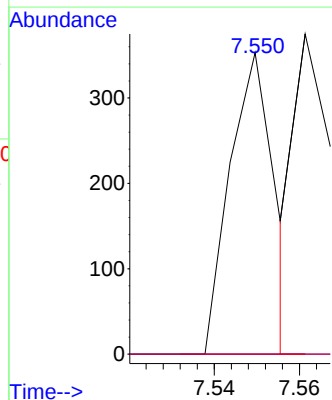
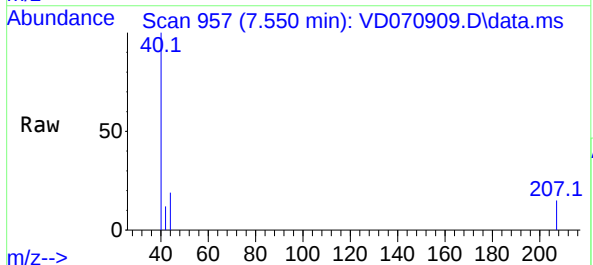
Instrument :
MSVOA_D
ClientSampleId :

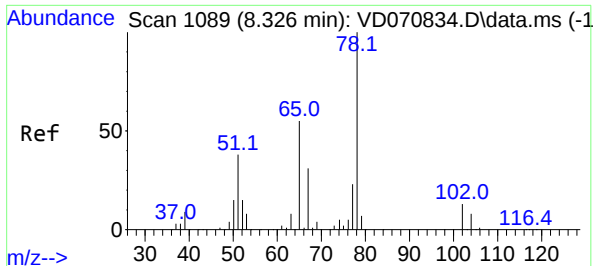
Tgt Ion: 43 Resp: 5410
Ion Ratio Lower Upper
43 100
72 7.1 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.085 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.012 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Tgt Ion: 42 Resp: 259
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: 81.837 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD070909.D

Acq: 03 Nov 2021 14:36

Instrument :

MSVOA_D

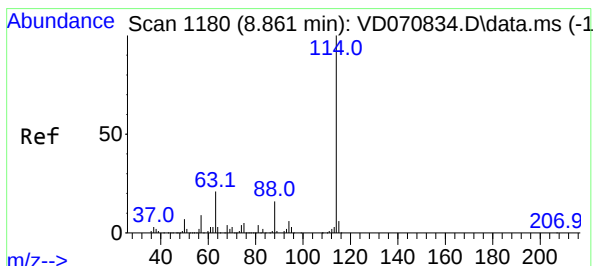
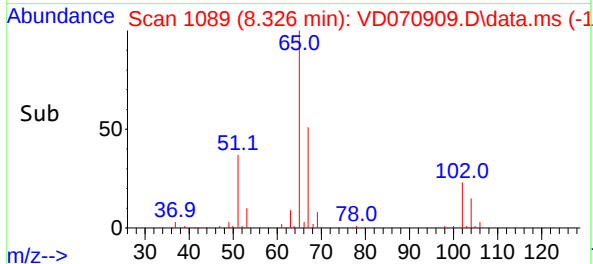
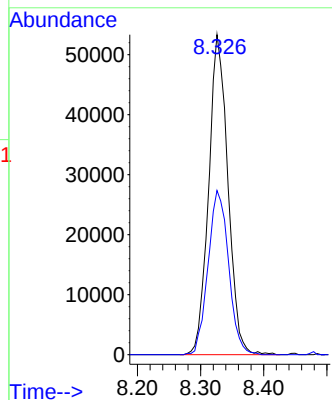
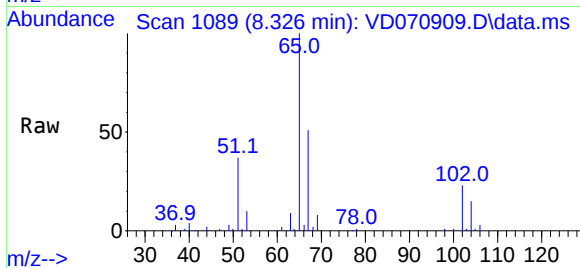
ClientSampleId :

Tgt Ion: 65 Resp: 112907

Ion Ratio Lower Upper

65 100

67 54.8 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: VD070909.D

Acq: 03 Nov 2021 14:36

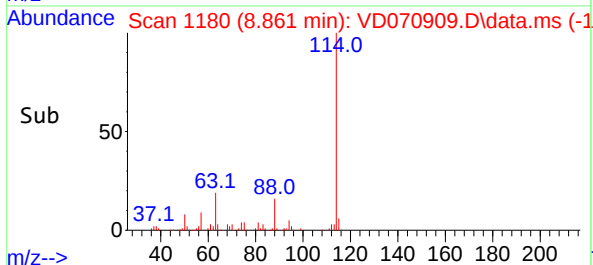
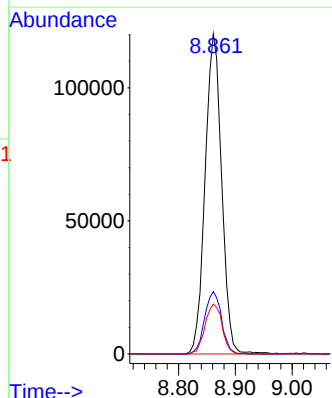
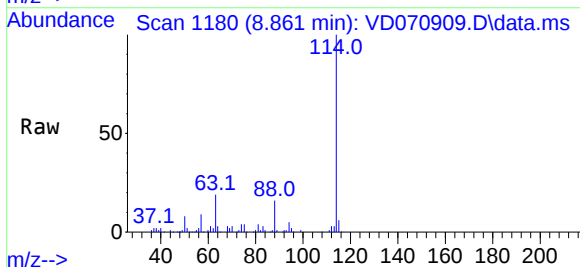
Tgt Ion: 114 Resp: 242508

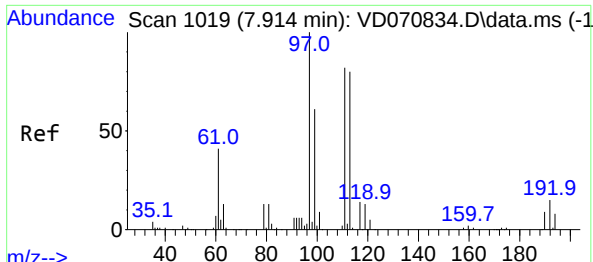
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

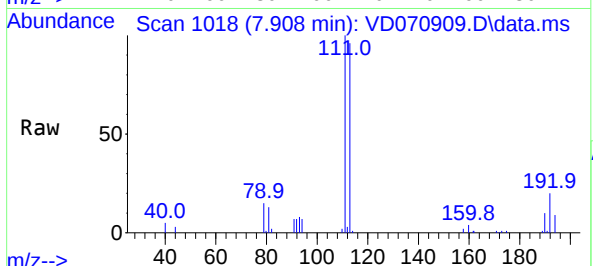
88 15.6 0.0 32.8



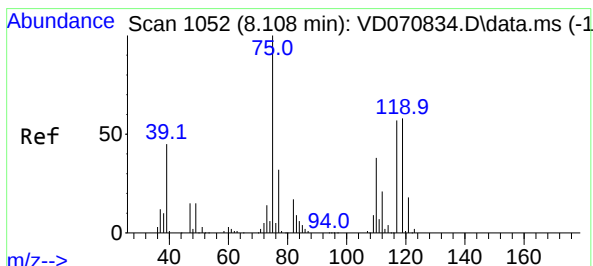
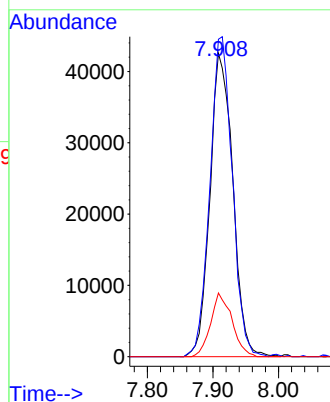
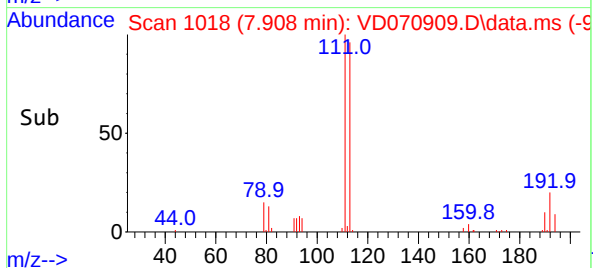


#35
Dibromofluoromethane
Concen: 64.519 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

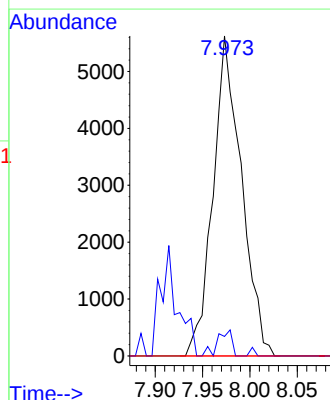
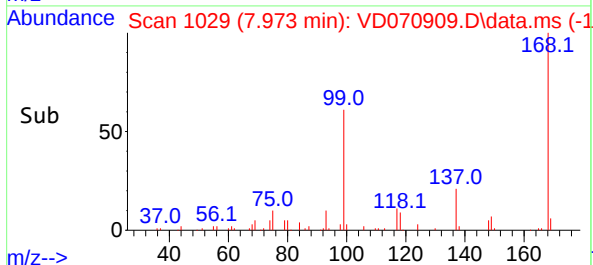
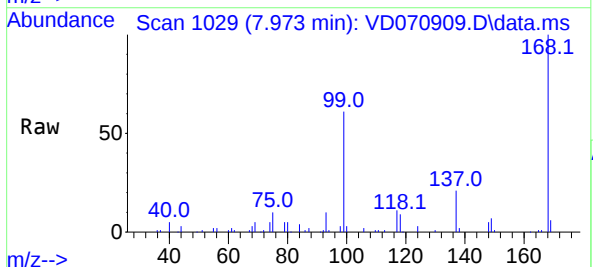


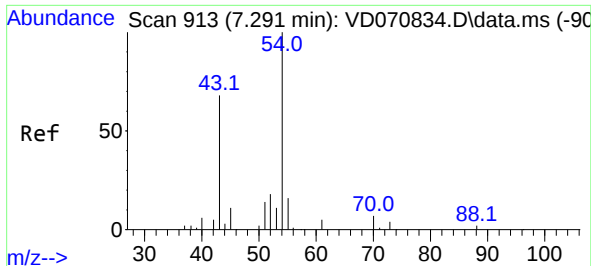
Tgt Ion:113 Resp: 103165
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 19.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Tgt Ion: 75 Resp: 11730
Ion Ratio Lower Upper
75 100
110 4.1 17.8 53.4#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 5.735 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

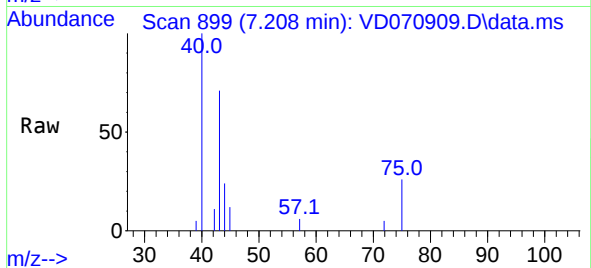
Lab File: VD070909.D

Acq: 03 Nov 2021 14:36

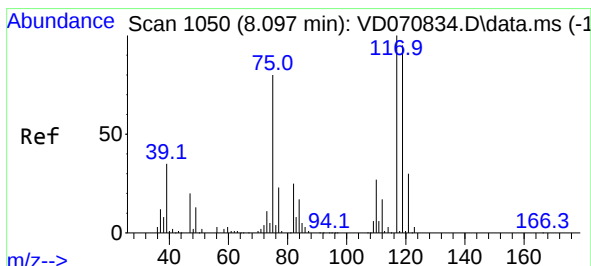
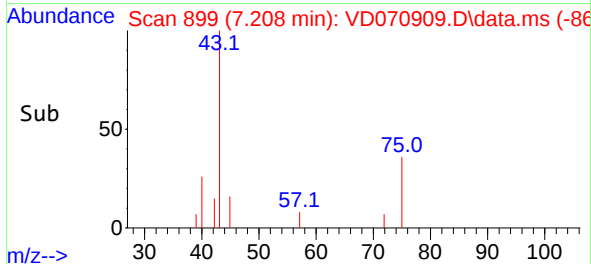
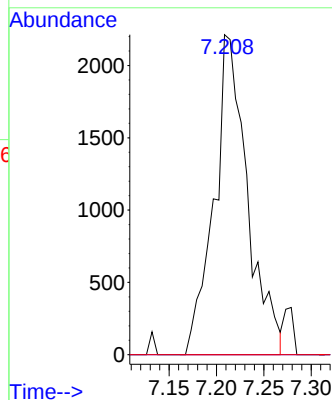
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	5410
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.120 ug/l

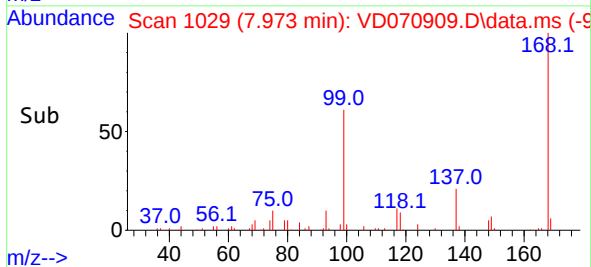
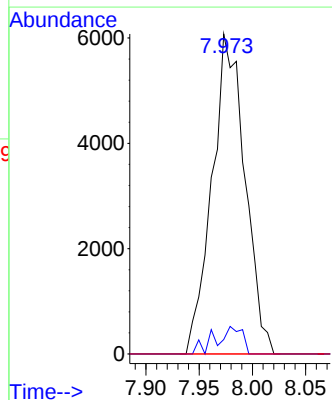
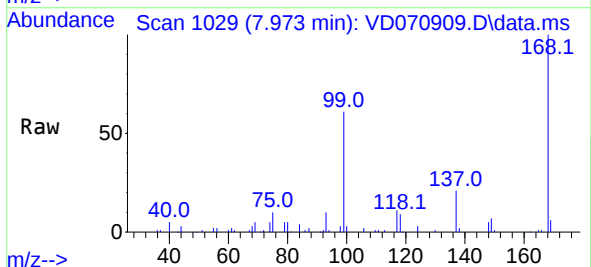
RT: 7.973 min Scan# 1029

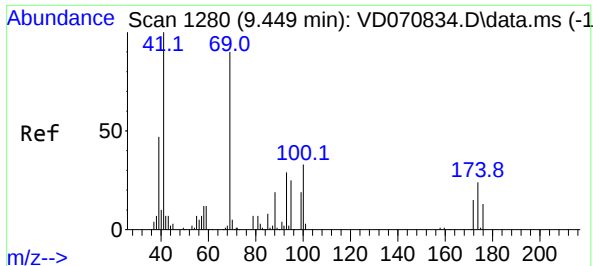
Delta R.T. -0.123 min

Lab File: VD070909.D

Acq: 03 Nov 2021 14:36

Tgt Ion:	117	Resp:	13063
Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	23.6	35.4#





#48

Methyl methacrylate

Concen: 3.057 ug/l

RT: 9.420 min Scan# 11

Delta R.T. -0.029 min

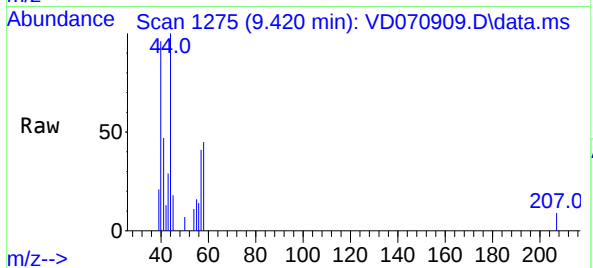
Lab File: VD070909.D

Acq: 03 Nov 2021 14:36

Instrument :

MSVOA_D

ClientSampleId :



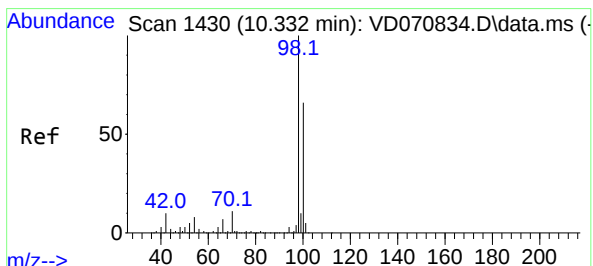
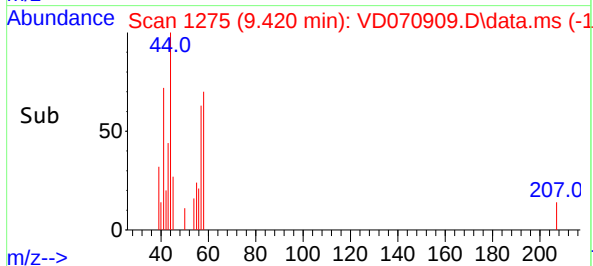
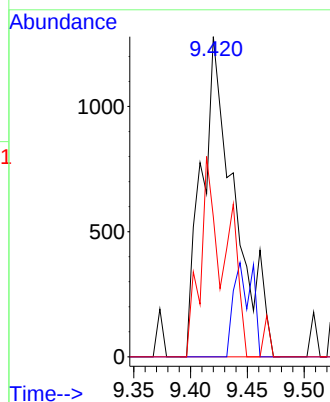
Tgt Ion: 41 Resp: 2561

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 30.1 35.6 53.4#



#50

Toluene-d8

Concen: 52.131 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD070909.D

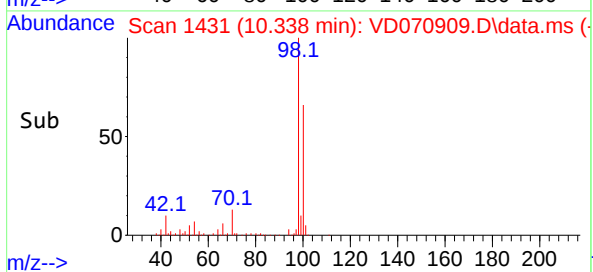
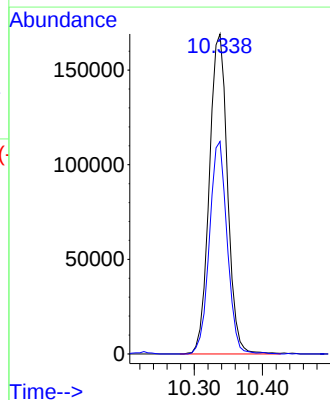
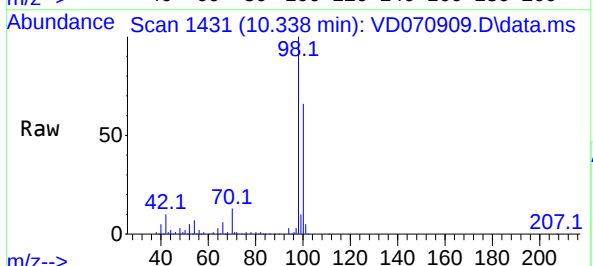
Acq: 03 Nov 2021 14:36

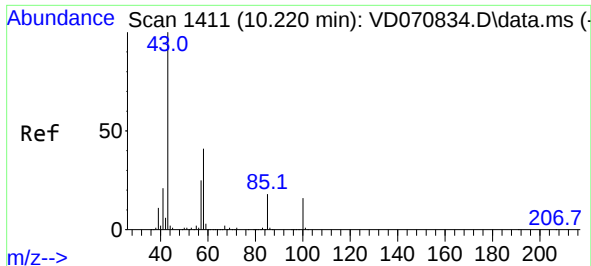
Tgt Ion: 98 Resp: 313598

Ion Ratio Lower Upper

98 100

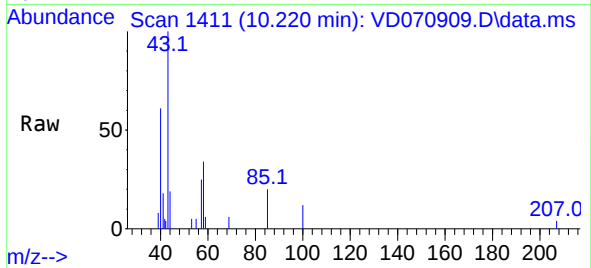
100 64.8 51.8 77.6



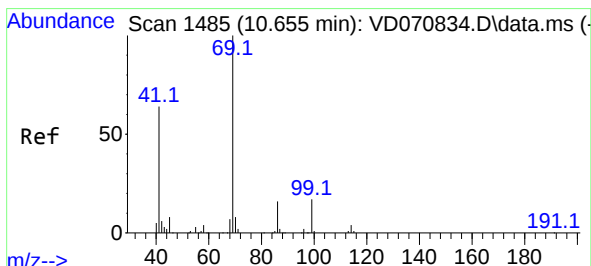
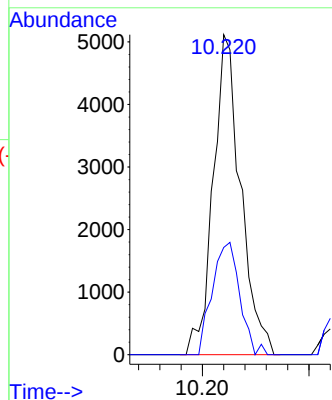
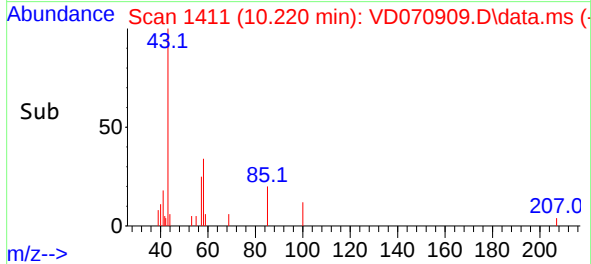


#51
4-Methyl-2-Pentanone
Concen: 9.927 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

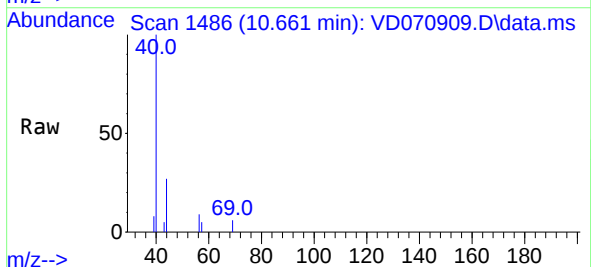
Instrument :
MSVOA_D
ClientSampleId :



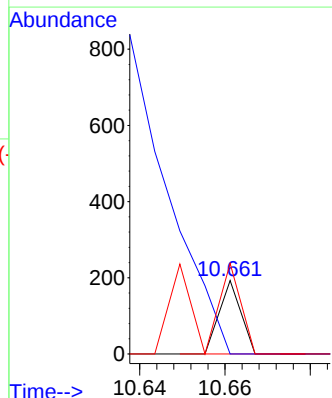
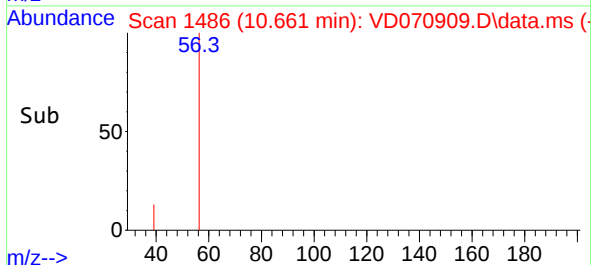
Tgt Ion: 43 Resp: 9128
Ion Ratio Lower Upper
43 100
58 35.1 33.1 49.7

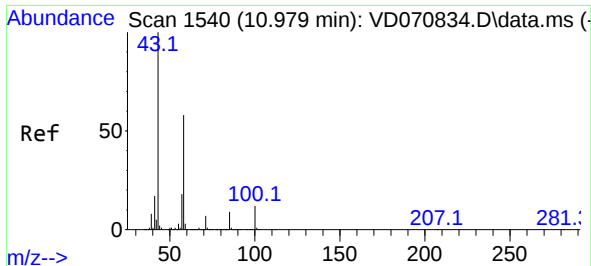


#56
Ethyl methacrylate
Concen: 2.880 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36



Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 245.6 19.8 29.8#

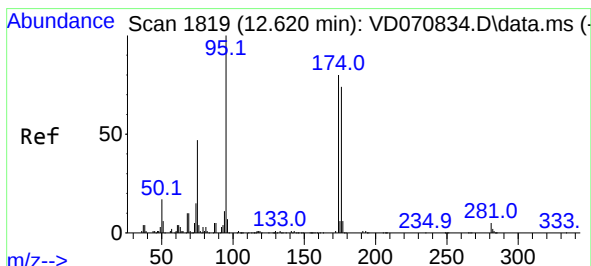
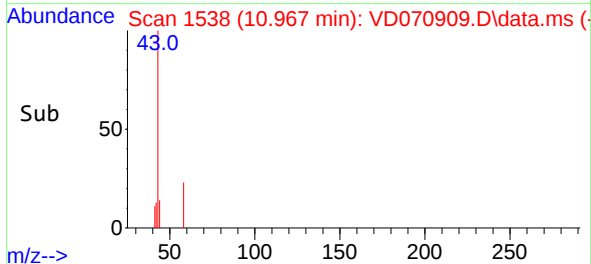
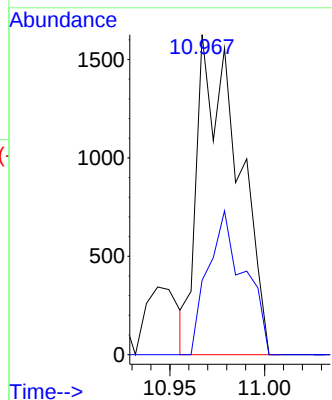
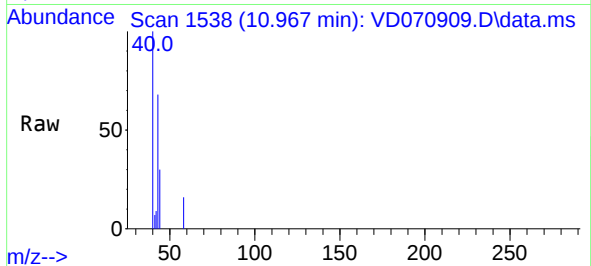




#59
2-Hexanone
Concen: 3.713 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

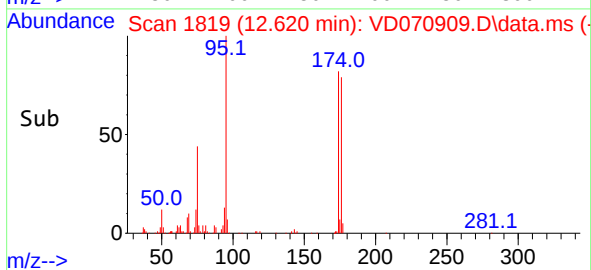
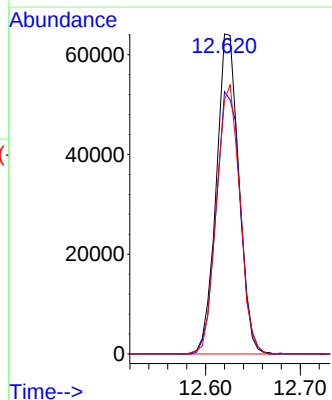
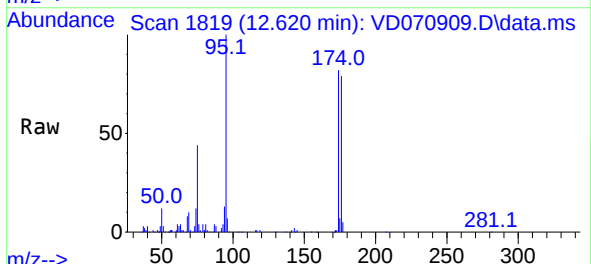
Instrument :
MSVOA_D
ClientSampleId :

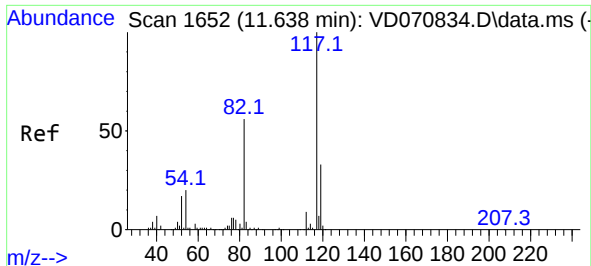
Tgt Ion: 43 Resp: 2437
Ion Ratio Lower Upper
43 100
58 40.1 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 53.490 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

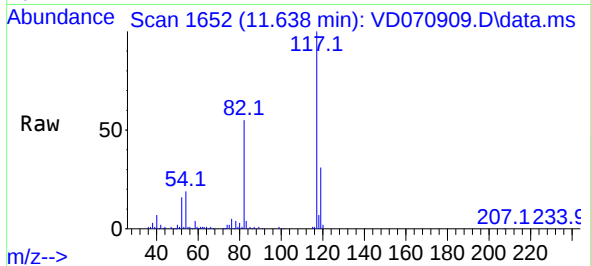
Tgt Ion: 95 Resp: 106169
Ion Ratio Lower Upper
95 100
174 87.7 0.0 159.4
176 87.0 0.0 154.0



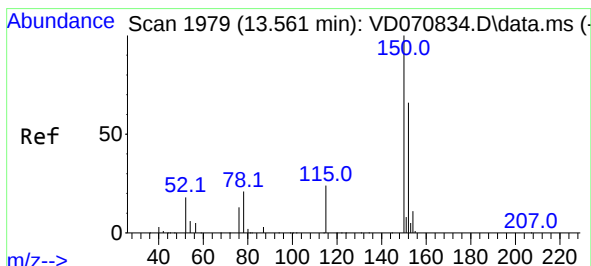
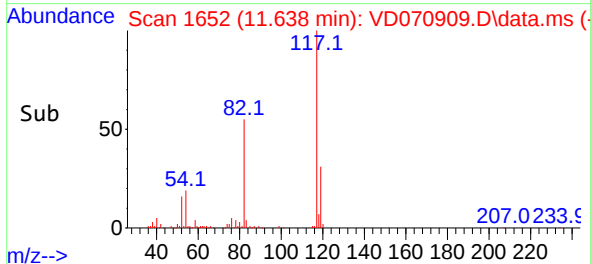
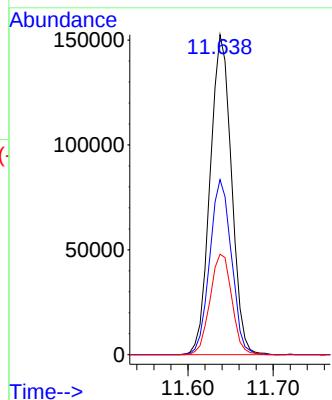


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

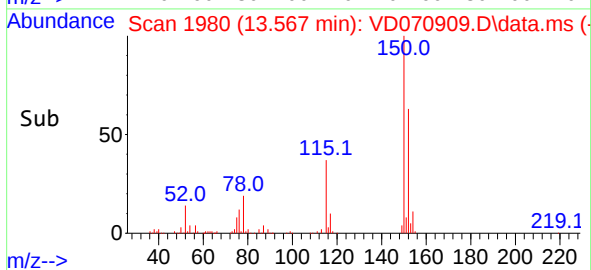
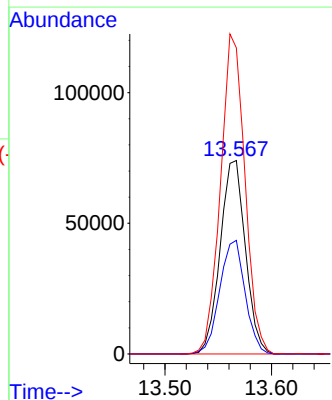
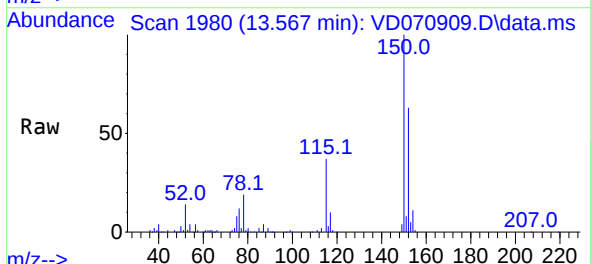


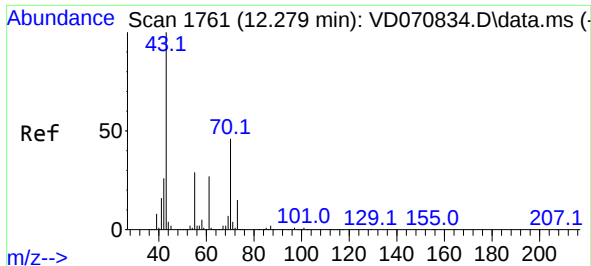
Tgt Ion:117 Resp: 266186
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 31.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

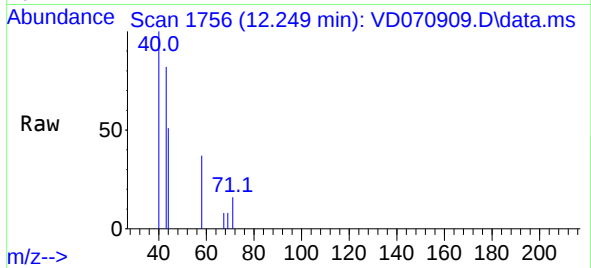
Tgt Ion:152 Resp: 121784
Ion Ratio Lower Upper
152 100
115 59.2 29.8 89.3
150 159.8 0.0 349.2



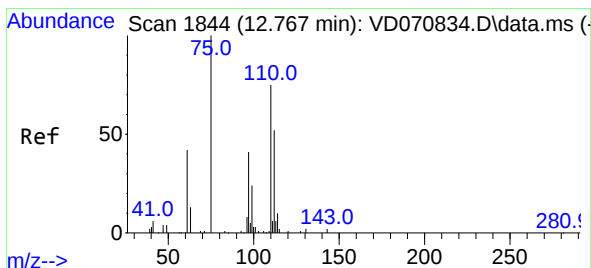
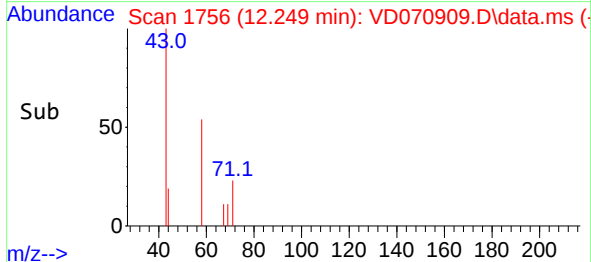
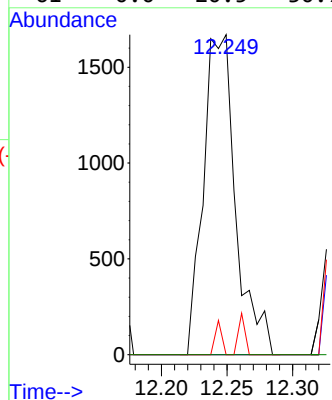


#74
N-amy1 acetate
Concen: 1.599 ug/l
RT: 12.249 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

Instrument :
MSVOA_D
ClientSampleId :

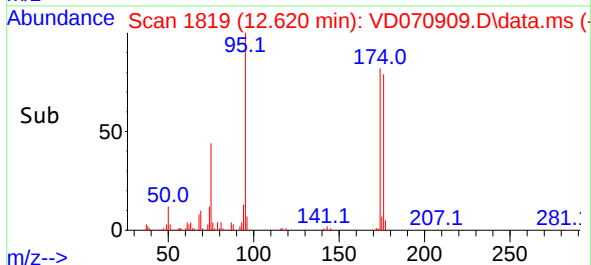
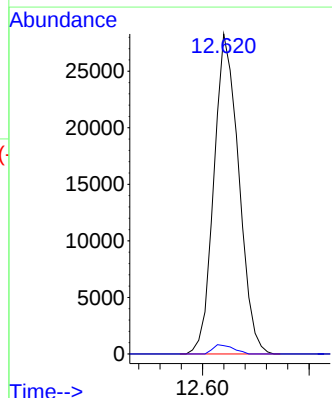
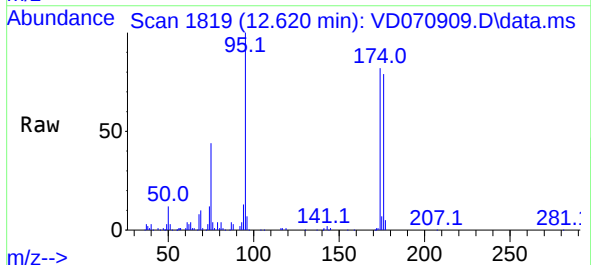


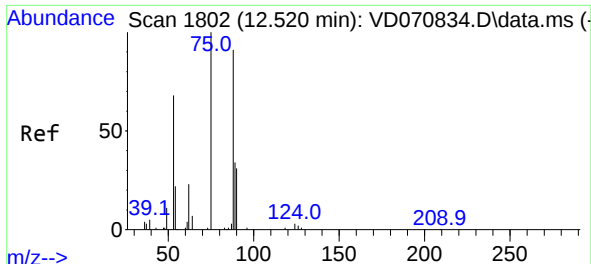
Tgt Ion:	43	Resp:	2857
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	2.2	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 38.232 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

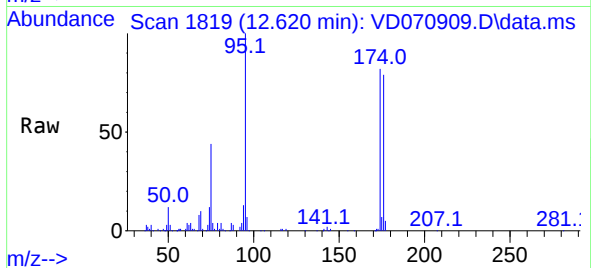
Tgt Ion:	75	Resp:	45835
Ion	Ratio	Lower	Upper
75	100		
77	2.4	158.4	475.3#



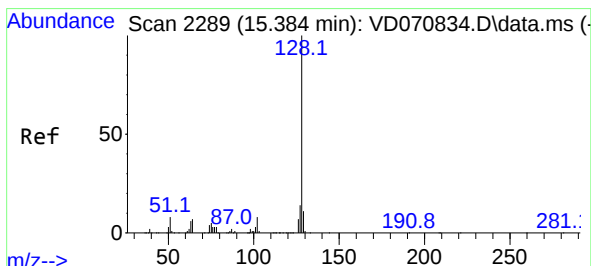
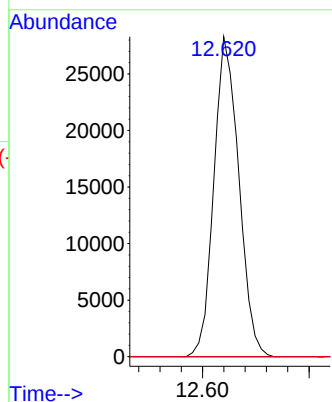
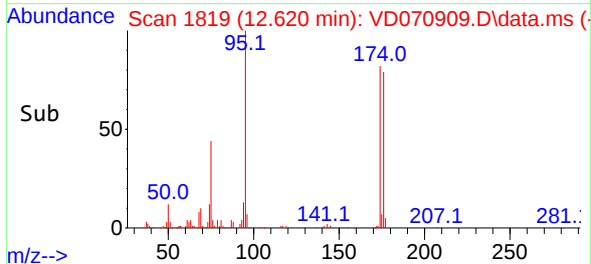


#81
trans-1,4-Dichloro-2-butene
Concen: 100.346 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36

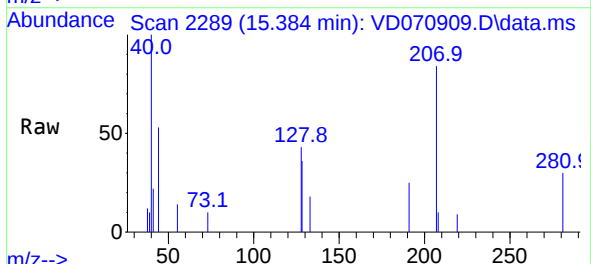
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 45835
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.662 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070909.D
Acq: 03 Nov 2021 14:36



Tgt Ion: 128 Resp: 2242
Ion Ratio Lower Upper
128 100
127 10.6 10.7 16.1#
129 0.0 8.7 13.1#

