

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071190.D
 Acq On : 07 Dec 2021 18:23
 Operator : VA/SY
 Sample : M4945-01RE
 Misc : 4.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 02:52:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

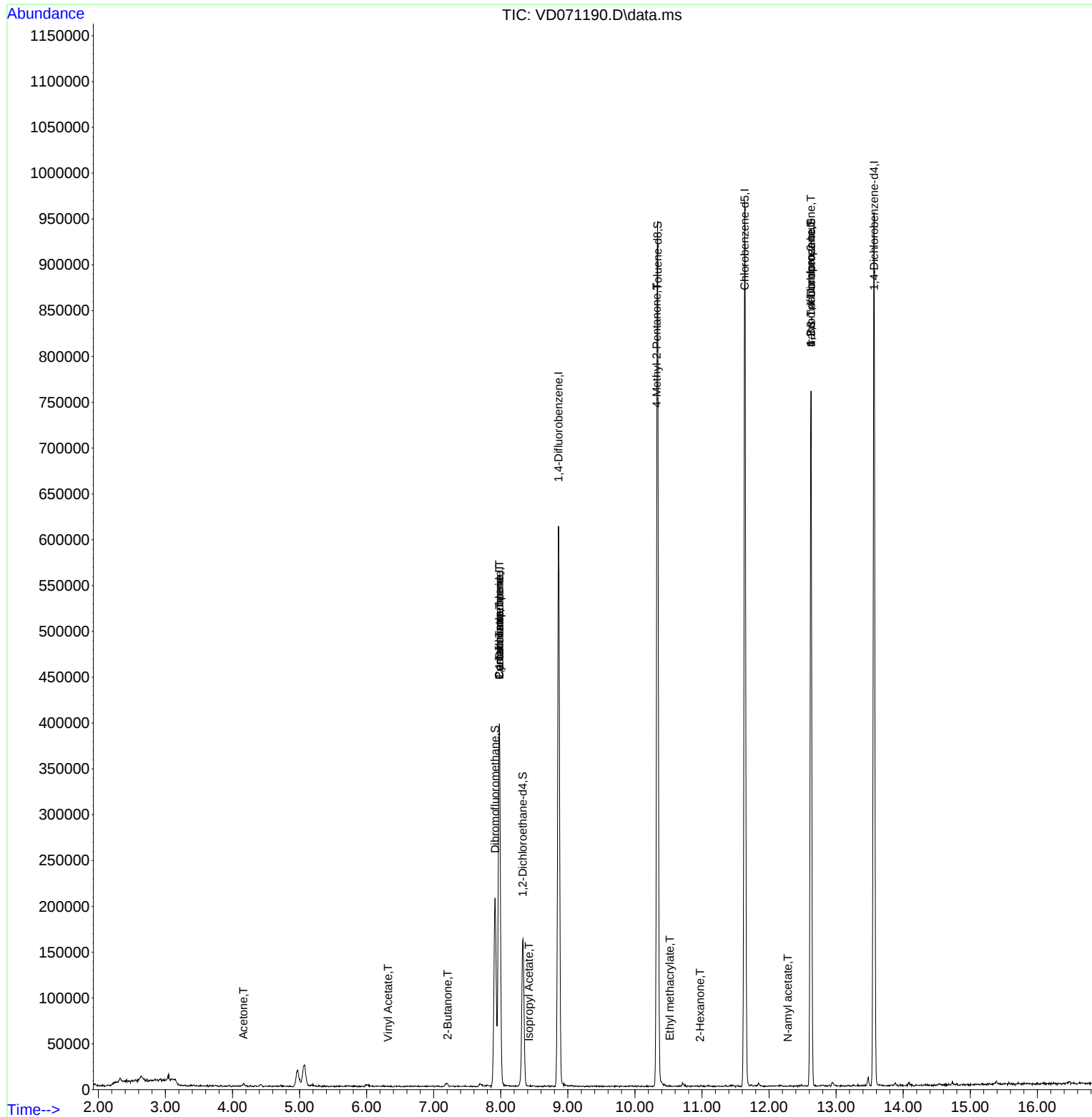
Internal Standards						
1) Pentafluorobenzene	7.979	168	282222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	491113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	507183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	233115	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	128609	38.84	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.68%		
35) Dibromofluoromethane	7.914	113	145231	46.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.88%		
50) Toluene-d8	10.338	98	623306	52.37	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.74%		
62) 4-Bromofluorobenzene	12.626	95	230457	55.86	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	111.72%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.203	59	713	Below Cal		95
16) Acetone	4.162	43	4058	34.84 ug/l #		88
20) Methylene Chloride	4.967	84	12329	Below Cal #		83
23) Vinyl Acetate	6.320	43	121	27.24 ug/l #		72
25) 2-Butanone	7.208	43	59	28.41 ug/l #		45
31) Cyclohexane	7.979	56	8503	1.51 ug/l #		19
36) 1,1-Dichloropropene	7.979	75	25679	5.59 ug/l #		51
38) Carbon Tetrachloride	7.979	117	30188	6.67 ug/l #		16
41) Methacrylonitrile	7.544	41	68	Below Cal #		12
43) Isopropyl Acetate	8.420	43	157	5.26 ug/l #		47
51) 4-Methyl-2-Pentanone	10.326	43	3631	32.08 ug/l #		1
56) Ethyl methacrylate	10.520	69	63	5.99 ug/l #		1
59) 2-Hexanone	10.973	43	96	34.62 ug/l #		22
74) N-amyl acetate	12.279	43	69	5.71 ug/l #		40
76) 1,2,3-Trichloropropane	12.626	75	131830	59.36 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	131830	128.57 ug/l #		18

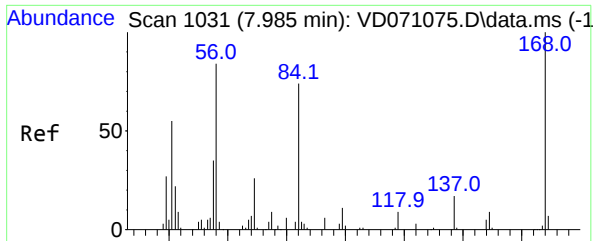
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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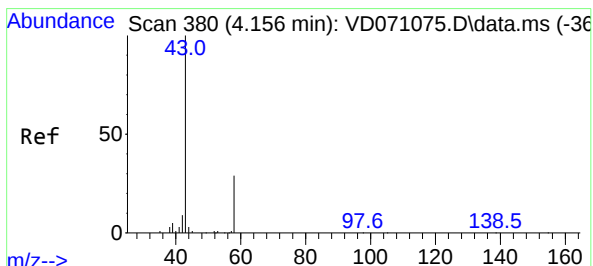
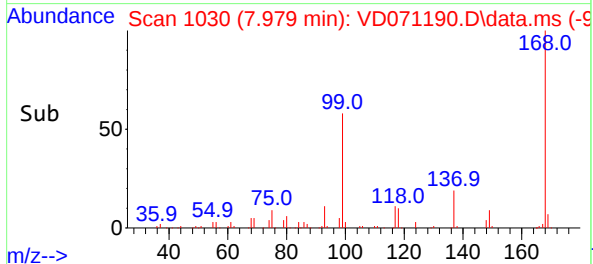
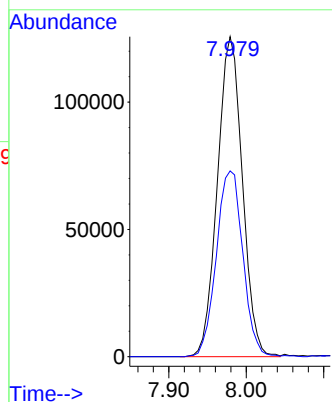
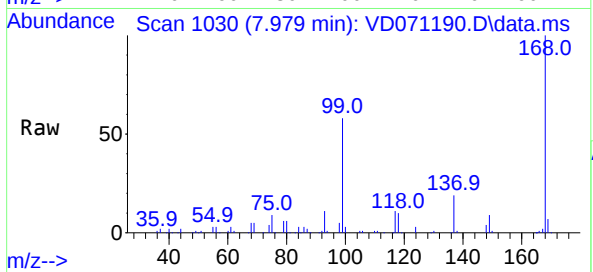




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

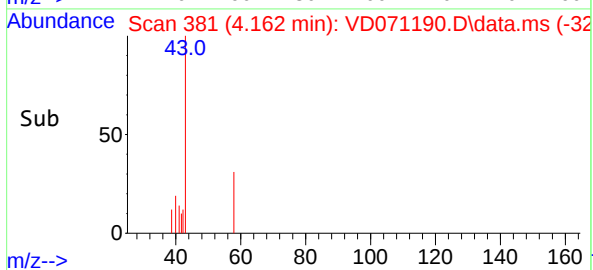
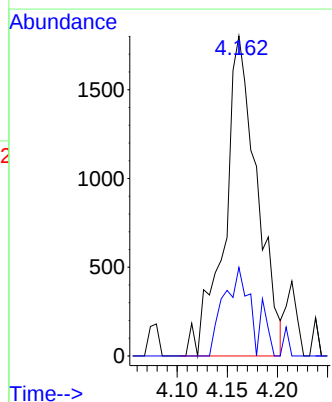
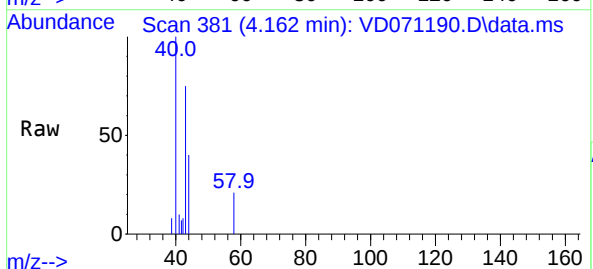
Instrument :
MSVOA_D
ClientSampleId :

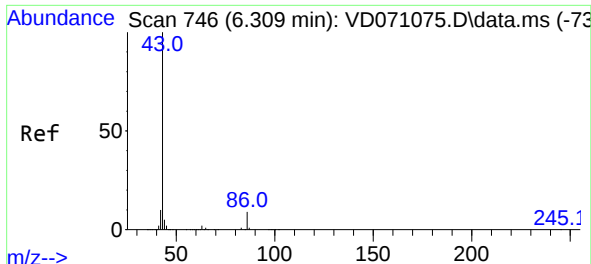
Tgt Ion:168 Resp: 282222
Ion Ratio Lower Upper
168 100
99 58.1 46.6 69.8



#16
Acetone
Concen: 34.84 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Tgt Ion: 43 Resp: 4058
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#





#23

Vinyl Acetate

Concen: 27.24 ug/l

RT: 6.320 min Scan# 746

Delta R.T. 0.011 min

Lab File: VD071190.D

Acq: 07 Dec 2021 18:23

Instrument :

MSVOA_D

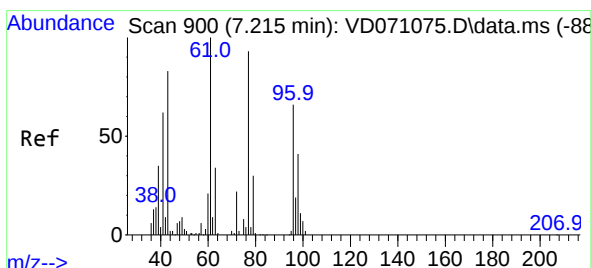
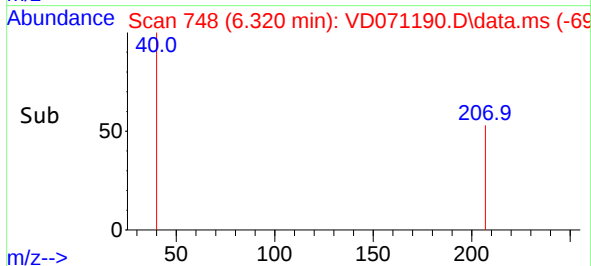
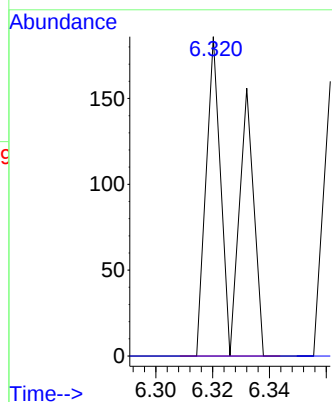
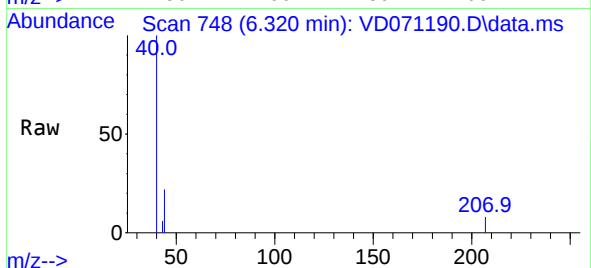
ClientSampleId :

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#



#25

2-Butanone

Concen: 28.41 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.007 min

Lab File: VD071190.D

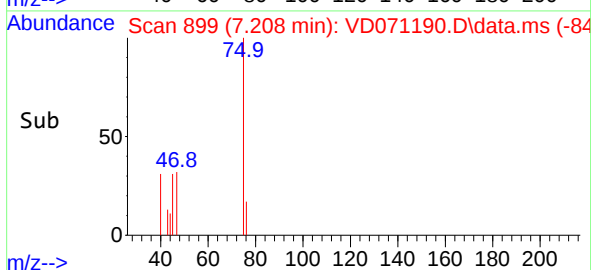
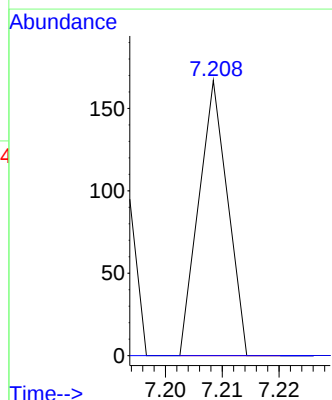
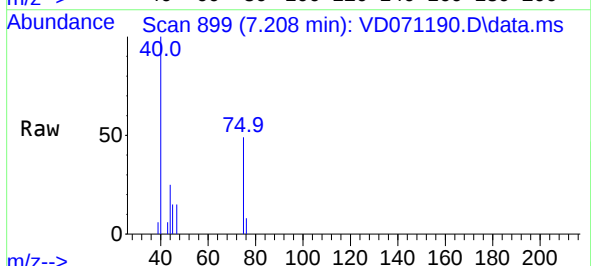
Acq: 07 Dec 2021 18:23

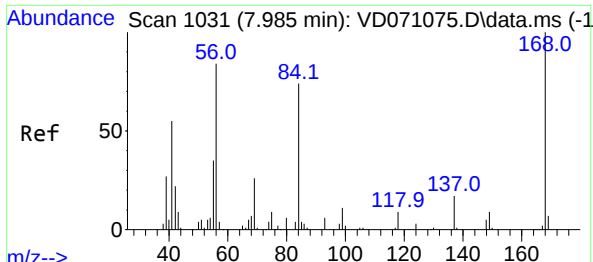
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

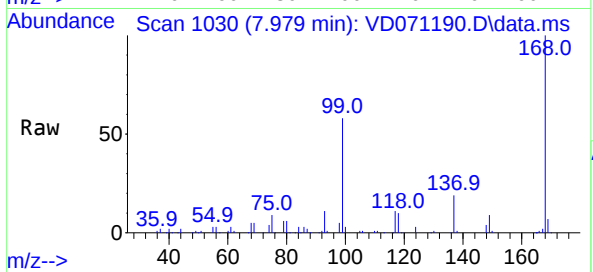
72 0.0 23.8 35.6#



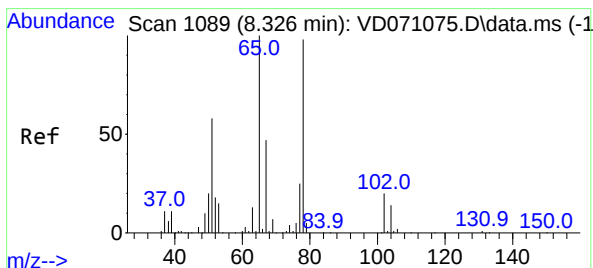
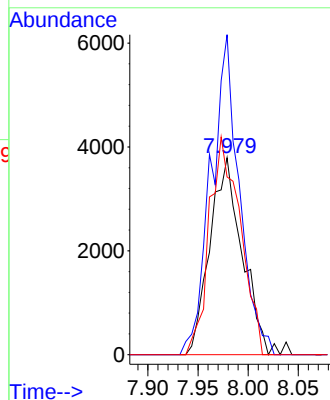
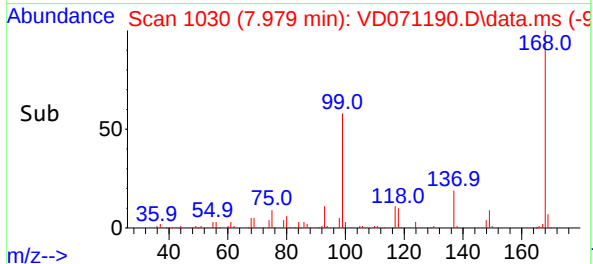


#31
Cyclohexane
Concen: 1.51 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :

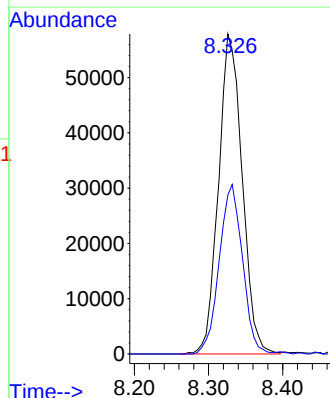
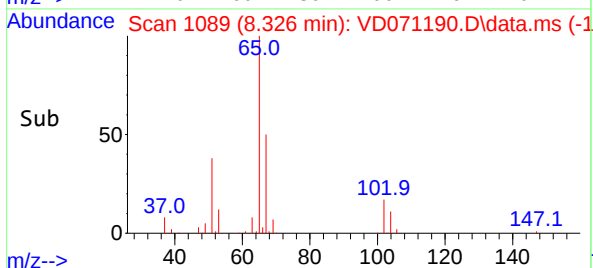
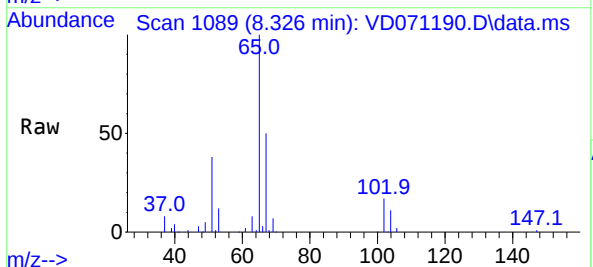


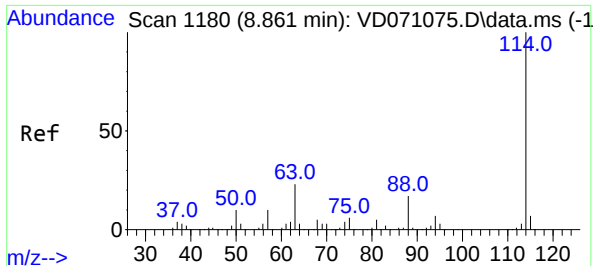
Tgt Ion: 56 Resp: 8503
Ion Ratio Lower Upper
56 100
69 162.5 25.9 38.9#
84 98.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 38.84 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Tgt Ion: 65 Resp: 128609
Ion Ratio Lower Upper
65 100
67 51.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071190.D

Acq: 07 Dec 2021 18:23

Instrument :

MSVOA_D

ClientSampleId :

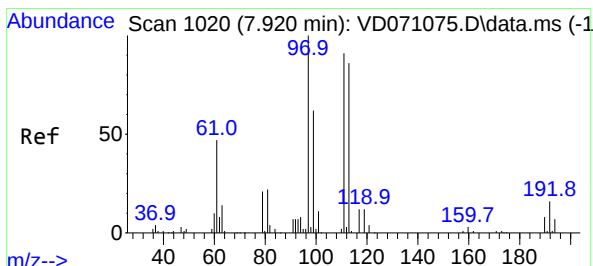
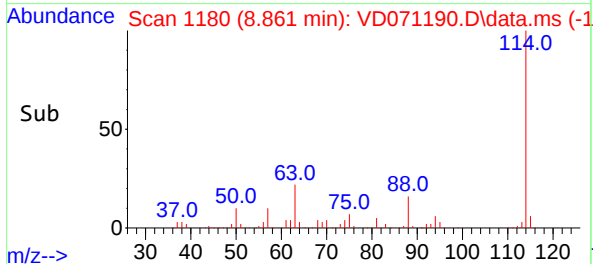
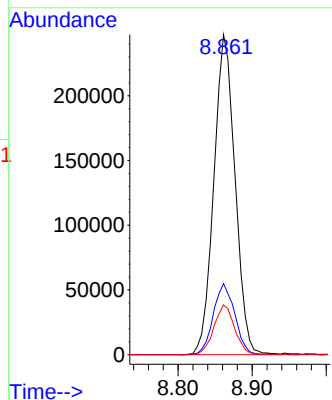
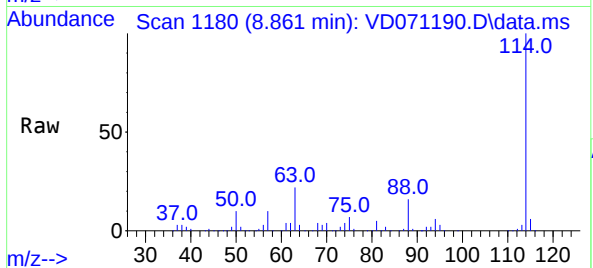
Tgt Ion:114 Resp: 491113

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.44 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071190.D

Acq: 07 Dec 2021 18:23

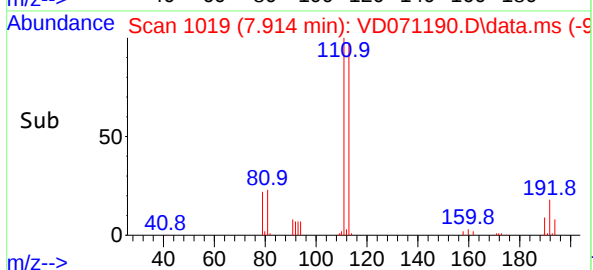
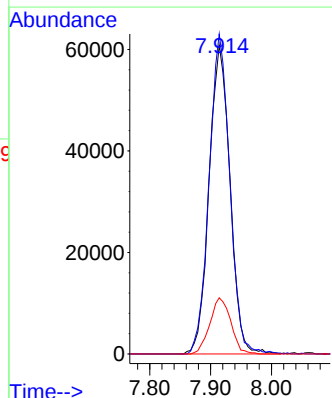
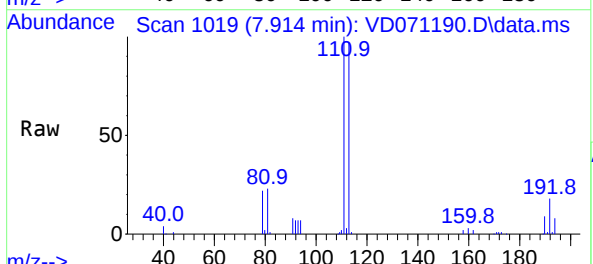
Tgt Ion:113 Resp: 145231

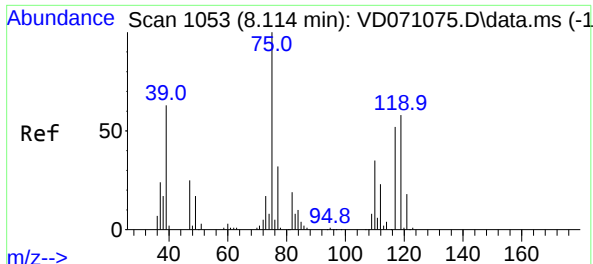
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.59 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071190.D

Acq: 07 Dec 2021 18:23

Instrument :

MSVOA_D

ClientSampleId :

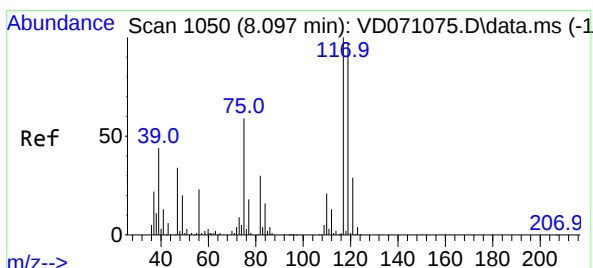
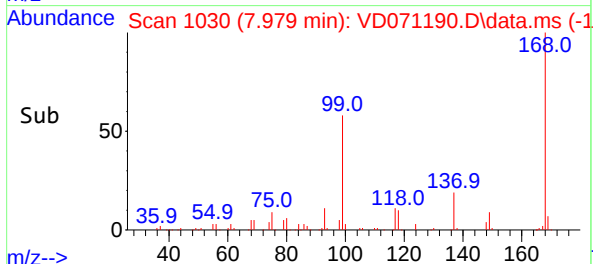
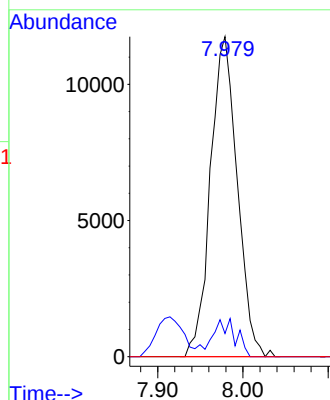
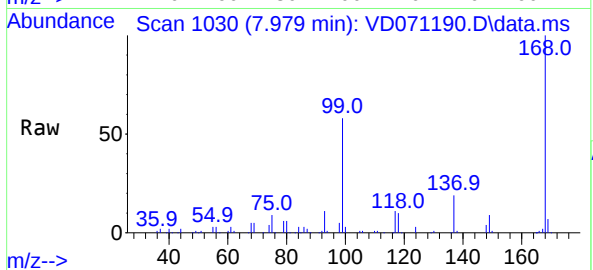
Tgt Ion: 75 Resp: 25679

Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.67 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071190.D

Acq: 07 Dec 2021 18:23

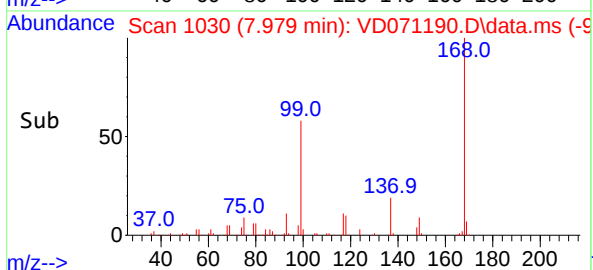
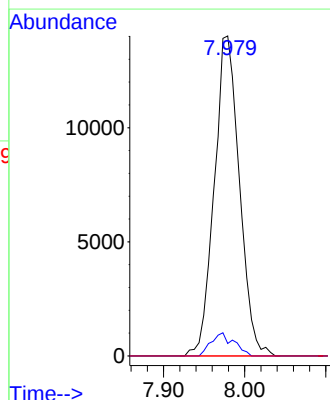
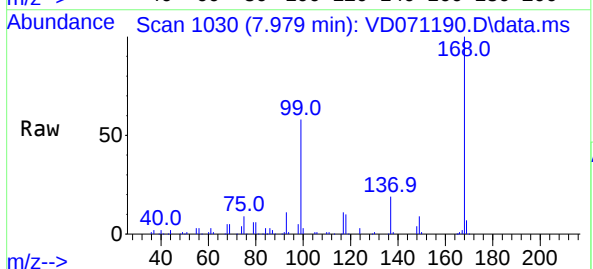
Tgt Ion: 117 Resp: 30188

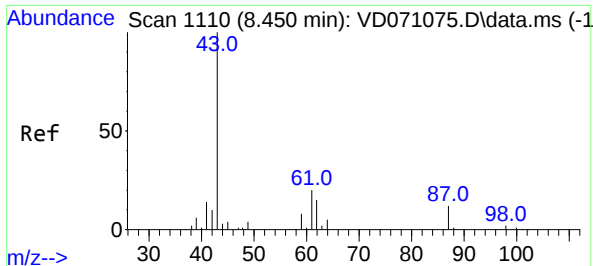
Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.26 ug/l

RT: 8.420 min Scan# 1110

Delta R.T. -0.030 min

Lab File: VD071190.D

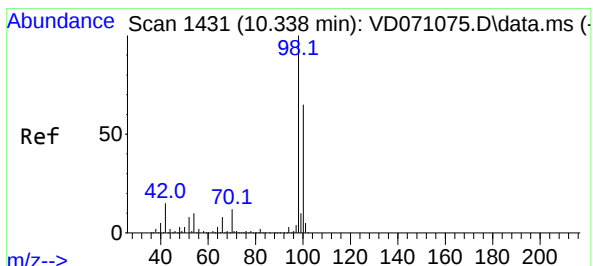
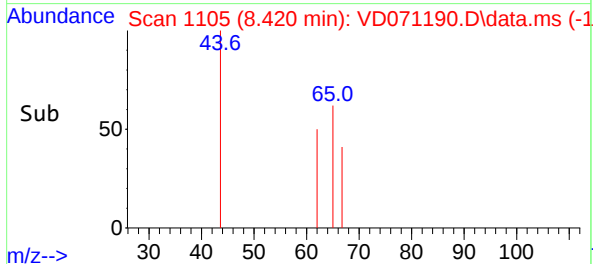
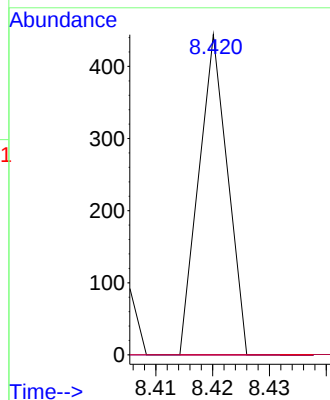
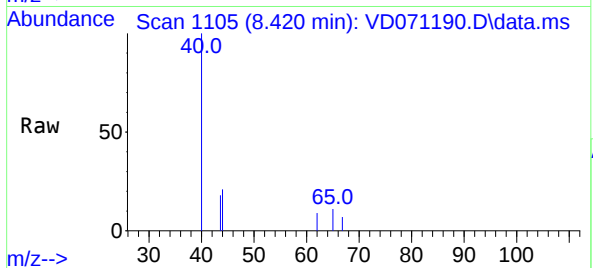
Acq: 07 Dec 2021 18:23

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 157
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 52.37 ug/l

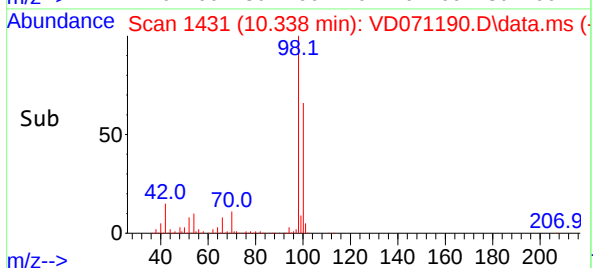
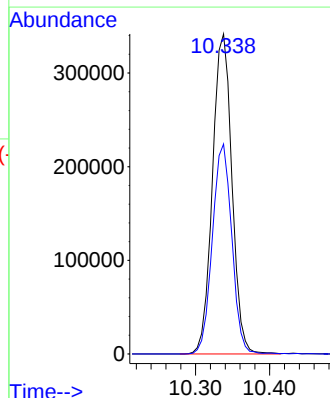
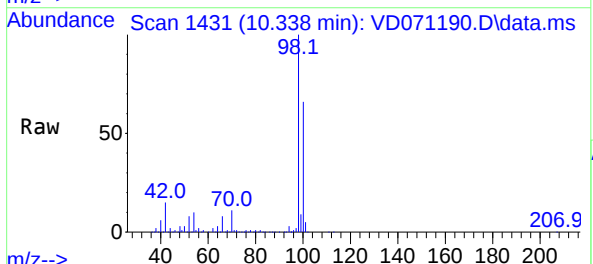
RT: 10.338 min Scan# 1431

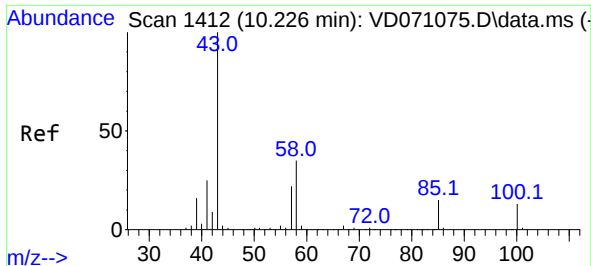
Delta R.T. -0.000 min

Lab File: VD071190.D

Acq: 07 Dec 2021 18:23

Tgt Ion: 98	Resp: 623306
Ion Ratio	Lower Upper
98	100
100	65.3 51.8 77.6

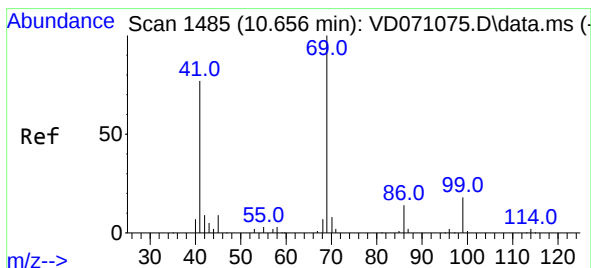
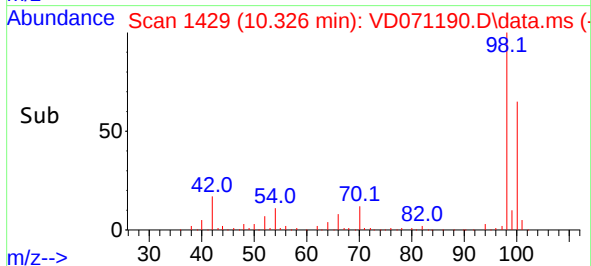
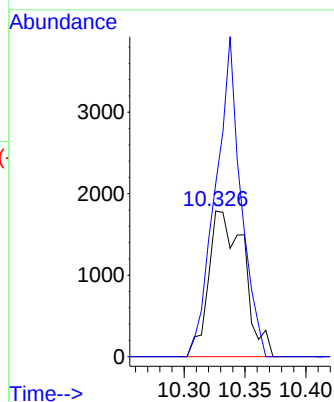
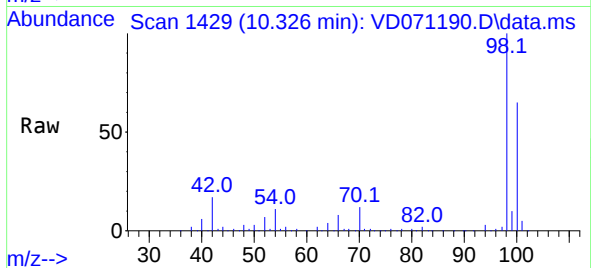




#51
4-Methyl-2-Pentanone
Concen: 32.08 ug/l
RT: 10.326 min Scan# 1412
Delta R.T. 0.100 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

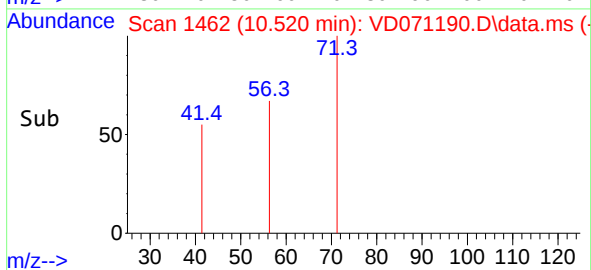
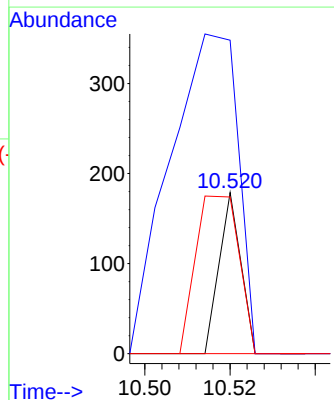
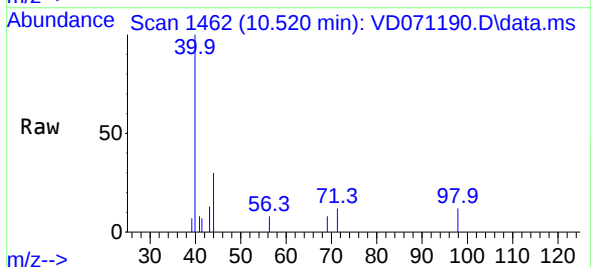
Instrument :
MSVOA_D
ClientSampleId :

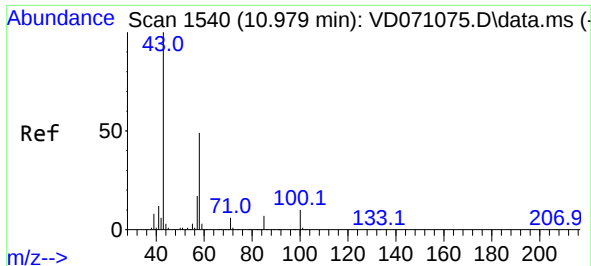
Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
58 157.4 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.99 ug/l
RT: 10.520 min Scan# 1462
Delta R.T. -0.136 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

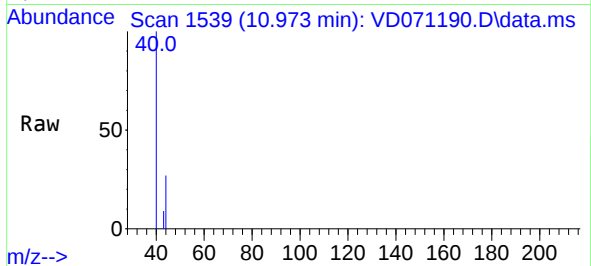
Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 625.4 50.2 75.2#
39 195.2 19.8 29.8#



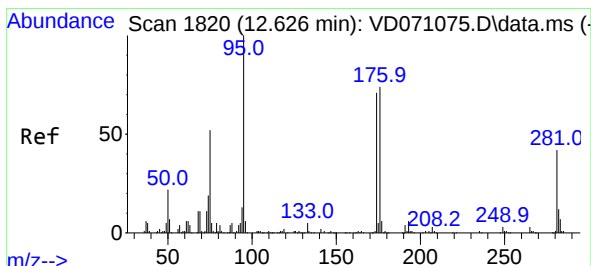
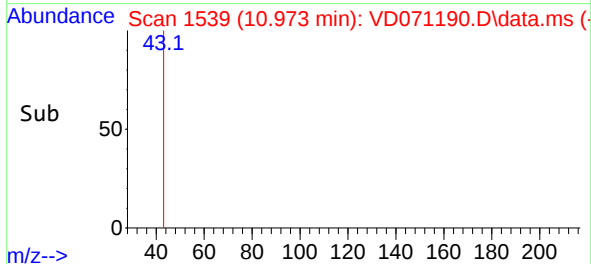
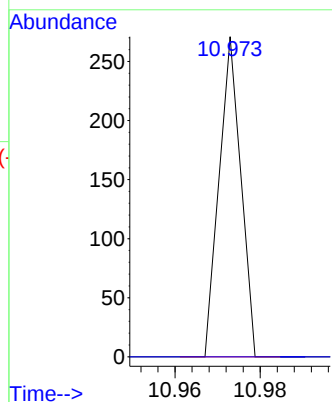


#59
2-Hexanone
Concen: 34.62 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :

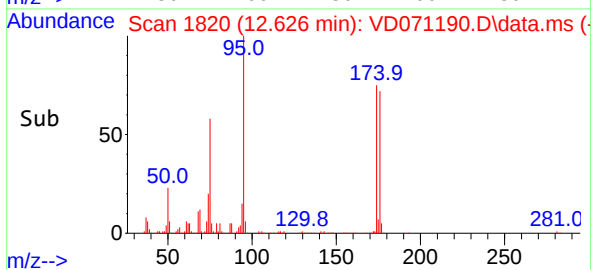
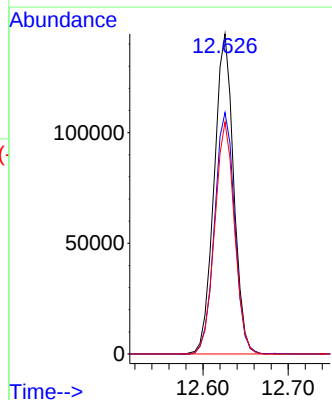
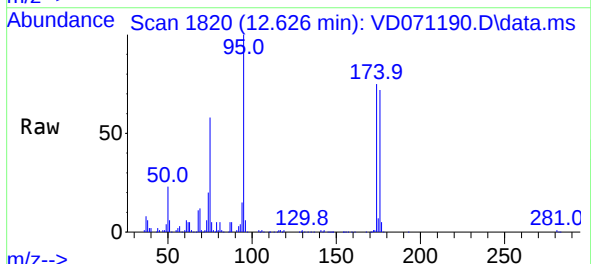


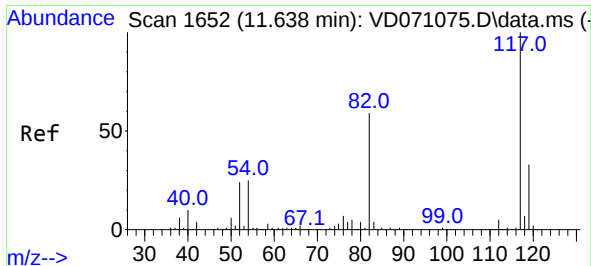
Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 55.86 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

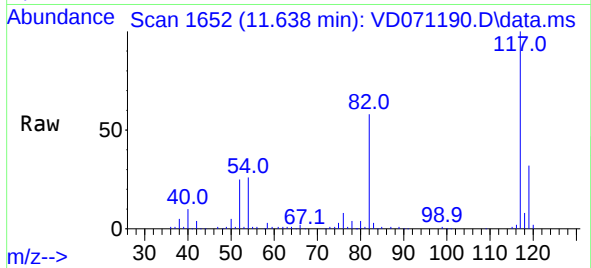
Tgt Ion: 95 Resp: 230457
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.4
176 73.5 0.0 154.0



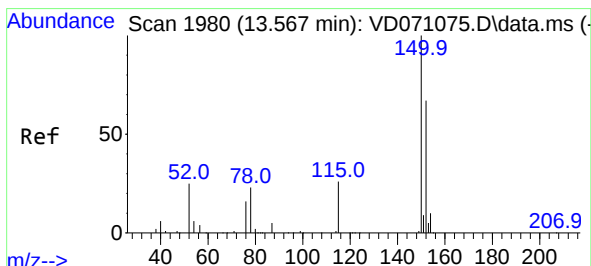
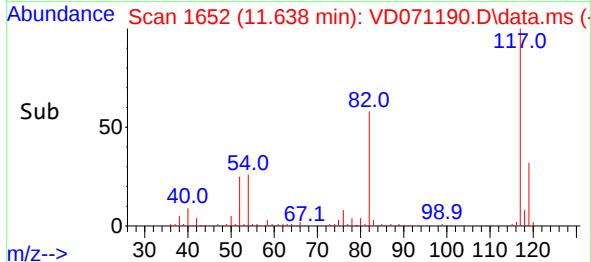
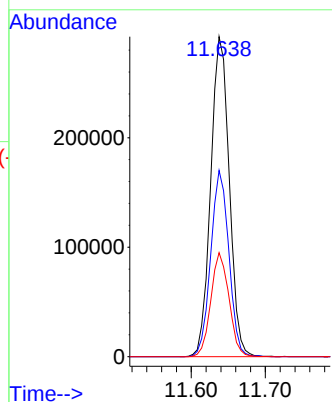


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :

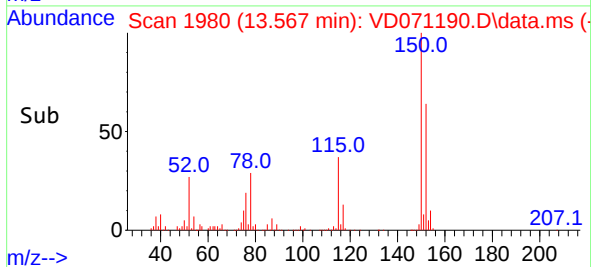
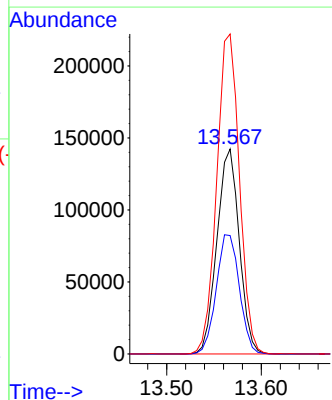
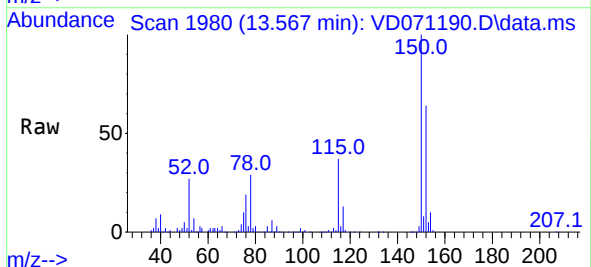


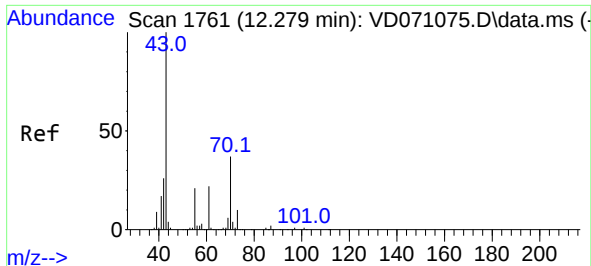
Tgt Ion:117 Resp: 507183
Ion Ratio Lower Upper
117 100
82 58.2 44.7 67.1
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

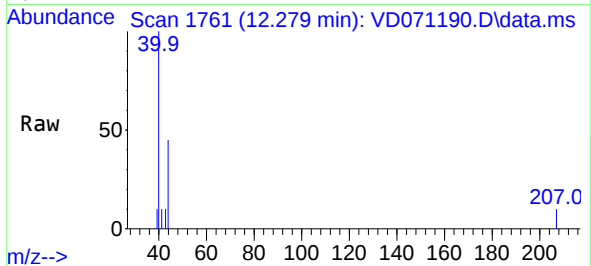
Tgt Ion:152 Resp: 233115
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 158.7 0.0 349.2





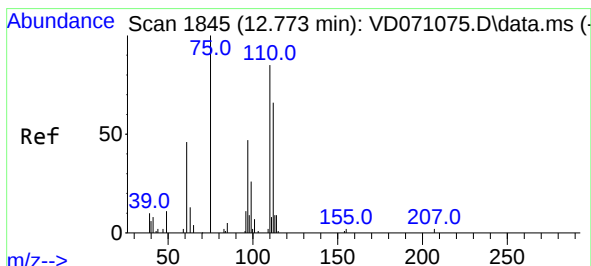
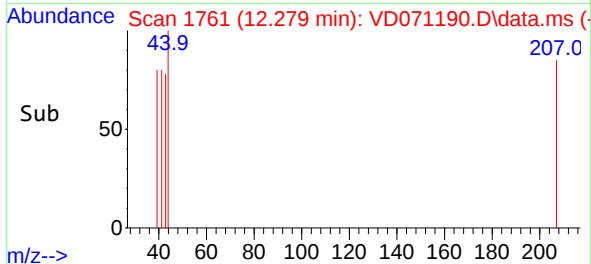
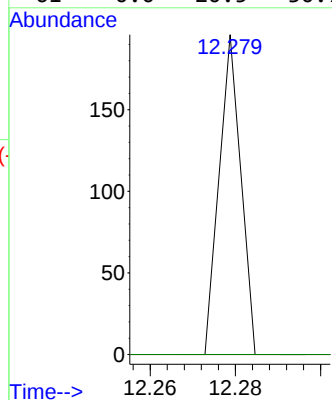
#74
N-amy1 acetate
Concen: 5.71 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 69

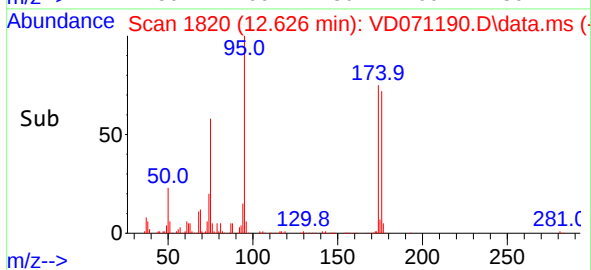
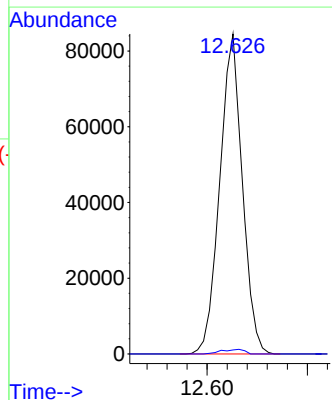
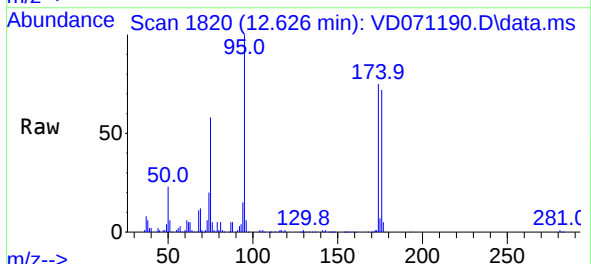
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#

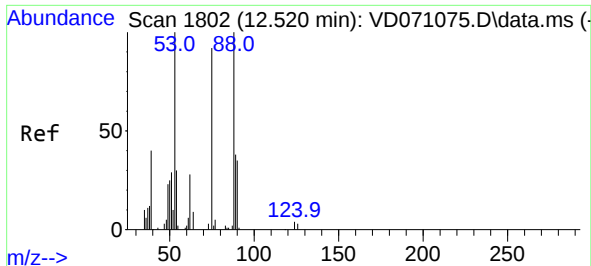


#76
1,2,3-Trichloropropane
Concen: 59.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Tgt Ion: 75 Resp: 131830

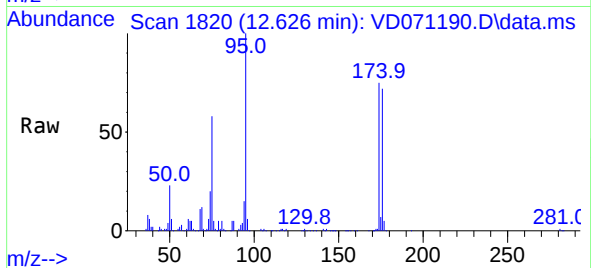
Ion	Ratio	Lower	Upper
75	100		
77	1.5	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.57 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071190.D
Acq: 07 Dec 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 131830
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

