

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121721\
 Data File : VD071384.D
 Acq On : 17 Dec 2021 16:41
 Operator : VA/SY
 Sample : M5147-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 01:53:42 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)

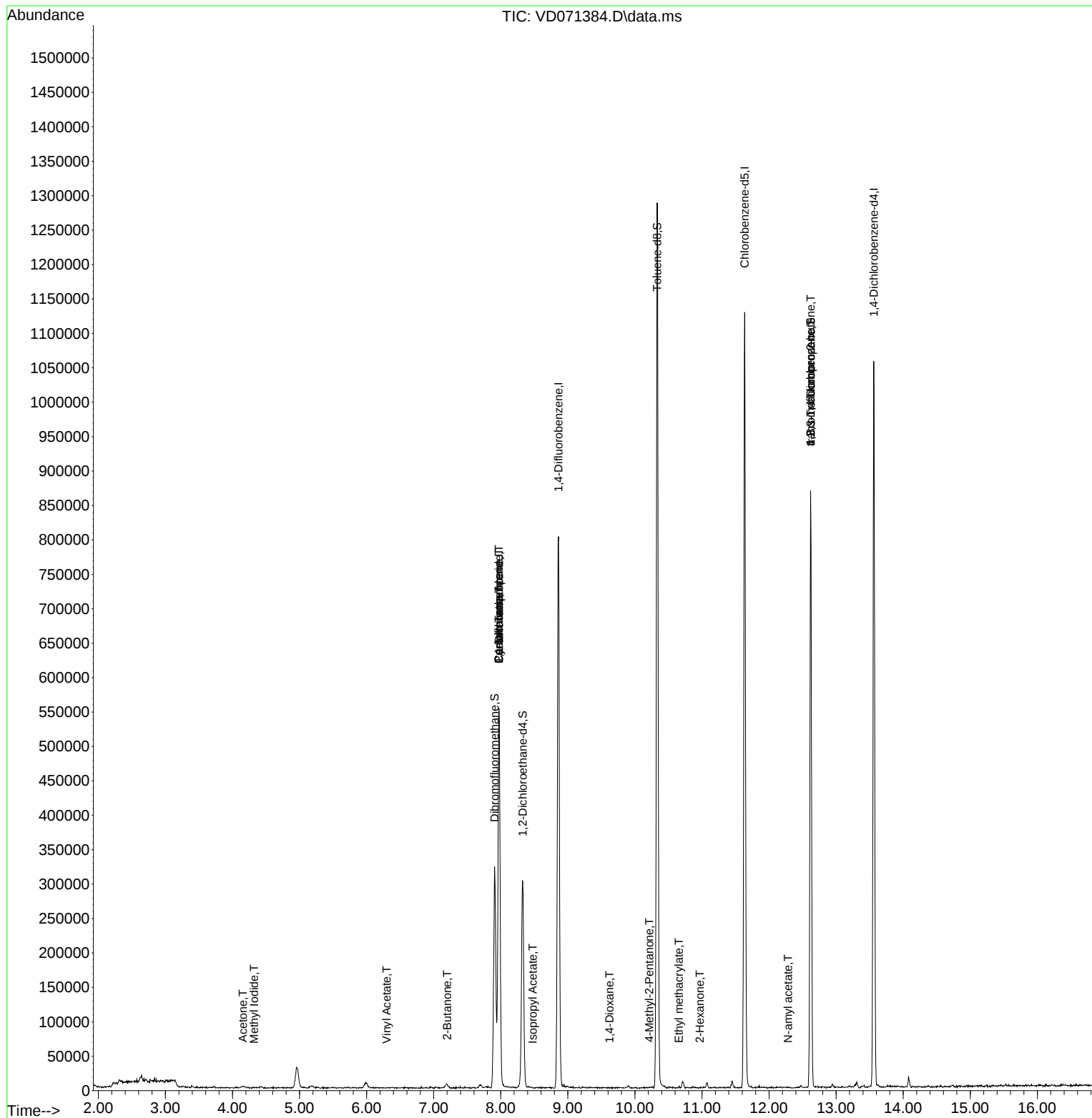
Internal Standards						
1) Pentafluorobenzene	7.973	168	380404	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	651985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	582244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242351	54.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.580%	
35) Dibromofluoromethane	7.908	113	216819	52.223	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.440%	
50) Toluene-d8	10.332	98	828158	52.416	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.840%	
62) 4-Bromofluorobenzene	12.620	95	254476	46.465	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.920%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	55	4.572	ug/l #	5
11) Tert butyl alcohol	5.185	59	1429	Below Cal	#	71
16) Acetone	4.156	43	4292	33.971	ug/l #	40
23) Vinyl Acetate	6.297	43	161	27.238	ug/l #	72
25) 2-Butanone	7.202	43	150	28.456	ug/l #	45
31) Cyclohexane	7.973	56	11552	1.521	ug/l #	39
36) 1,1-Dichloropropene	7.973	75	35083	5.757	ug/l #	49
38) Carbon Tetrachloride	7.973	117	41411	6.894	ug/l #	17
41) Methacrylonitrile	7.561	41	317	Below Cal	#	12
43) Isopropyl Acetate	8.479	43	57	5.232	ug/l #	47
49) 1,4-Dioxane	9.620	88	67	3.073	ug/l #	1
51) 4-Methyl-2-Pentanone	10.214	43	341	30.753	ug/l #	34
56) Ethyl methacrylate	10.655	69	68	5.984	ug/l #	43
59) 2-Hexanone	10.967	43	69	34.601	ug/l #	22
74) N-amyl acetate	12.285	43	60	5.712	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	143578	60.682	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	143578	131.316	ug/l #	18

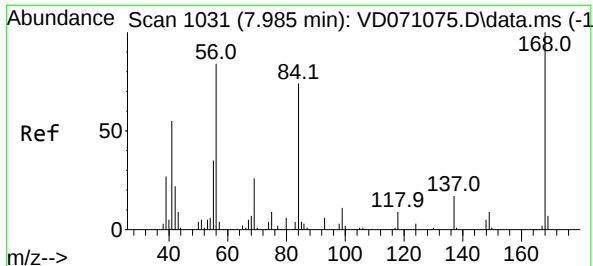
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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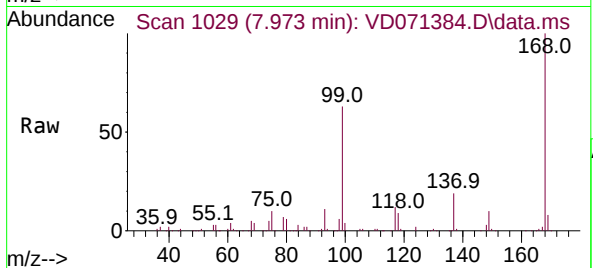
Quant Time: Dec 19 01:53:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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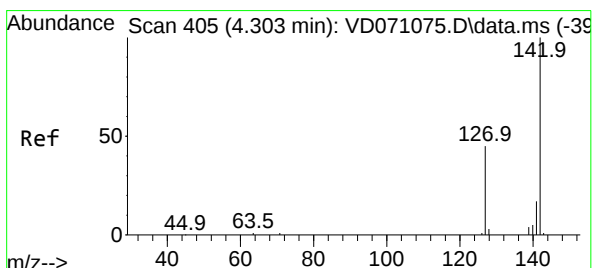
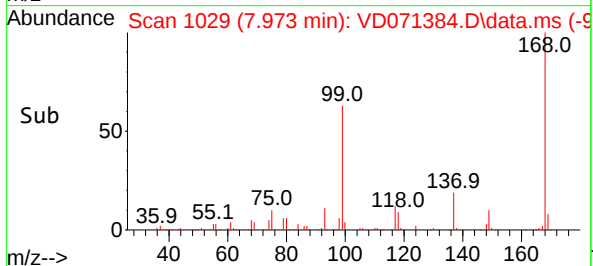
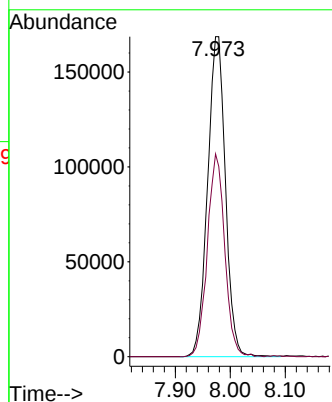


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :

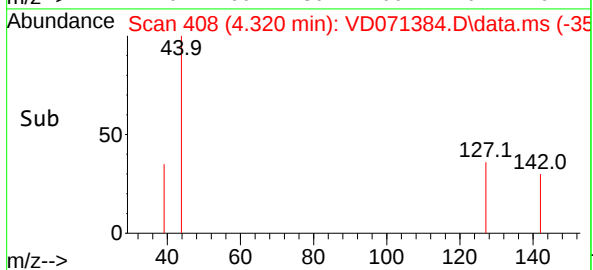
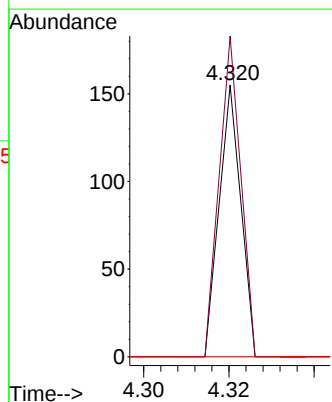
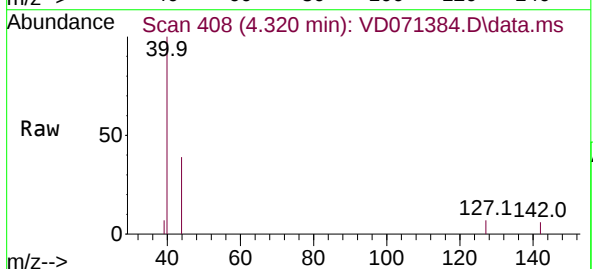


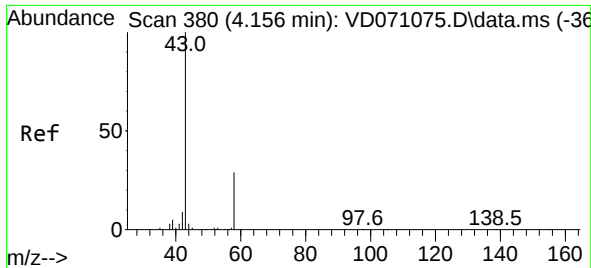
Tgt Ion:168 Resp: 380404
Ion Ratio Lower Upper
168 100
99 63.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.572 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 118.2 35.0 52.4#
141 0.0 12.0 18.0#

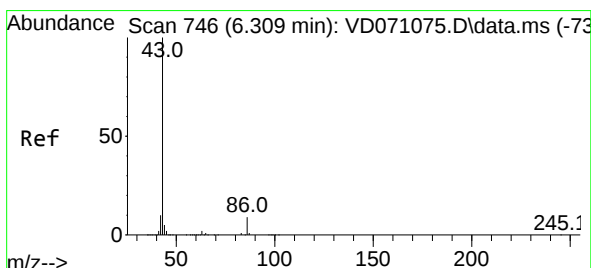
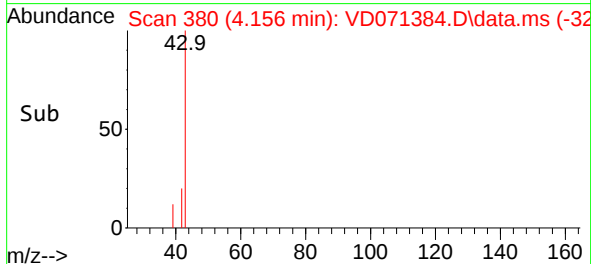
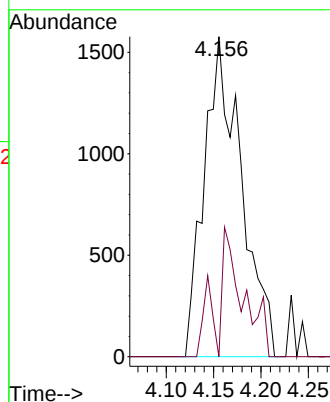
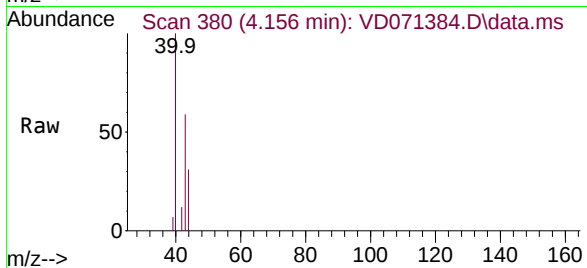




#16
Acetone
Concen: 33.971 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

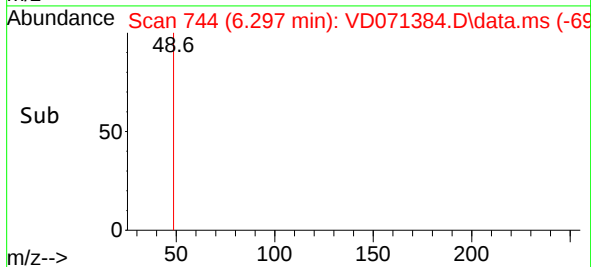
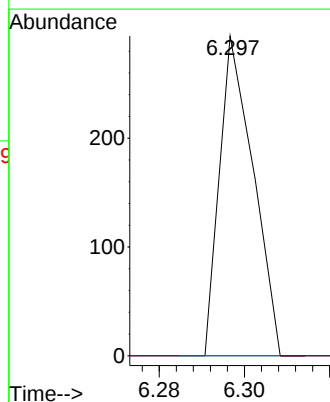
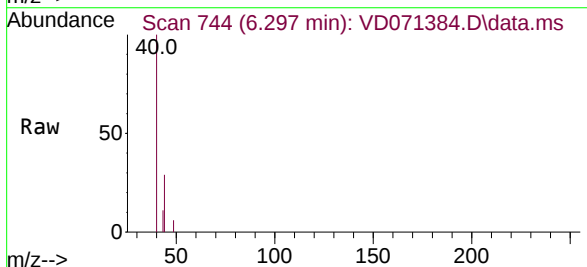
Instrument :
MSVOA_D
ClientSampleId :

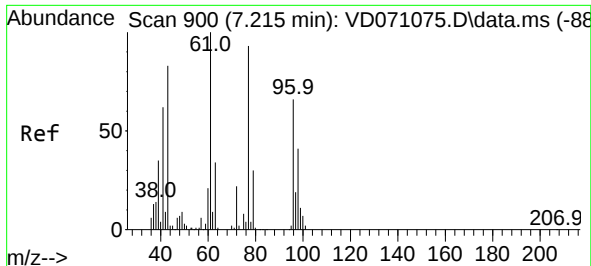
Tgt Ion: 43 Resp: 4292
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.238 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

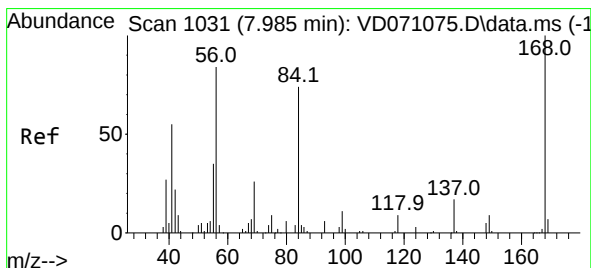
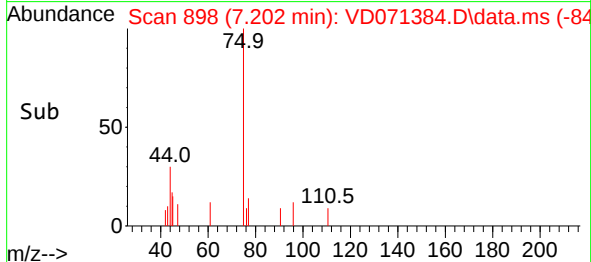
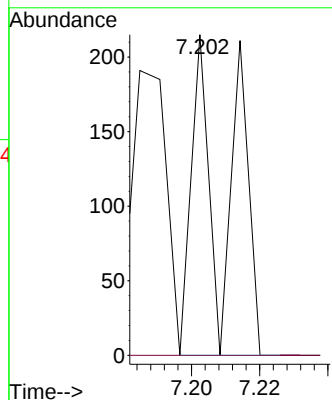
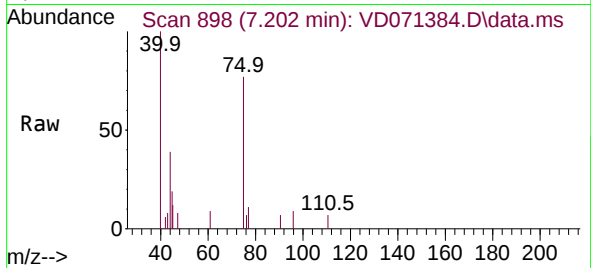




#25
2-Butanone
Concen: 28.456 ug/l
RT: 7.202 min Scan# 89
Delta R.T. -0.013 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

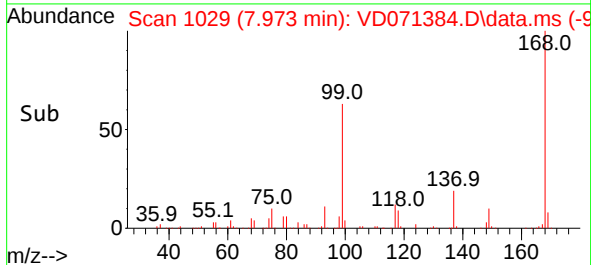
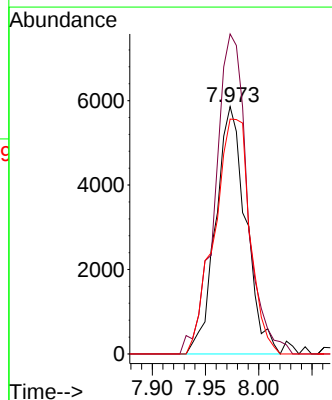
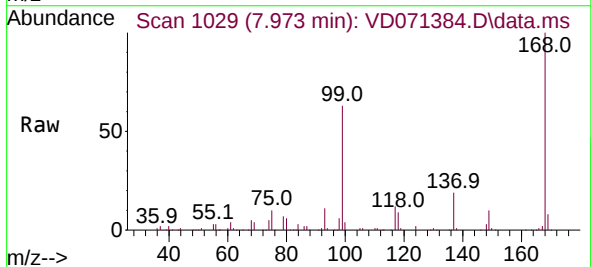
Instrument :
MSVOA_D
ClientSampleId :

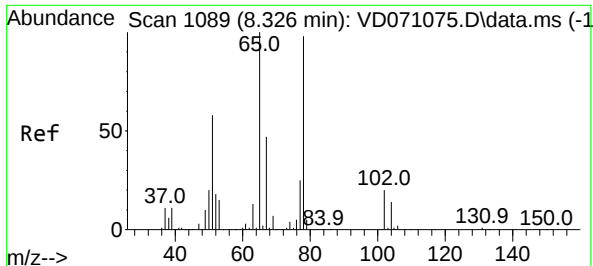
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.521 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Tgt Ion: 56 Resp: 11552
Ion Ratio Lower Upper
56 100
69 129.4 25.9 38.9#
84 94.9 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 54.295 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071384.D

Acq: 17 Dec 2021 16:41

Instrument :

MSVOA_D

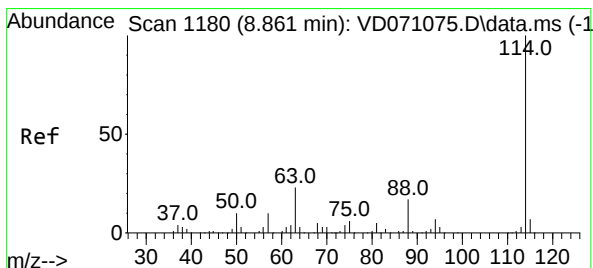
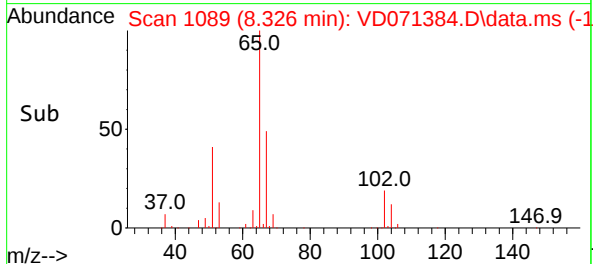
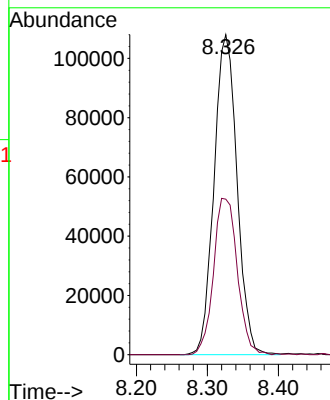
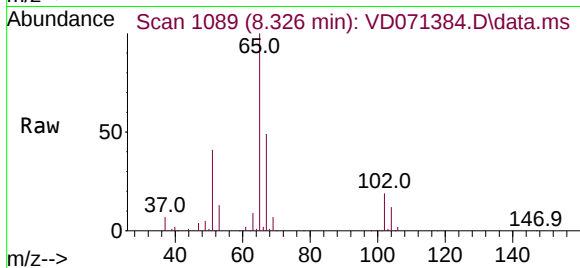
ClientSampleId :

Tgt Ion: 65 Resp: 242351

Ion Ratio Lower Upper

65 100

67 50.6 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: VD071384.D

Acq: 17 Dec 2021 16:41

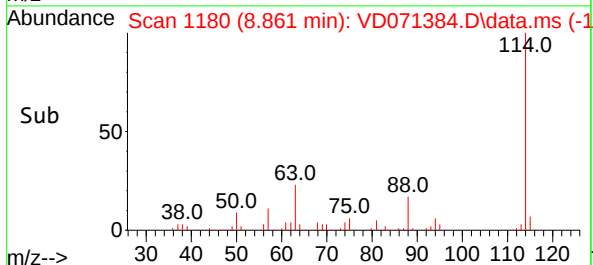
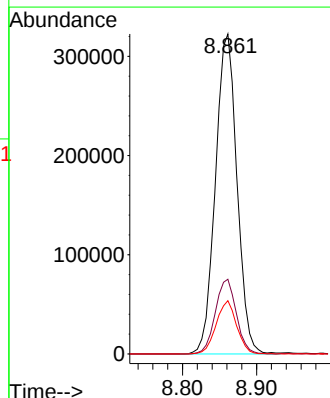
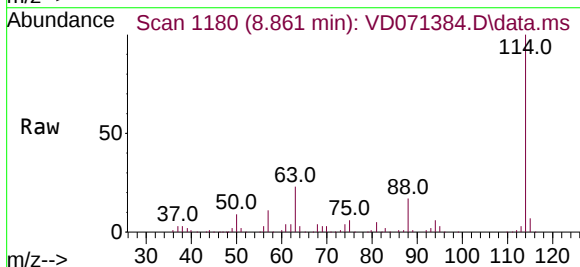
Tgt Ion: 114 Resp: 651985

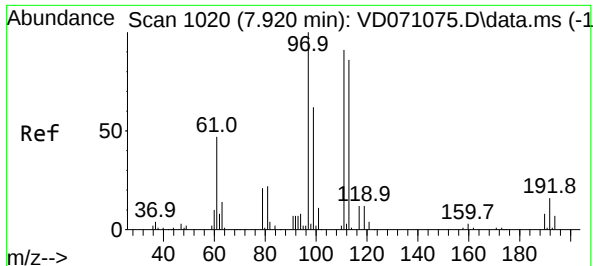
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.223 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

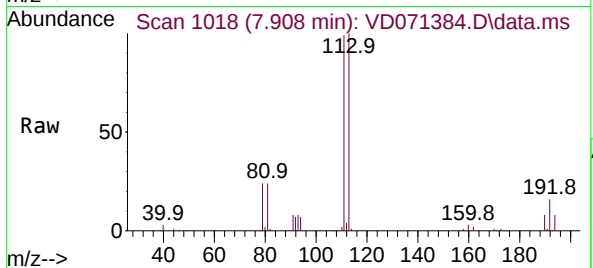
Lab File: VD071384.D

Acq: 17 Dec 2021 16:41

Instrument :

MSVOA_D

ClientSampleId :



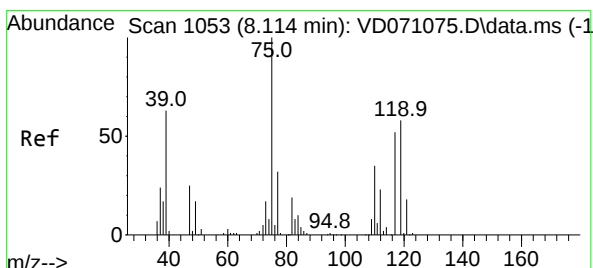
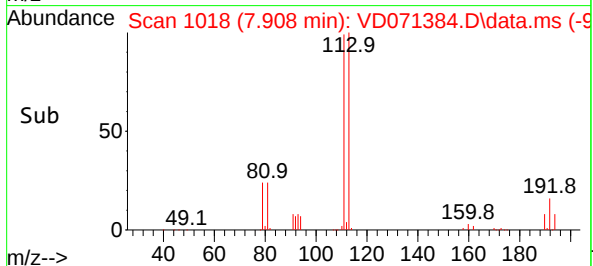
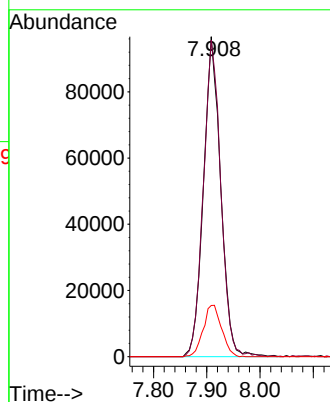
Tgt Ion:113 Resp: 216819

Ion Ratio Lower Upper

113 100

111 100.2 82.0 123.0

192 17.2 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.757 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071384.D

Acq: 17 Dec 2021 16:41

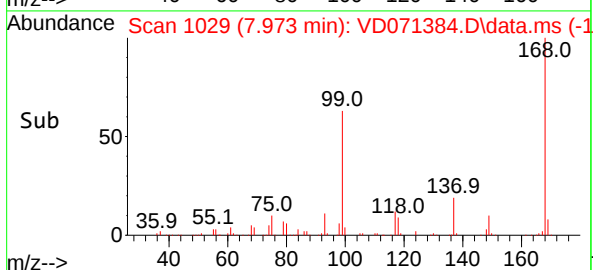
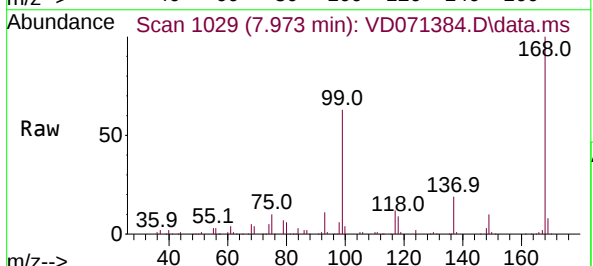
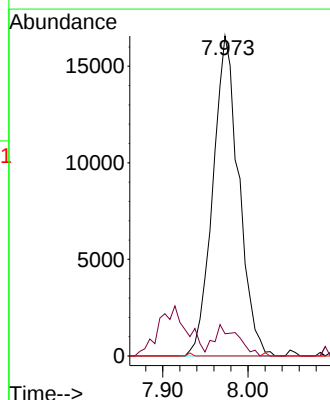
Tgt Ion: 75 Resp: 35083

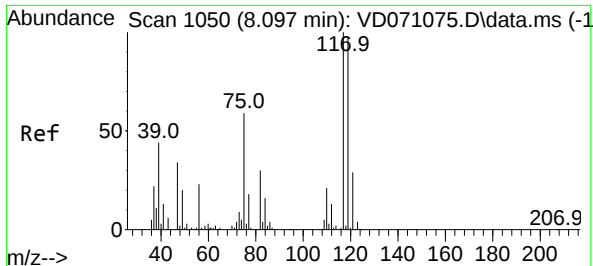
Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.4#

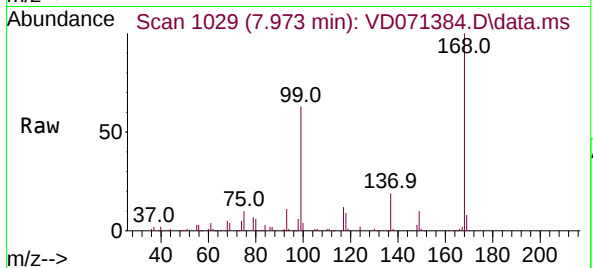
77 0.0 24.8 37.2#



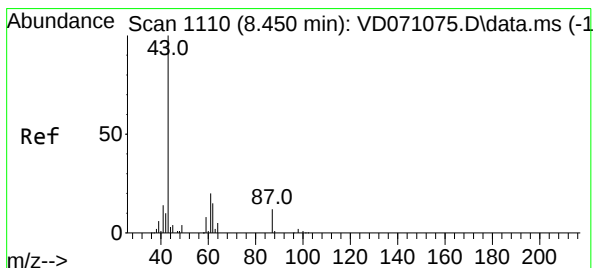
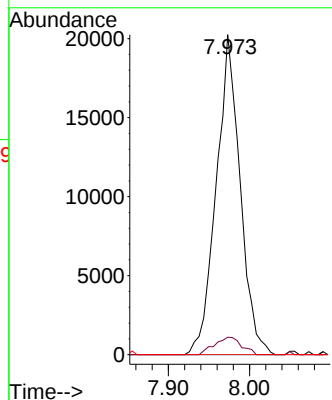
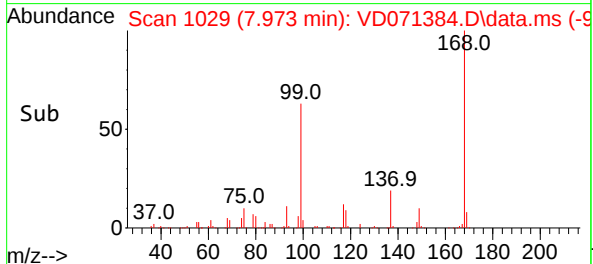


#38
Carbon Tetrachloride
Concen: 6.894 ug/l
RT: 7.973 min Scan# 1105
Delta R.T. -0.124 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :

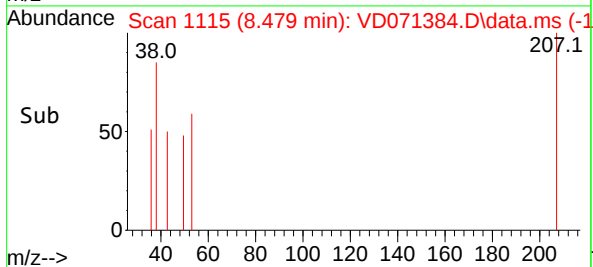
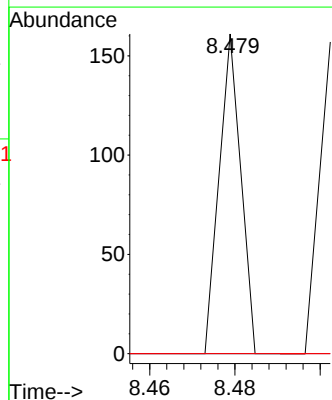
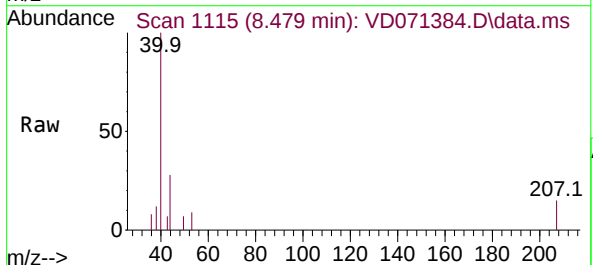


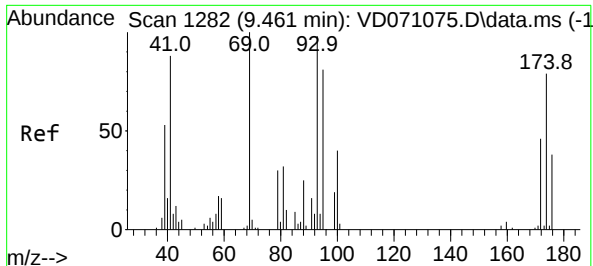
Tgt Ion:117 Resp: 41411
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.232 ug/l
RT: 8.479 min Scan# 1115
Delta R.T. 0.029 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#49

1,4-Dioxane

Concen: 3.073 ug/l

RT: 9.620 min Scan# 11

Delta R.T. 0.159 min

Lab File: VD071384.D

Acq: 17 Dec 2021 16:41

Instrument :

MSVOA_D

ClientSampleId :

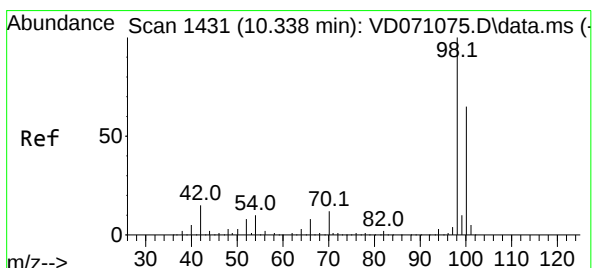
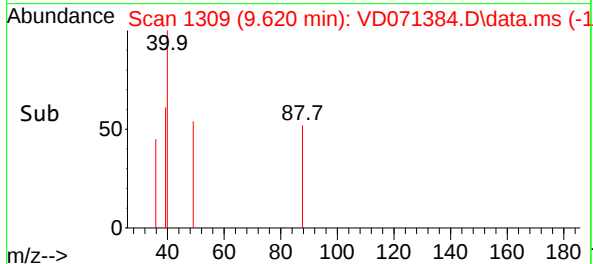
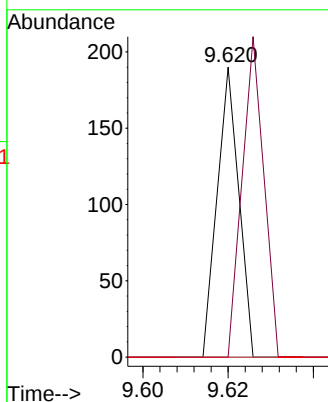
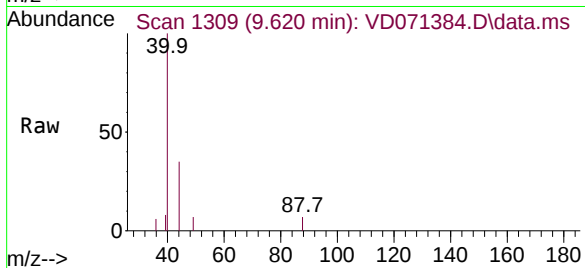
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 110.4 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 52.416 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071384.D

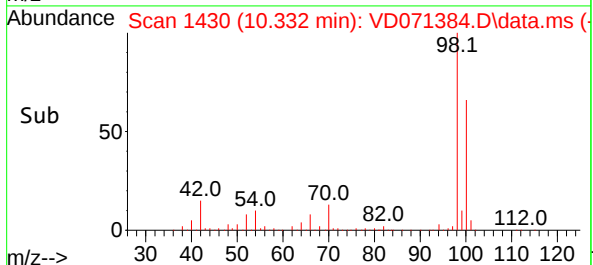
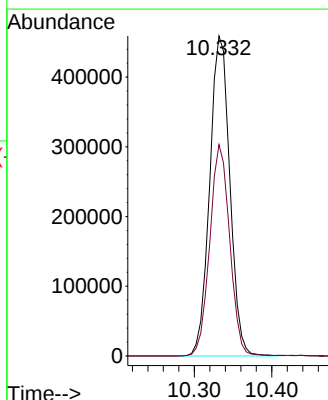
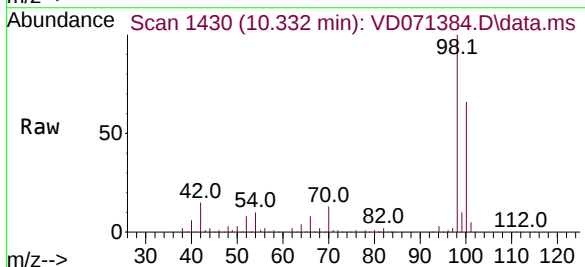
Acq: 17 Dec 2021 16:41

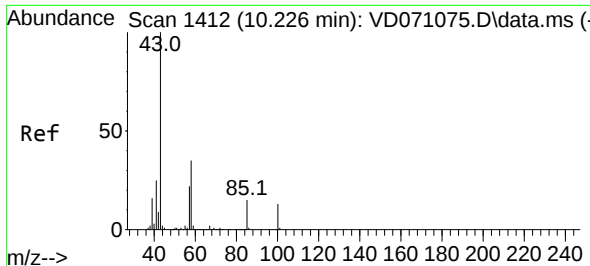
Tgt Ion: 98 Resp: 828158

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 30.753 ug/l

RT: 10.214 min Scan# 1410

Delta R.T. -0.012 min

Lab File: VD071384.D

Acq: 17 Dec 2021 16:41

Instrument :

MSVOA_D

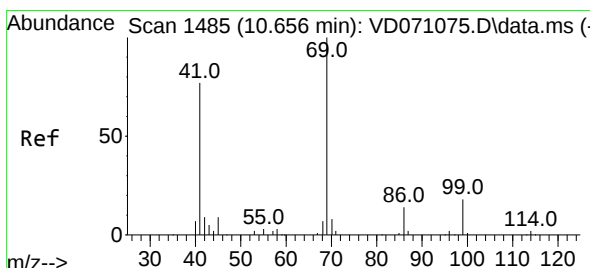
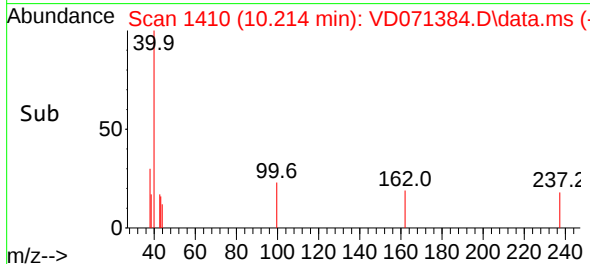
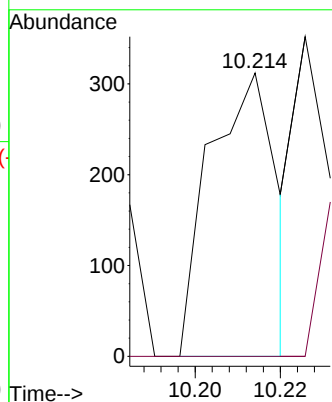
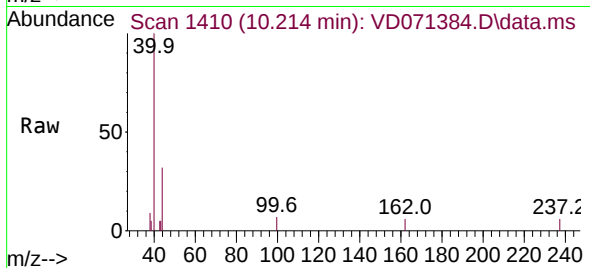
ClientSampleId :

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 5.984 ug/l

RT: 10.655 min Scan# 1485

Delta R.T. -0.001 min

Lab File: VD071384.D

Acq: 17 Dec 2021 16:41

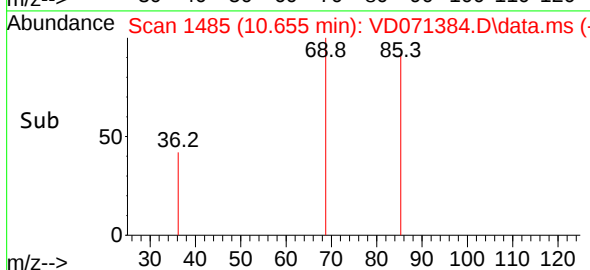
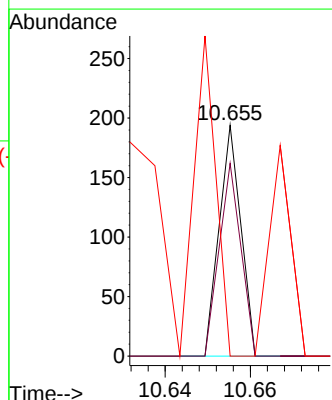
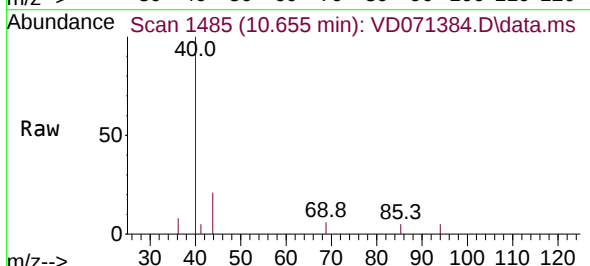
Tgt Ion: 69 Resp: 68

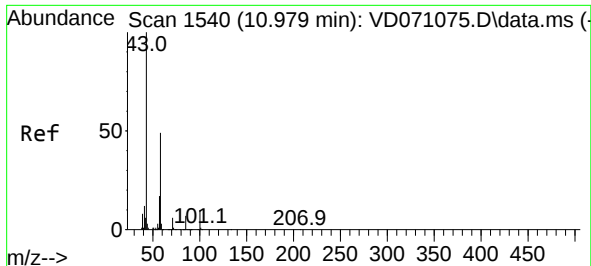
Ion Ratio Lower Upper

69 100

41 83.8 50.2 75.2#

39 91.2 19.8 29.8#

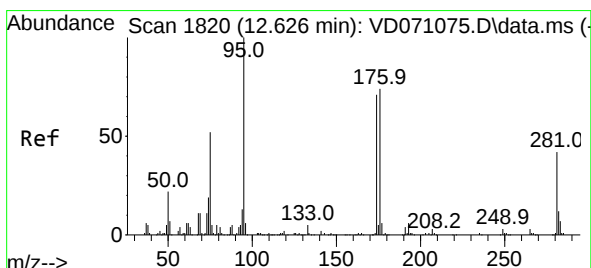
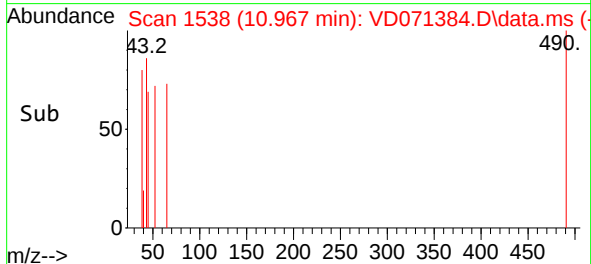
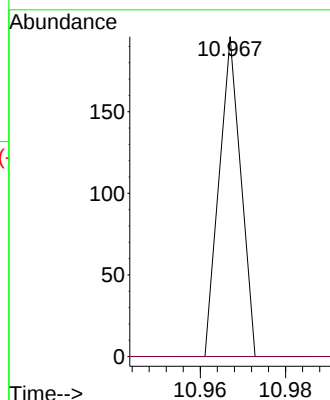
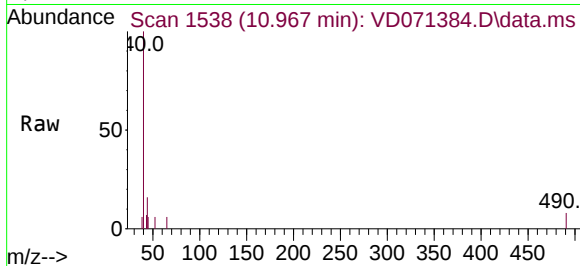




#59
2-Hexanone
Concen: 34.601 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

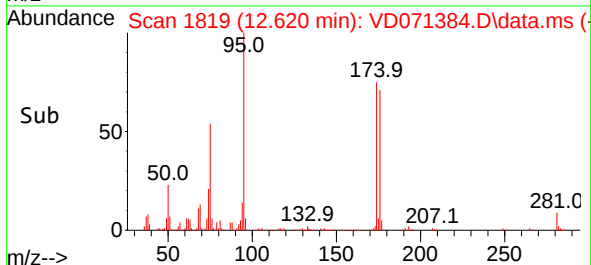
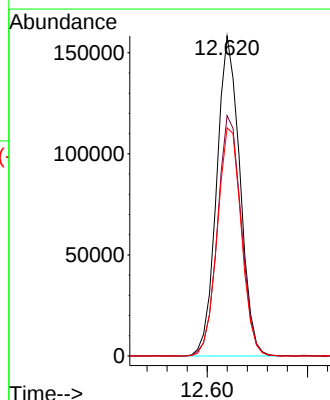
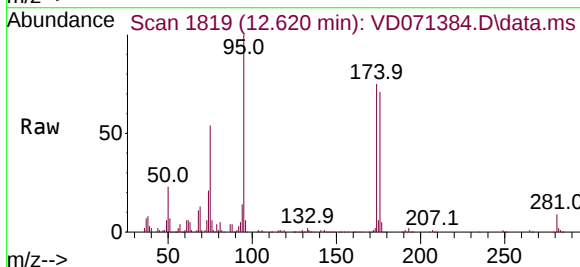
Instrument :
MSVOA_D
ClientSampleId :

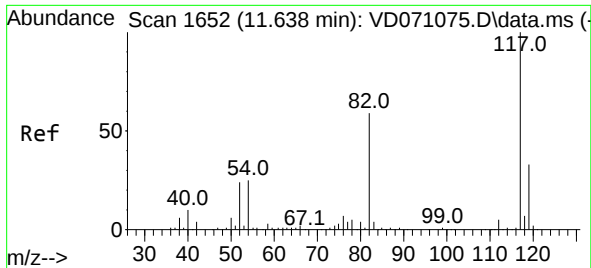
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 46.465 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Tgt Ion: 95 Resp: 254476
Ion Ratio Lower Upper
95 100
174 76.5 0.0 159.4
176 73.7 0.0 154.0

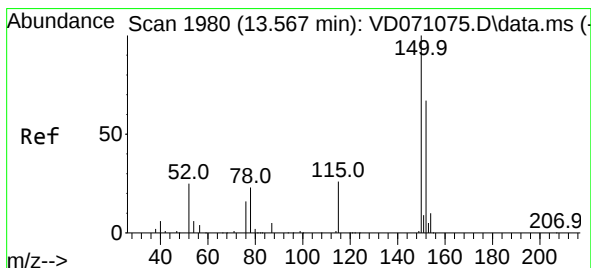
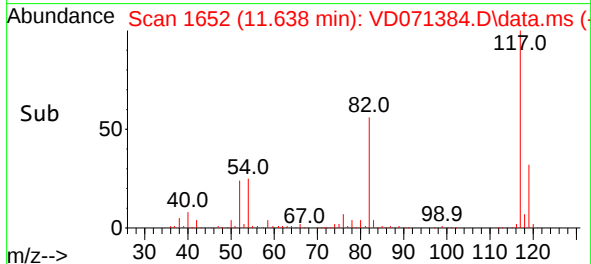
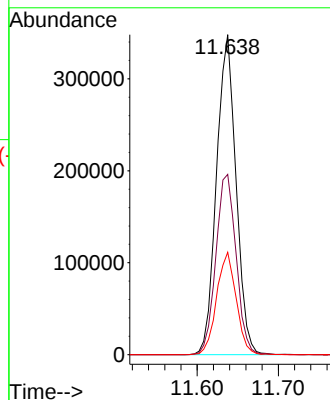
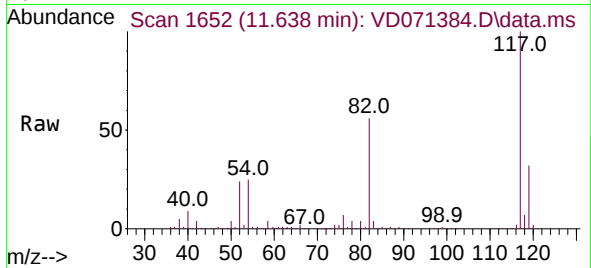




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

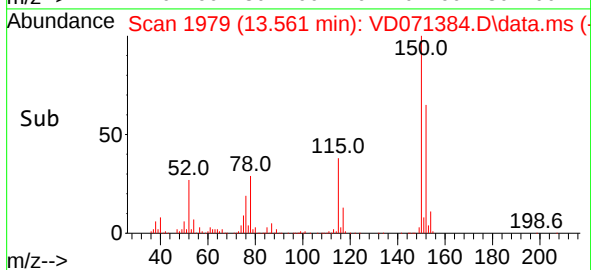
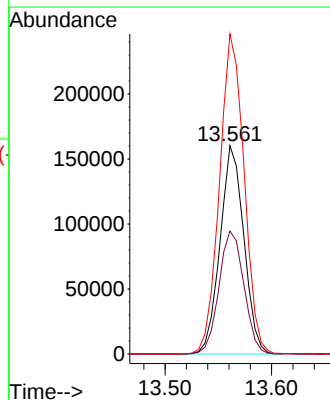
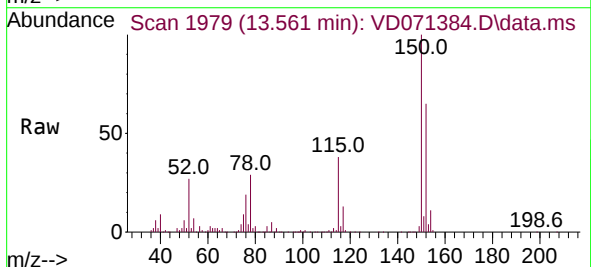
Instrument :
MSVOA_D
ClientSampleId :

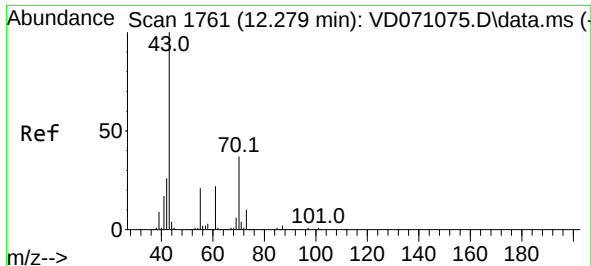
Tgt Ion:117 Resp: 582244
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

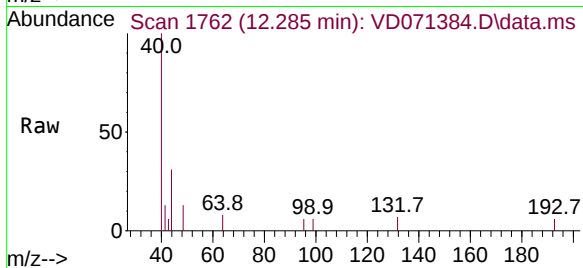
Tgt Ion:152 Resp: 248338
Ion Ratio Lower Upper
152 100
115 61.6 29.8 89.3
150 158.6 0.0 349.2



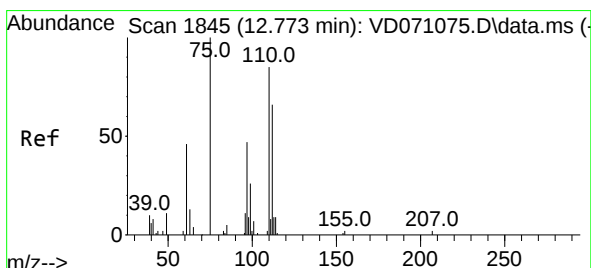
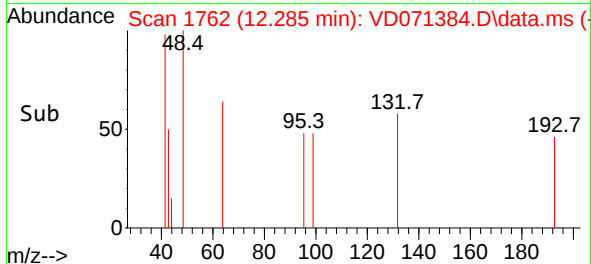
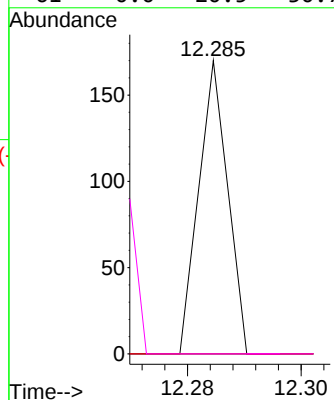


#74
N-amy1 acetate
Concen: 5.712 ug/l
RT: 12.285 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

Instrument :
MSVOA_D
ClientSampleId :

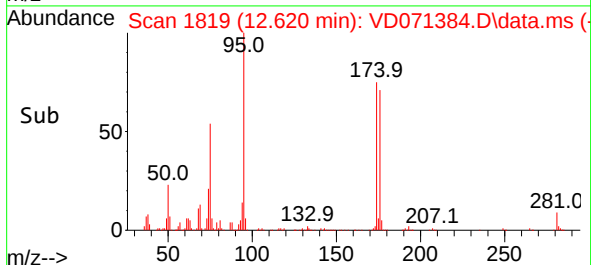
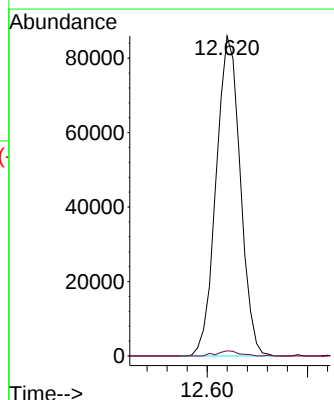
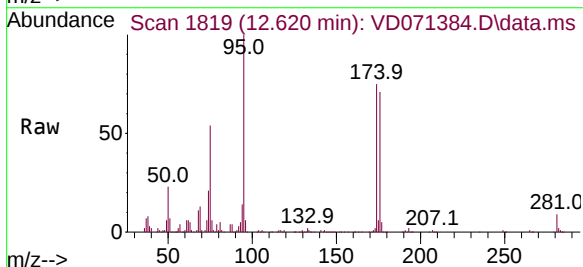


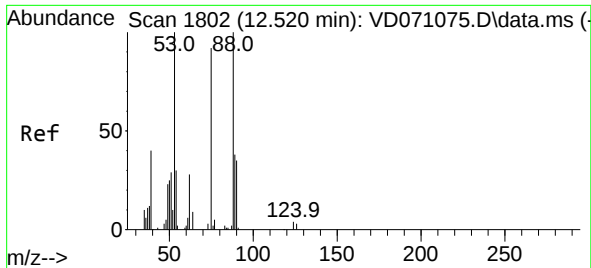
Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 60.682 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071384.D
Acq: 17 Dec 2021 16:41

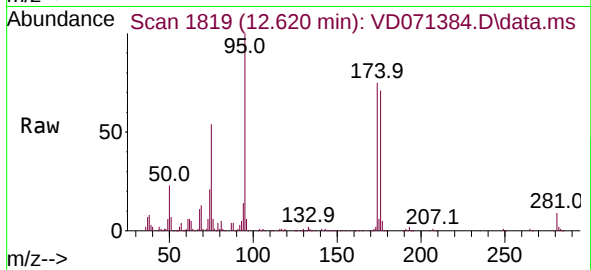
Tgt Ion:	75	Resp:	143578
Ion	Ratio	Lower	Upper
75	100		
77	1.5	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.316 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071384.D
 Acq: 17 Dec 2021 16:41

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 143578
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

