

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071085.D
 Acq On : 30 Nov 2021 14:12
 Operator : VA/SY
 Sample : M4858-01
 Misc : 4.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(5.0)

Quant Time: Dec 01 03:33:06 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)

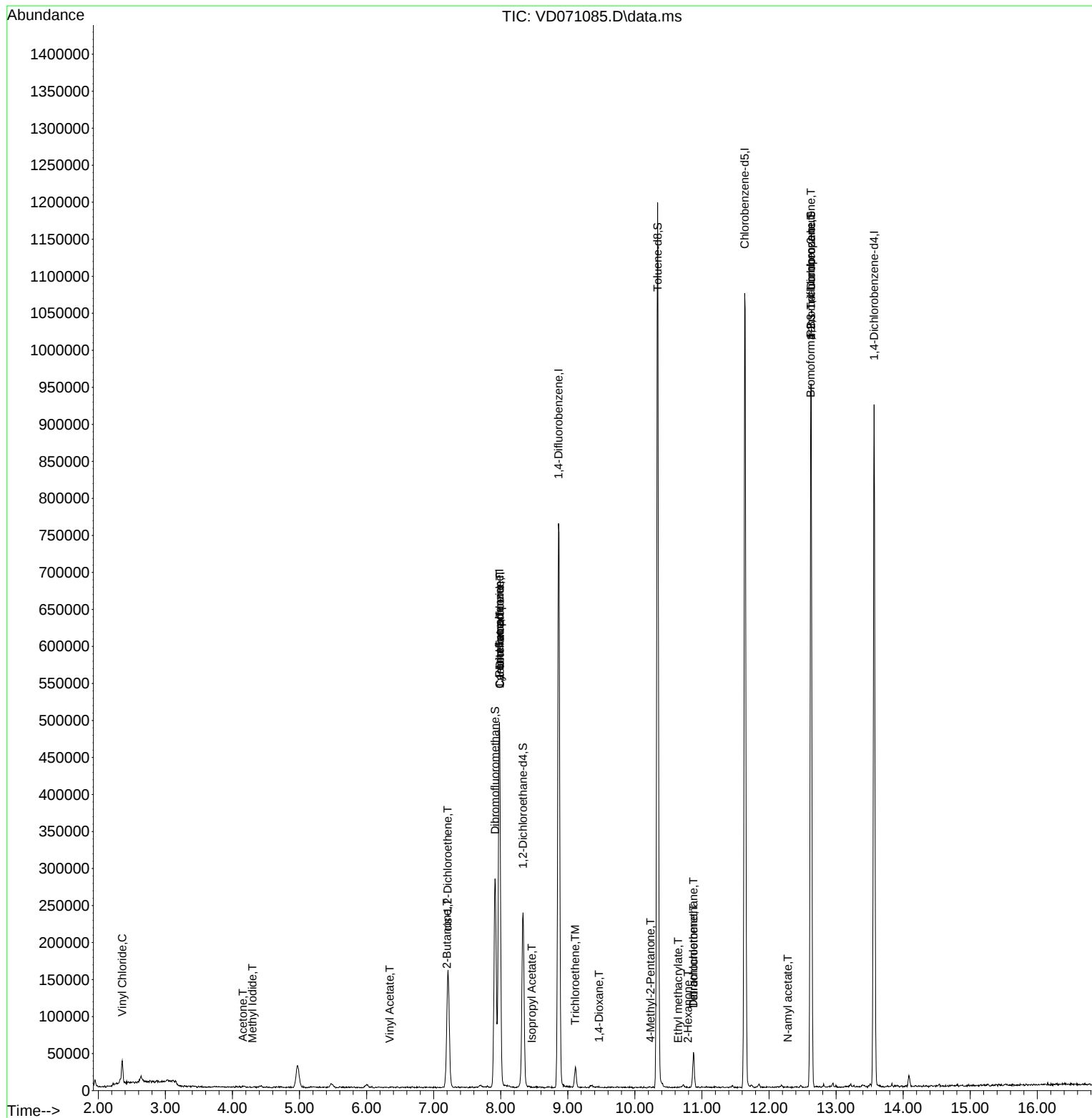
Internal Standards						
1) Pentafluorobenzene	7.979	168	357426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	636750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	587353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	226193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	189557	45.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.400%		
35) Dibromofluoromethane	7.914	113	202384	49.913	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.820%		
50) Toluene-d8	10.338	98	772263	50.048	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.100%		
62) 4-Bromofluorobenzene	12.626	95	266631	49.849	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.700%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.356	62	24441	5.433	ug/l	92
10) Methyl Iodide	4.297	142	64	4.575	ug/l #	22
11) Tert butyl alcohol	5.226	59	103	Below Cal	#	1
16) Acetone	4.156	43	1531	32.002	ug/l	89
23) Vinyl Acetate	6.344	43	180	27.242	ug/l #	72
25) 2-Butanone	7.197	43	121	28.442	ug/l #	1
27) cis-1,2-Dichloroethene	7.209	96	91003	21.536	ug/l	94
31) Cyclohexane	7.985	56	10805	1.515	ug/l #	38
36) 1,1-Dichloropropene	7.985	75	32057	5.387	ug/l #	50
38) Carbon Tetrachloride	7.985	117	37568	6.404	ug/l #	17
41) Methacrylonitrile	7.532	41	94	Below Cal	#	43
43) Isopropyl Acetate	8.461	43	61	5.233	ug/l #	47
44) Trichloroethene	9.108	130	9418	2.185	ug/l	83
49) 1,4-Dioxane	9.467	88	58	2.724	ug/l #	23
51) 4-Methyl-2-Pentanone	10.232	43	790	30.891	ug/l #	34
56) Ethyl methacrylate	10.644	69	67	5.984	ug/l #	1
59) 2-Hexanone	10.791	43	86	34.608	ug/l	85
60) Dibromochloromethane	10.873	129	8794	2.445	ug/l #	11
64) Tetrachloroethene	10.873	164	9530	2.556	ug/l #	83
71) Bromoform	12.620	173	2555	1.239	ug/l #	1
74) N-amyl acetate	12.279	43	264	5.753	ug/l #	69
76) 1,2,3-Trichloropropane	12.626	75	147390	68.392	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	147390	147.267	ug/l #	18

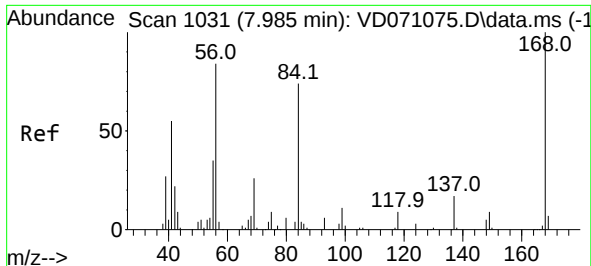
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

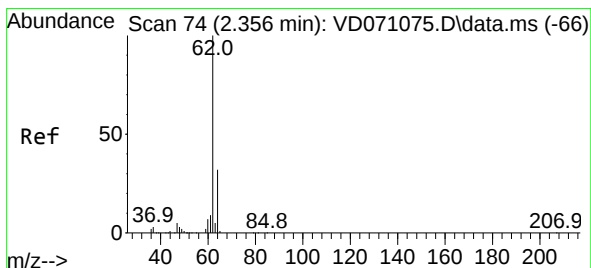
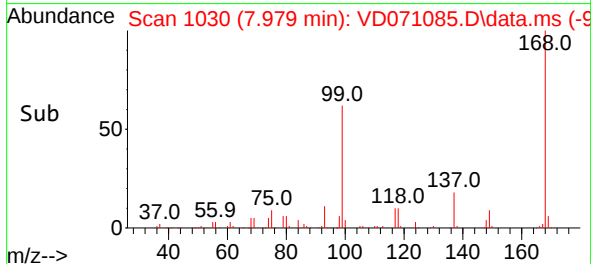
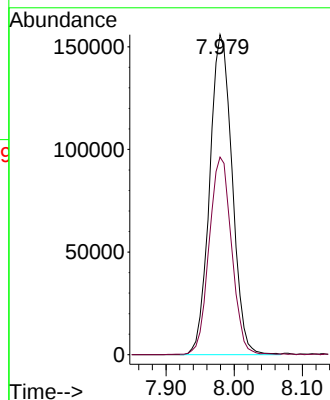
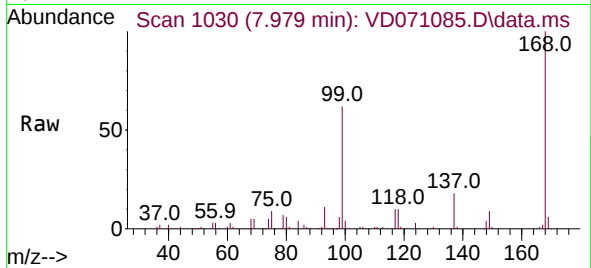




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

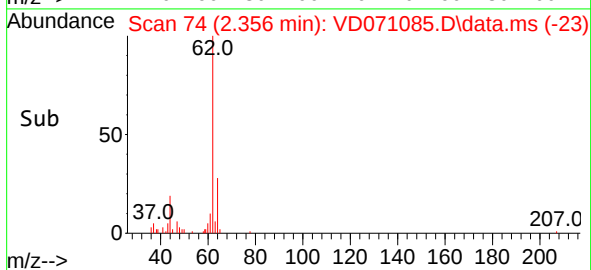
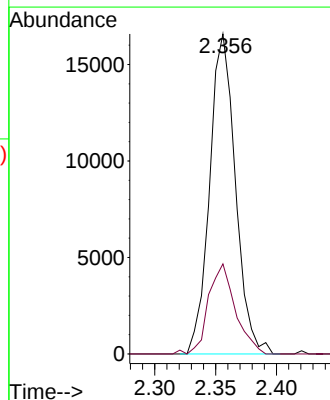
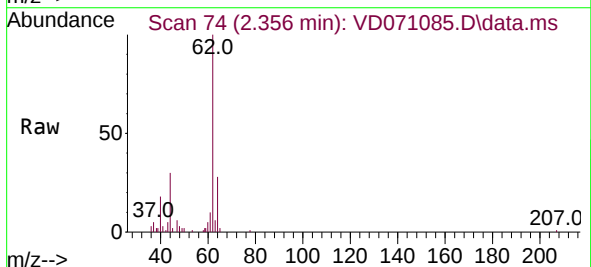
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

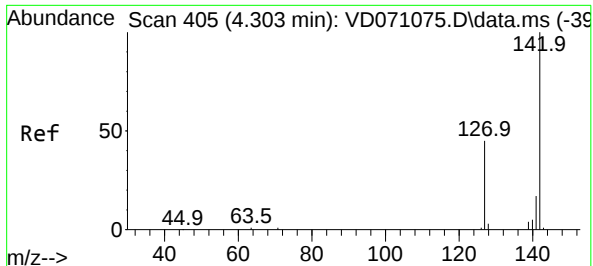
Tgt Ion:168 Resp: 357426
Ion Ratio Lower Upper
168 100
99 61.6 46.6 69.8



#4
Vinyl Chloride
Concen: 5.433 ug/l
RT: 2.356 min Scan# 74
Delta R.T. -0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 62 Resp: 24441
Ion Ratio Lower Upper
62 100
64 28.2 26.0 39.0

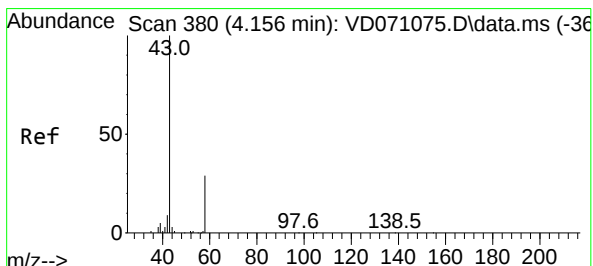
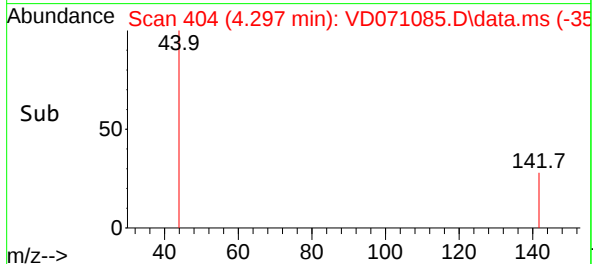
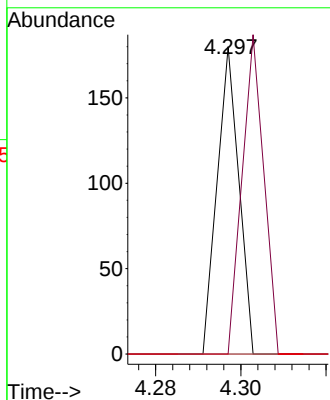
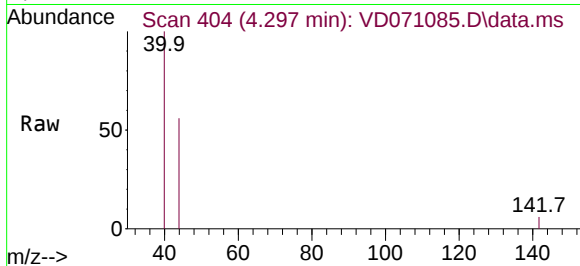




#10
Methyl Iodide
Concen: 4.575 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

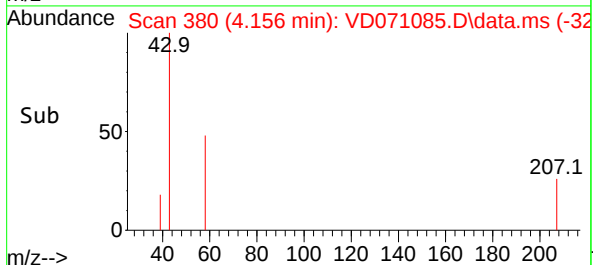
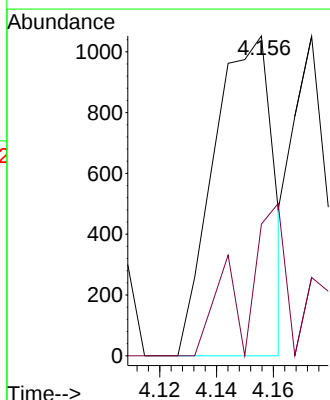
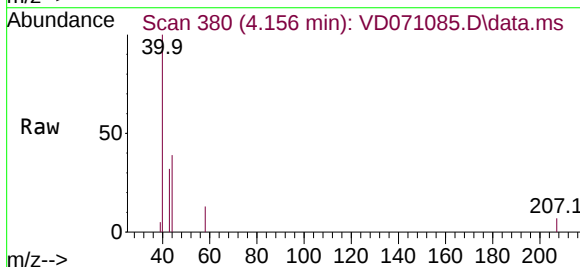
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

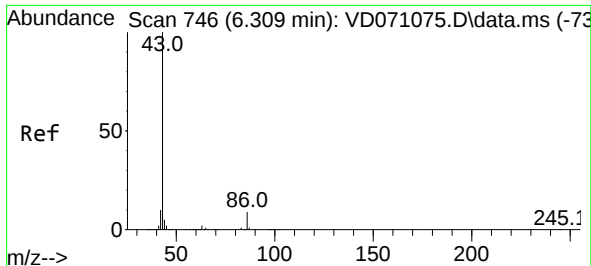
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 103.1 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 32.002 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 41.2 27.8 41.8

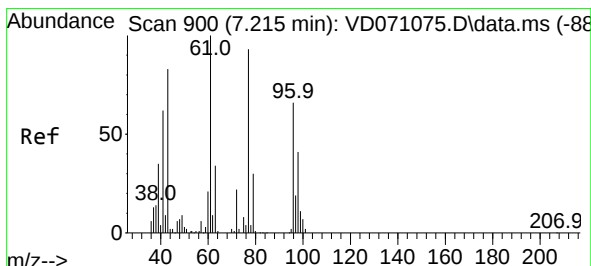
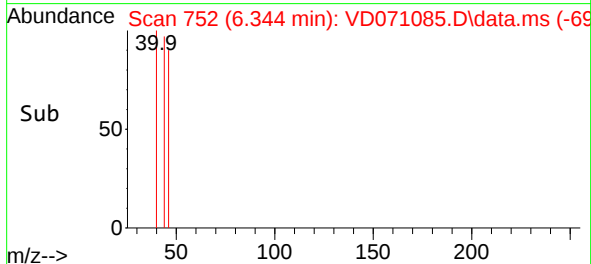
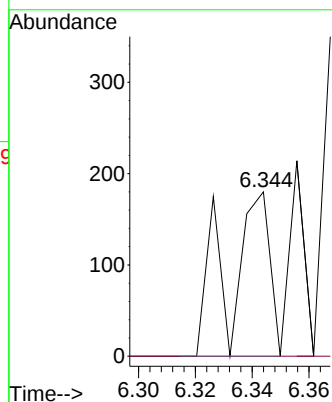
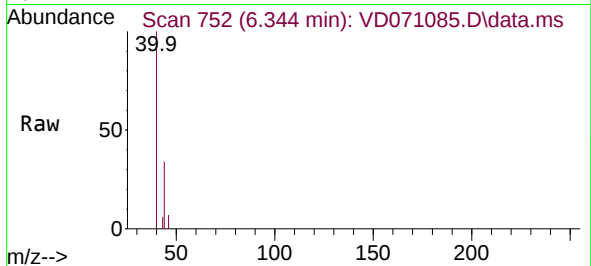




#23
 Vinyl Acetate
 Concen: 27.242 ug/l
 RT: 6.344 min Scan# 71
 Delta R.T. 0.035 min
 Lab File: VD071085.D
 Acq: 30 Nov 2021 14:12

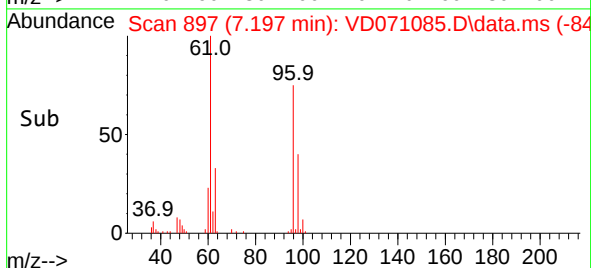
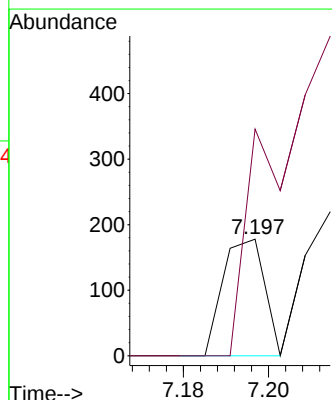
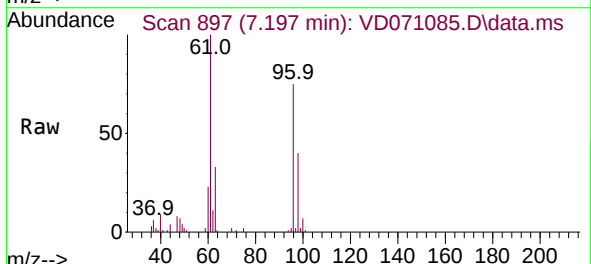
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(5.0)

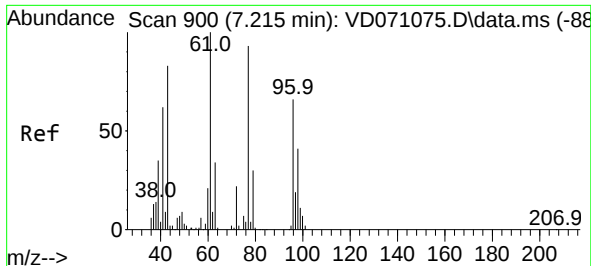
Tgt Ion: 43 Resp: 180
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.442 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD071085.D
 Acq: 30 Nov 2021 14:12

Tgt Ion: 43 Resp: 121
 Ion Ratio Lower Upper
 43 100
 72 194.4 23.8 35.6#

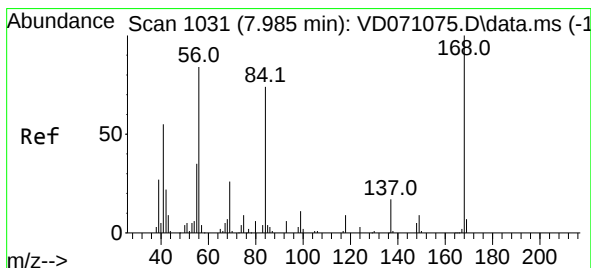
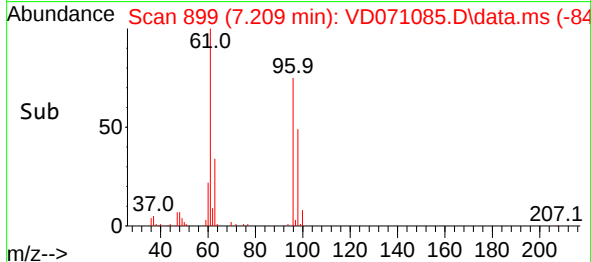
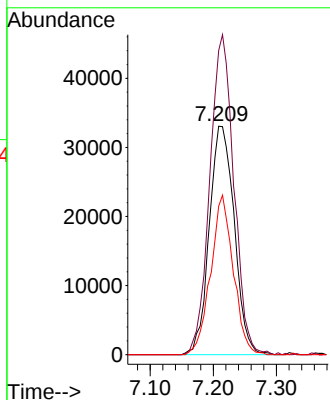
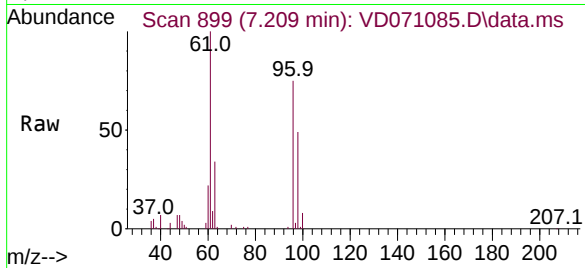




#27
 cis-1,2-Dichloroethene
 Concen: 21.536 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD071085.D
 Acq: 30 Nov 2021 14:12

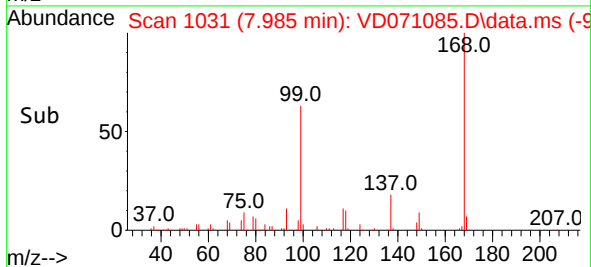
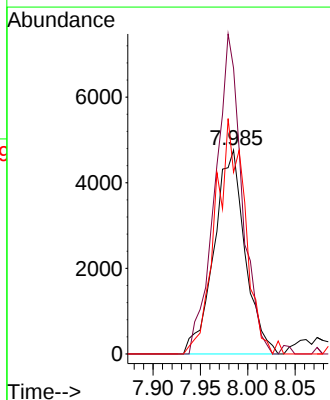
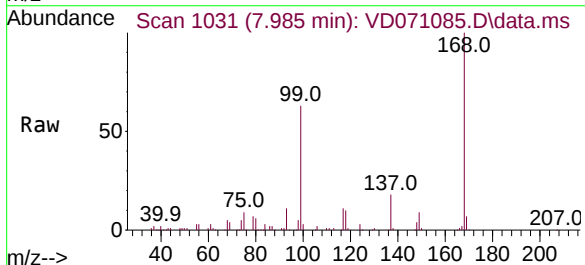
Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(5.0)

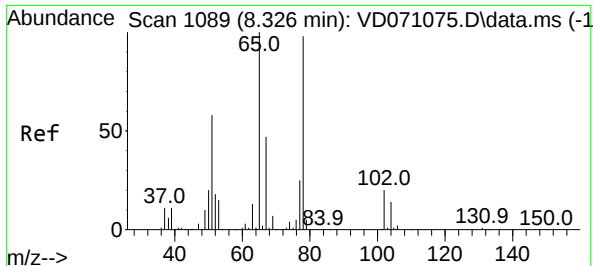
Tgt Ion: 96 Resp: 91003
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 288.6
 98 63.0 0.0 129.2



#31
 Cyclohexane
 Concen: 1.515 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. 0.000 min
 Lab File: VD071085.D
 Acq: 30 Nov 2021 14:12

Tgt Ion: 56 Resp: 10805
 Ion Ratio Lower Upper
 56 100
 69 140.2 25.9 38.9#
 84 89.2 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 45.197 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071085.D

Acq: 30 Nov 2021 14:12

Instrument :

MSVOA_D

ClientSampleId :

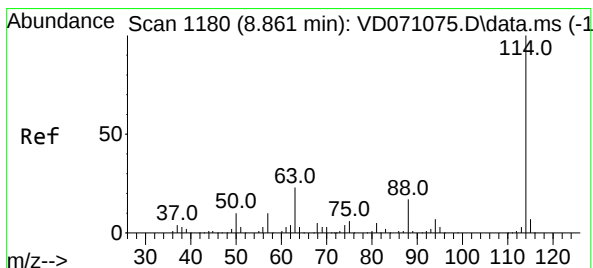
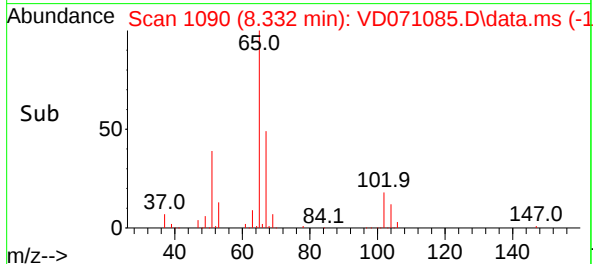
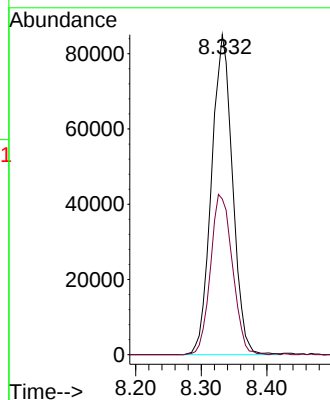
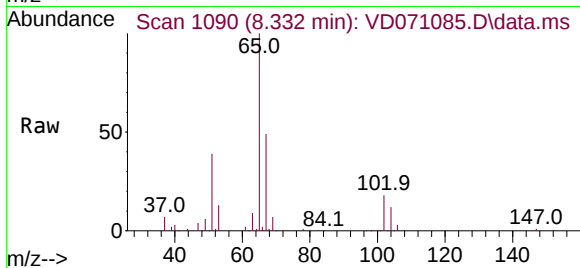
B-1(5.0)

Tgt Ion: 65 Resp: 189557

Ion Ratio Lower Upper

65 100

67 52.2 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: VD071085.D

Acq: 30 Nov 2021 14:12

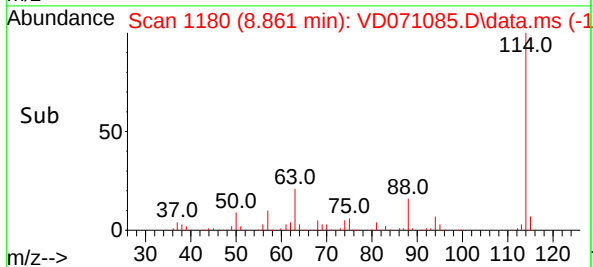
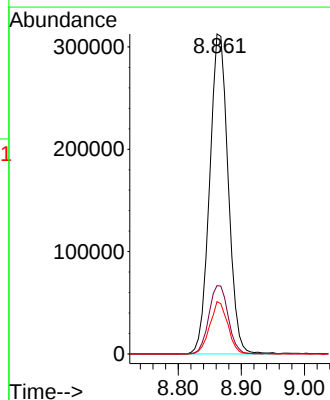
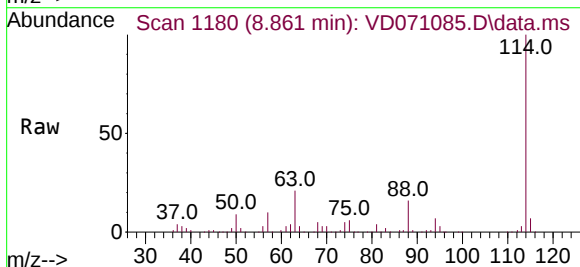
Tgt Ion: 114 Resp: 636750

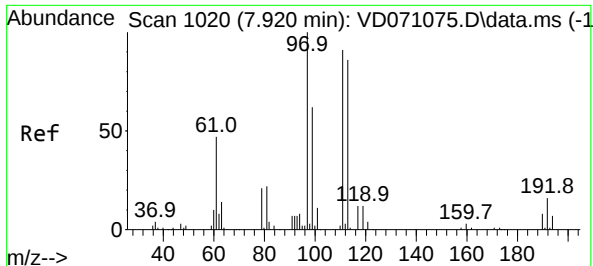
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.913 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071085.D

Acq: 30 Nov 2021 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-1(5.0)

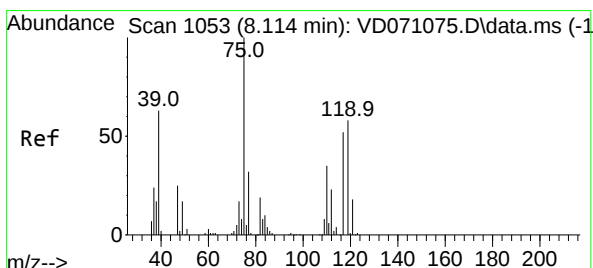
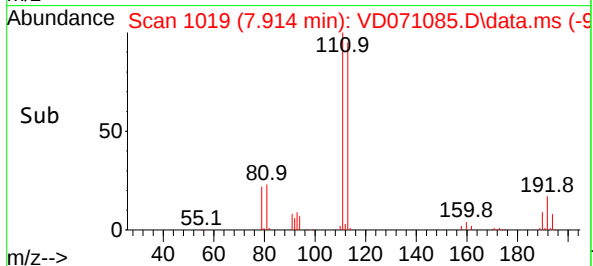
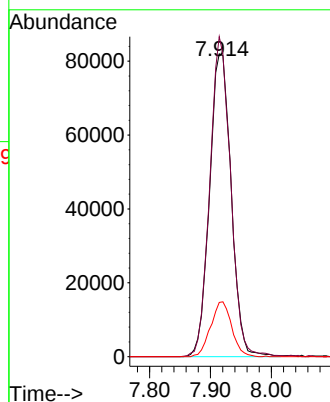
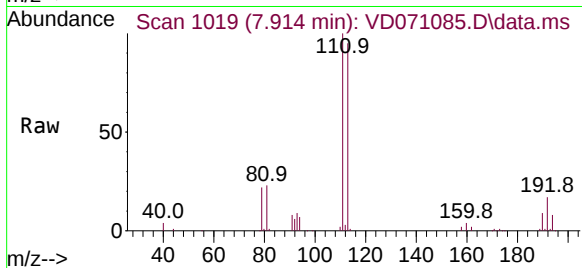
Tgt Ion:113 Resp: 202384

Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

192 17.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071085.D

Acq: 30 Nov 2021 14:12

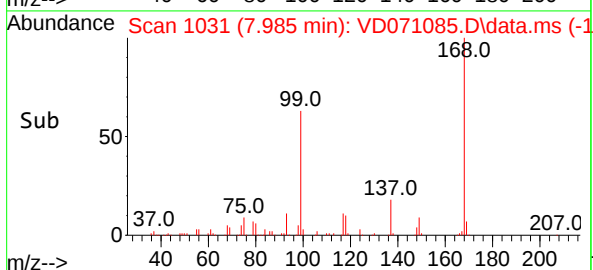
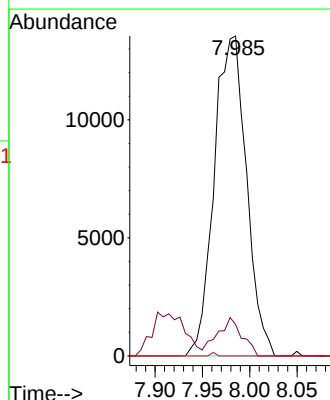
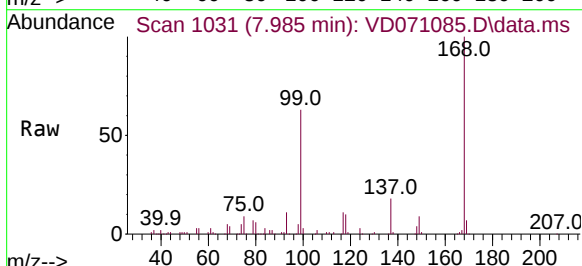
Tgt Ion: 75 Resp: 32057

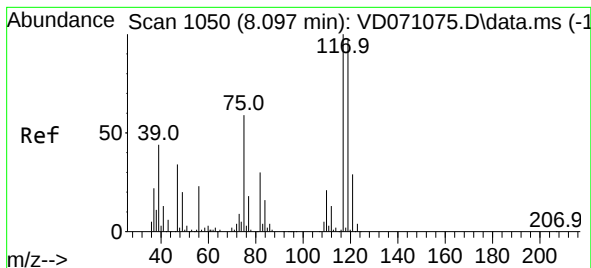
Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.4#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD071085.D

Acq: 30 Nov 2021 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-1(5.0)

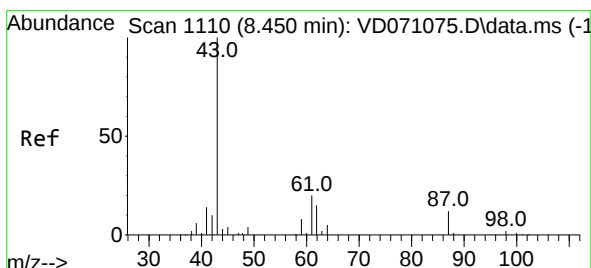
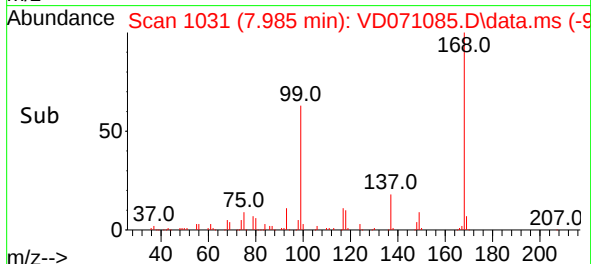
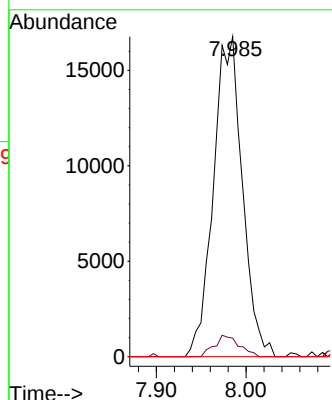
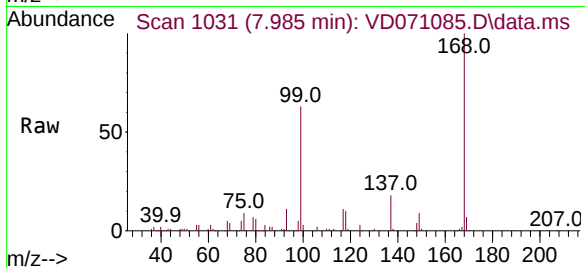
Tgt Ion:117 Resp: 37568

Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.233 ug/l

RT: 8.461 min Scan# 1112

Delta R.T. 0.011 min

Lab File: VD071085.D

Acq: 30 Nov 2021 14:12

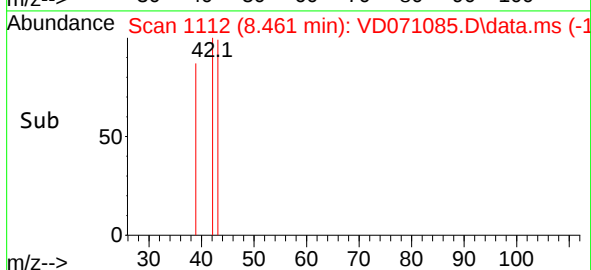
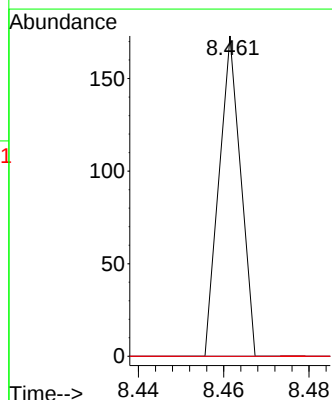
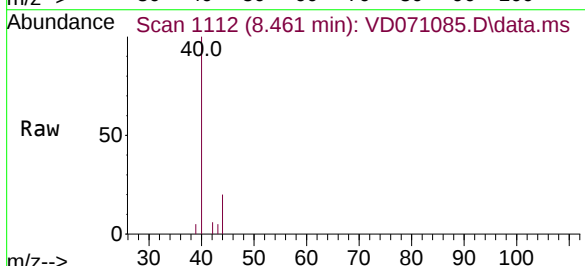
Tgt Ion: 43 Resp: 61

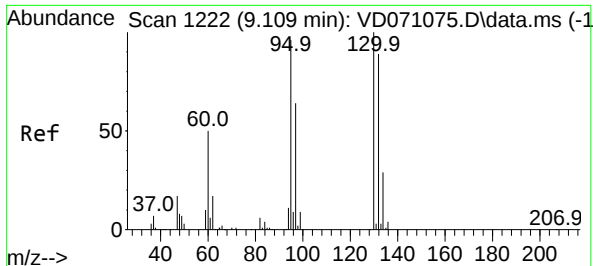
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#

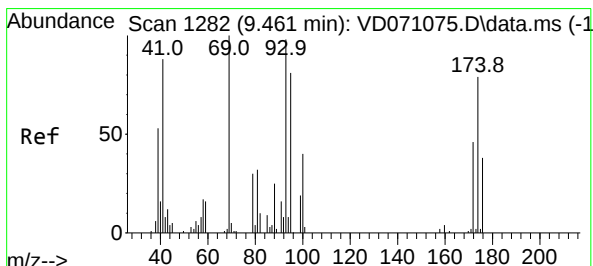
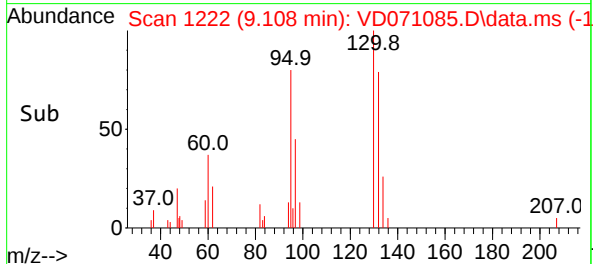
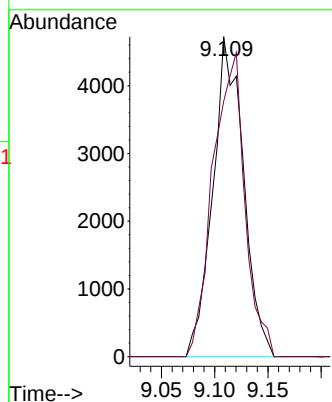
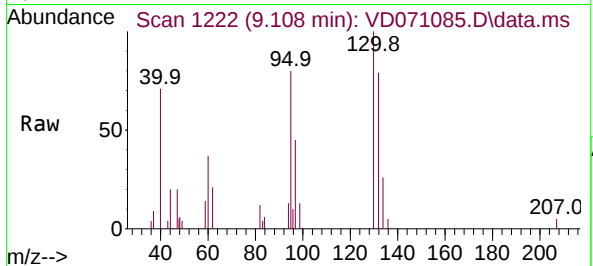




#44
Trichloroethene
Concen: 2.185 ug/l
RT: 9.108 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

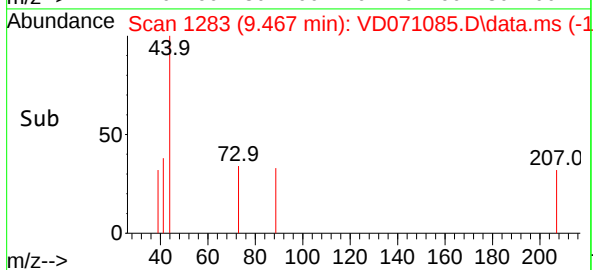
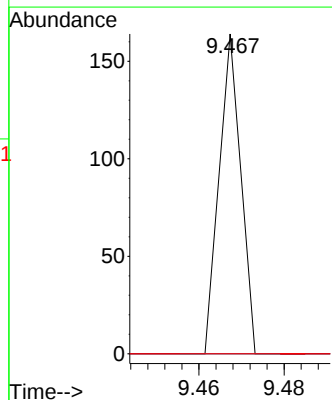
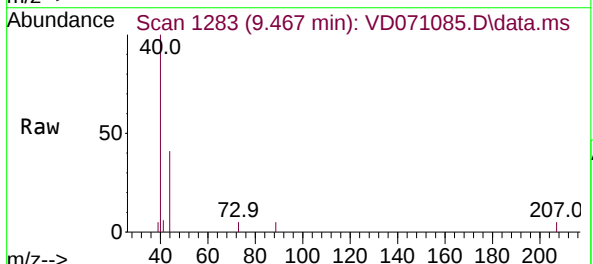
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

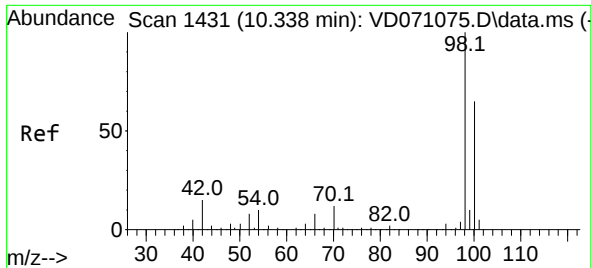
Tgt Ion:130 Resp: 9418
Ion Ratio Lower Upper
130 100
95 79.8 0.0 193.2



#49
1,4-Dioxane
Concen: 2.724 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.006 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

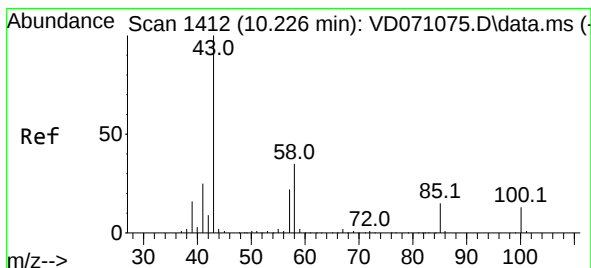
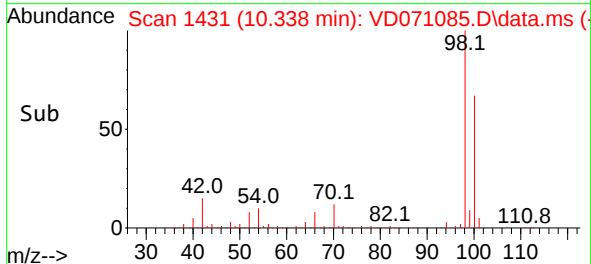
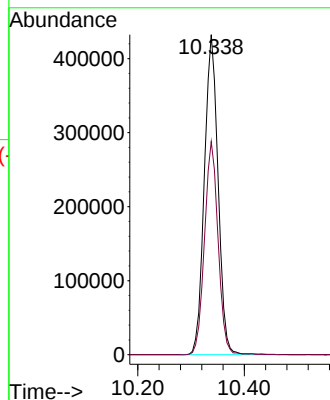
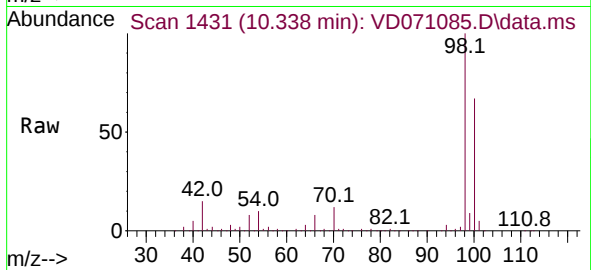




#50
Toluene-d8
Concen: 50.048 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

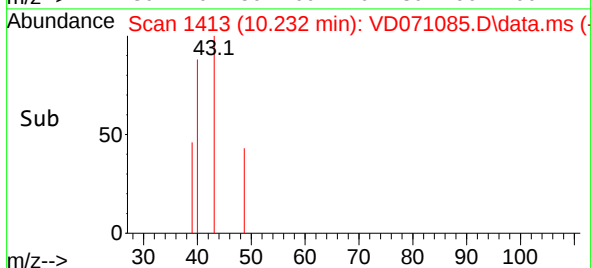
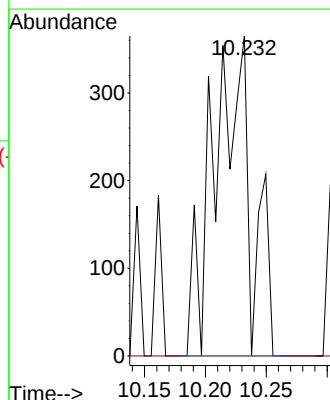
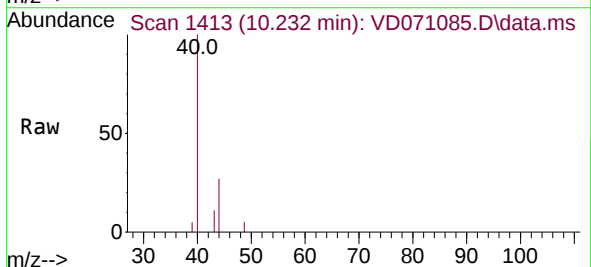
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

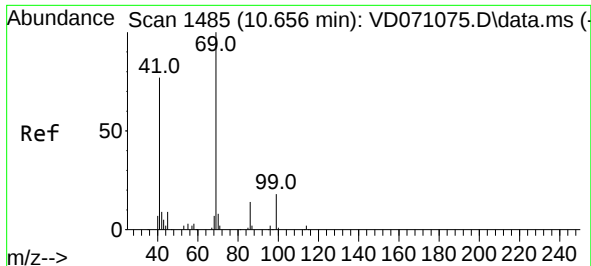
Tgt Ion: 98 Resp: 772263
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.891 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

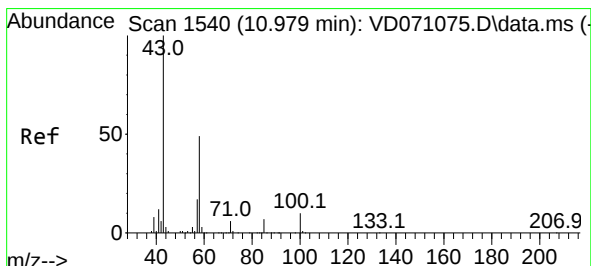
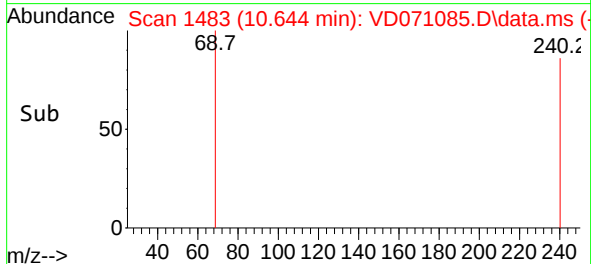
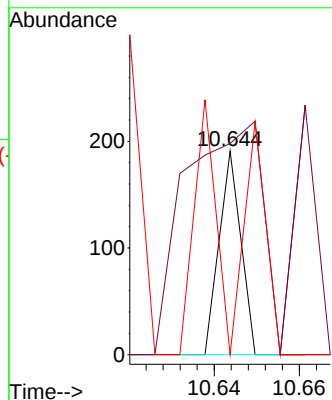
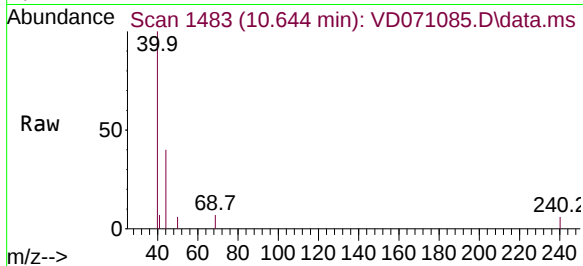




#56
Ethyl methacrylate
Concen: 5.984 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

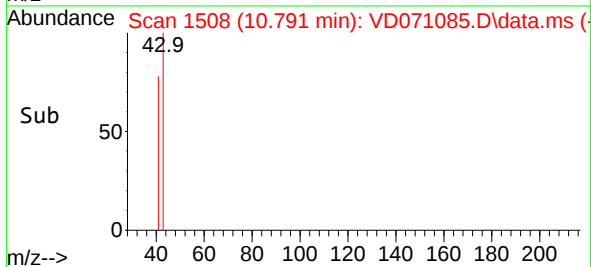
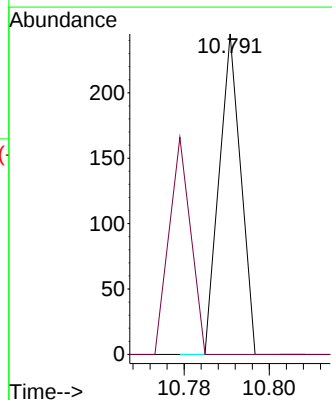
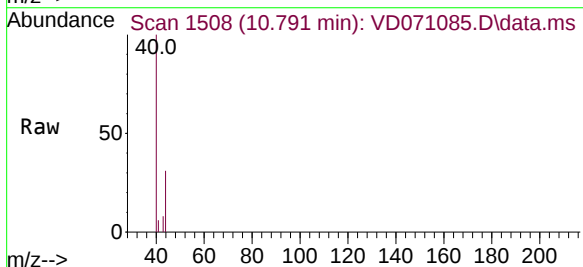
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

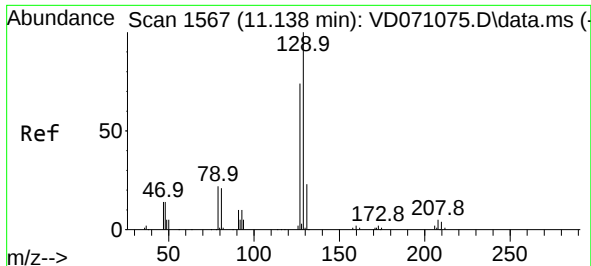
Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 407.5 50.2 75.2#
39 240.3 19.8 29.8#



#59
2-Hexanone
Concen: 34.608 ug/l
RT: 10.791 min Scan# 1508
Delta R.T. -0.188 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
58 68.6 28.7 86.1

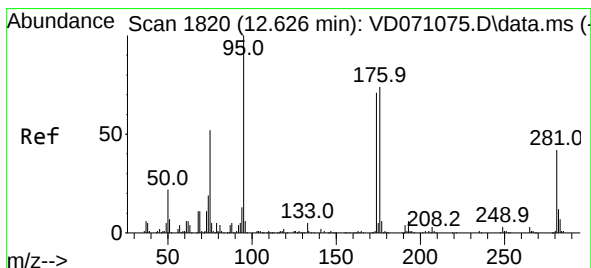
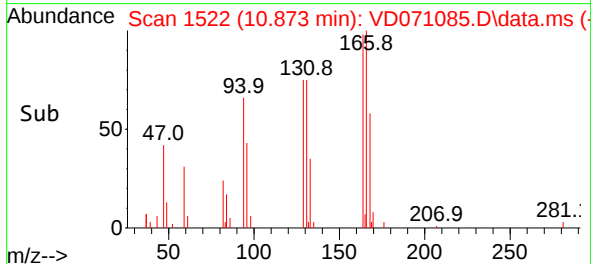
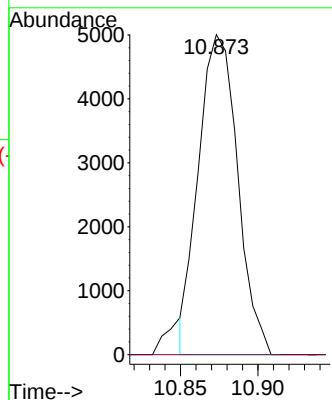
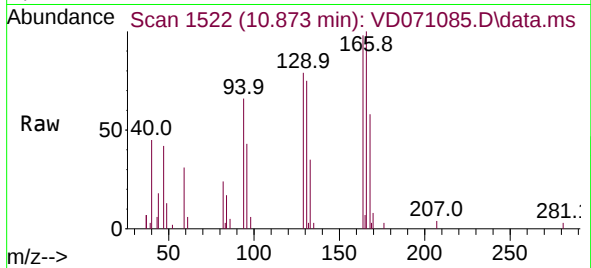




#60
Dibromochloromethane
Concen: 2.445 ug/l
RT: 10.873 min Scan# 1567
Delta R.T. -0.265 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

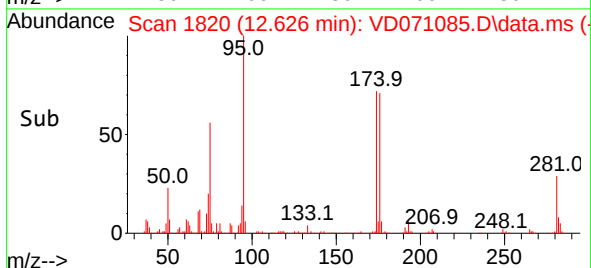
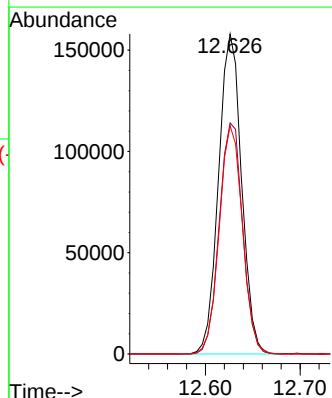
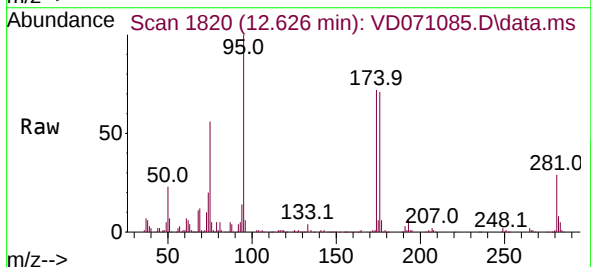
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

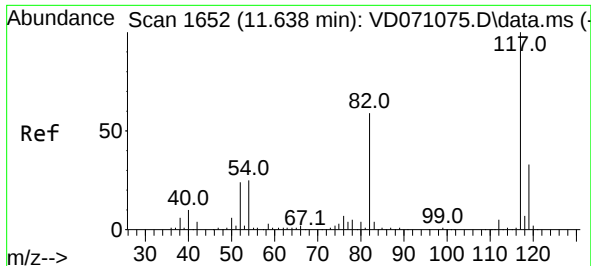
Tgt Ion:129 Resp: 8794
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 49.849 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 95 Resp: 266631
Ion Ratio Lower Upper
95 100
174 73.8 0.0 159.4
176 71.6 0.0 154.0

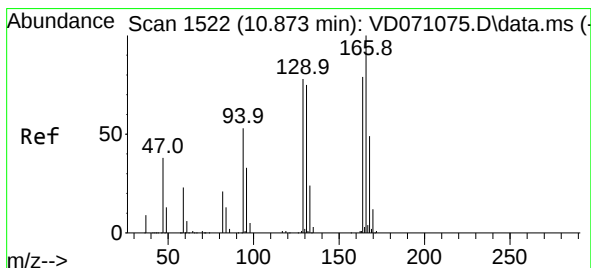
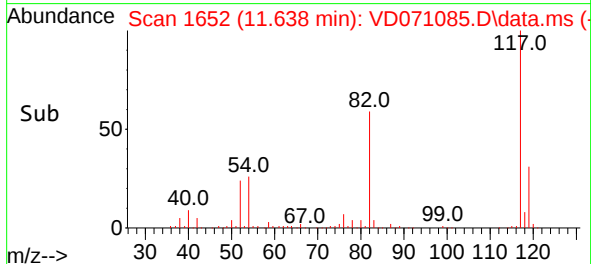
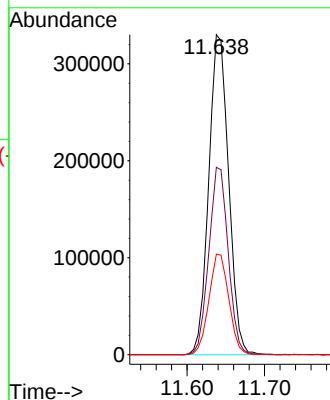
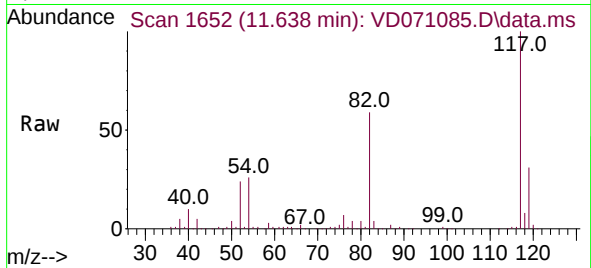




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

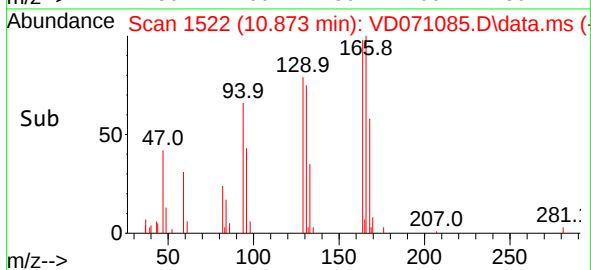
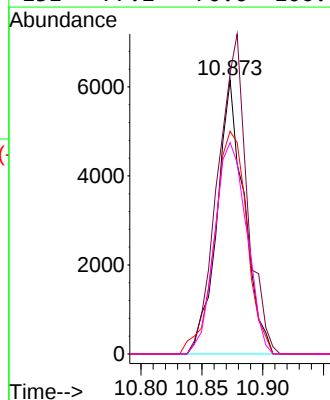
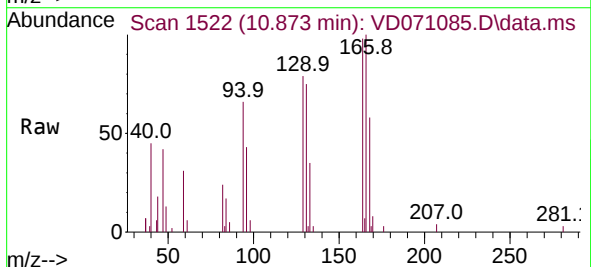
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

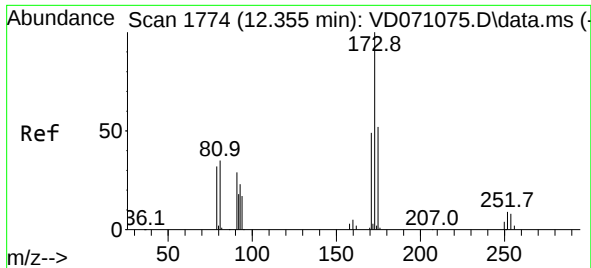
Tgt Ion:117 Resp: 587353
Ion Ratio Lower Upper
117 100
82 58.5 44.7 67.1
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 2.556 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion:164 Resp: 9530
Ion Ratio Lower Upper
164 100
166 102.5 102.6 153.8#
129 81.3 75.4 113.0
131 77.2 70.6 106.0

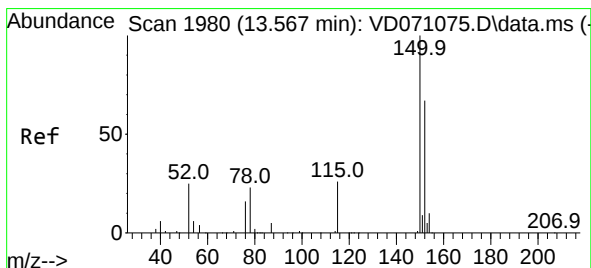
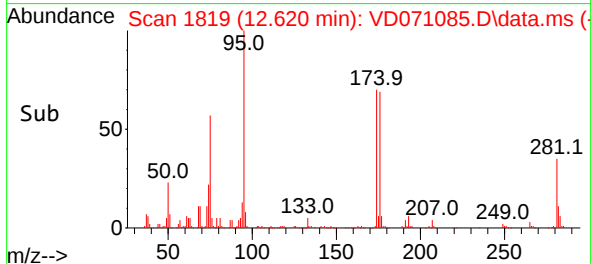
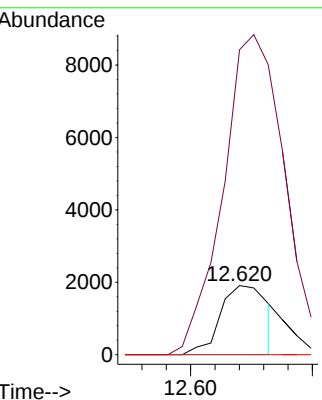
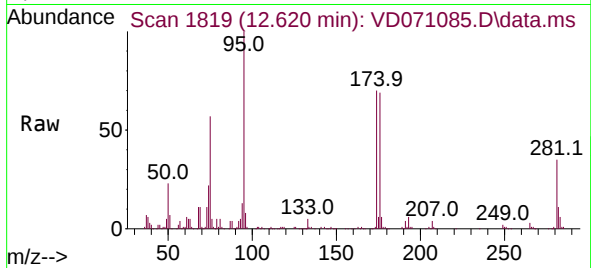




#71
Bromoform
Concen: 1.239 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

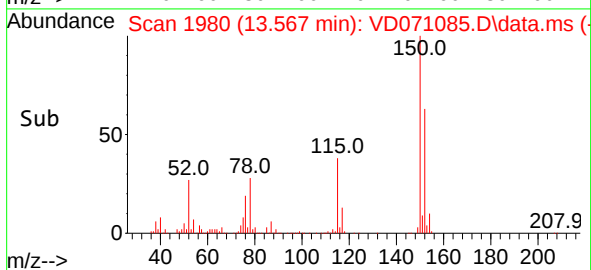
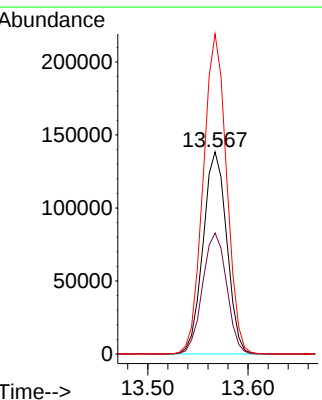
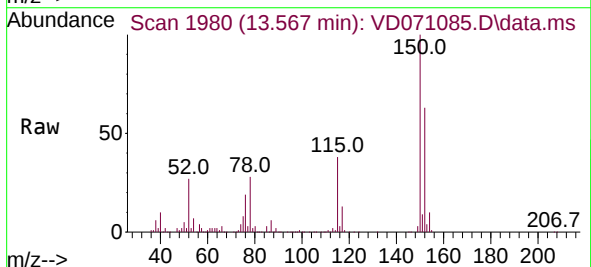
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

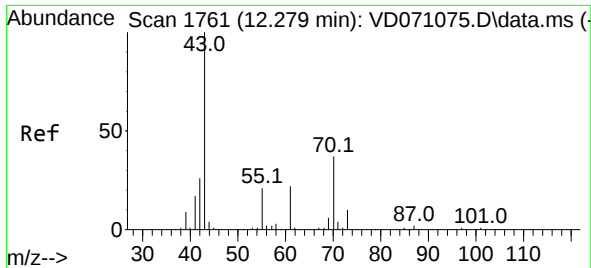
Tgt Ion:173 Resp: 2555
Ion Ratio Lower Upper
173 100
175 472.0 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion:152 Resp: 226193
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 156.4 0.0 349.2

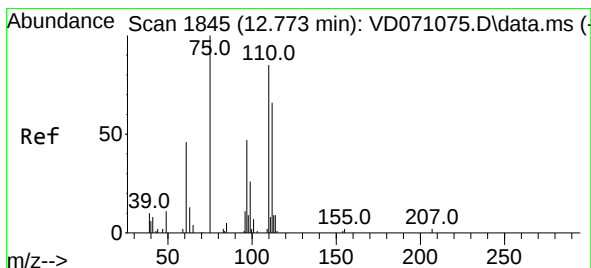
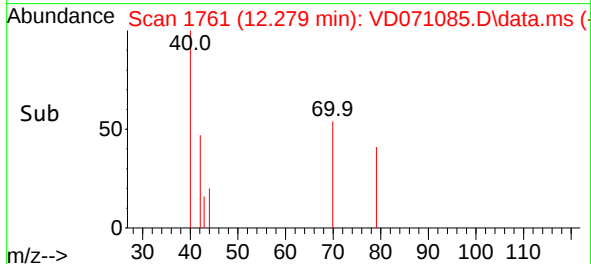
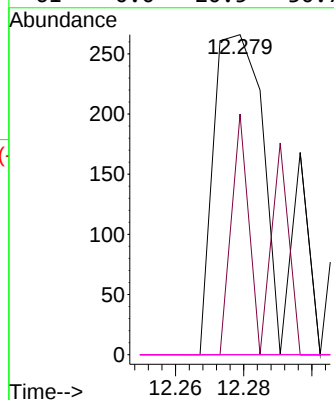
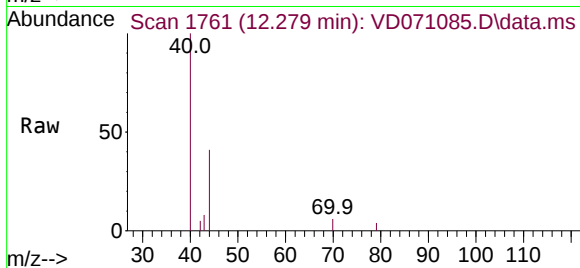




#74
N-amy1 acetate
Concen: 5.753 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

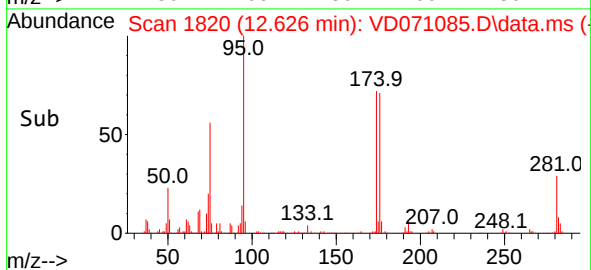
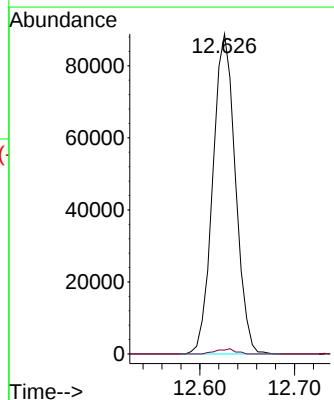
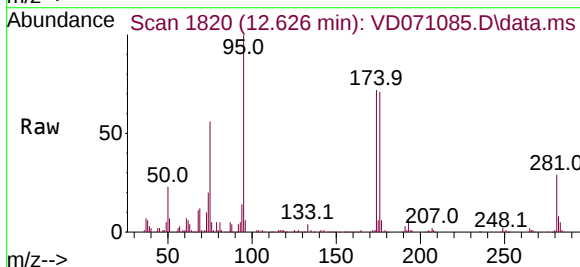
Instrument :
MSVOA_D
ClientSampleId :
B-1(5.0)

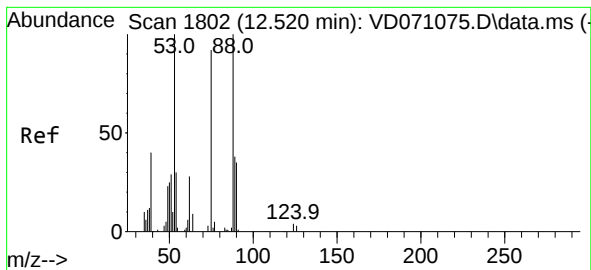
Tgt Ion: 43	Resp: 264
Ion Ratio	Lower Upper
43 100	
70 50.4	36.6 55.0
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 68.392 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071085.D
Acq: 30 Nov 2021 14:12

Tgt Ion: 75	Resp: 147390
Ion Ratio	Lower Upper
75 100	
77 1.4	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.267 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071085.D
 Acq: 30 Nov 2021 14:12

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1(5.0)

Tgt Ion: 75 Resp: 147390
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.4 34.5 51.7#

