

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071100.D
 Acq On : 01 Dec 2021 12:06
 Operator : VA/SY
 Sample : M4721-01
 Misc : 5.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-1

Quant Time: Dec 02 03:13:41 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)

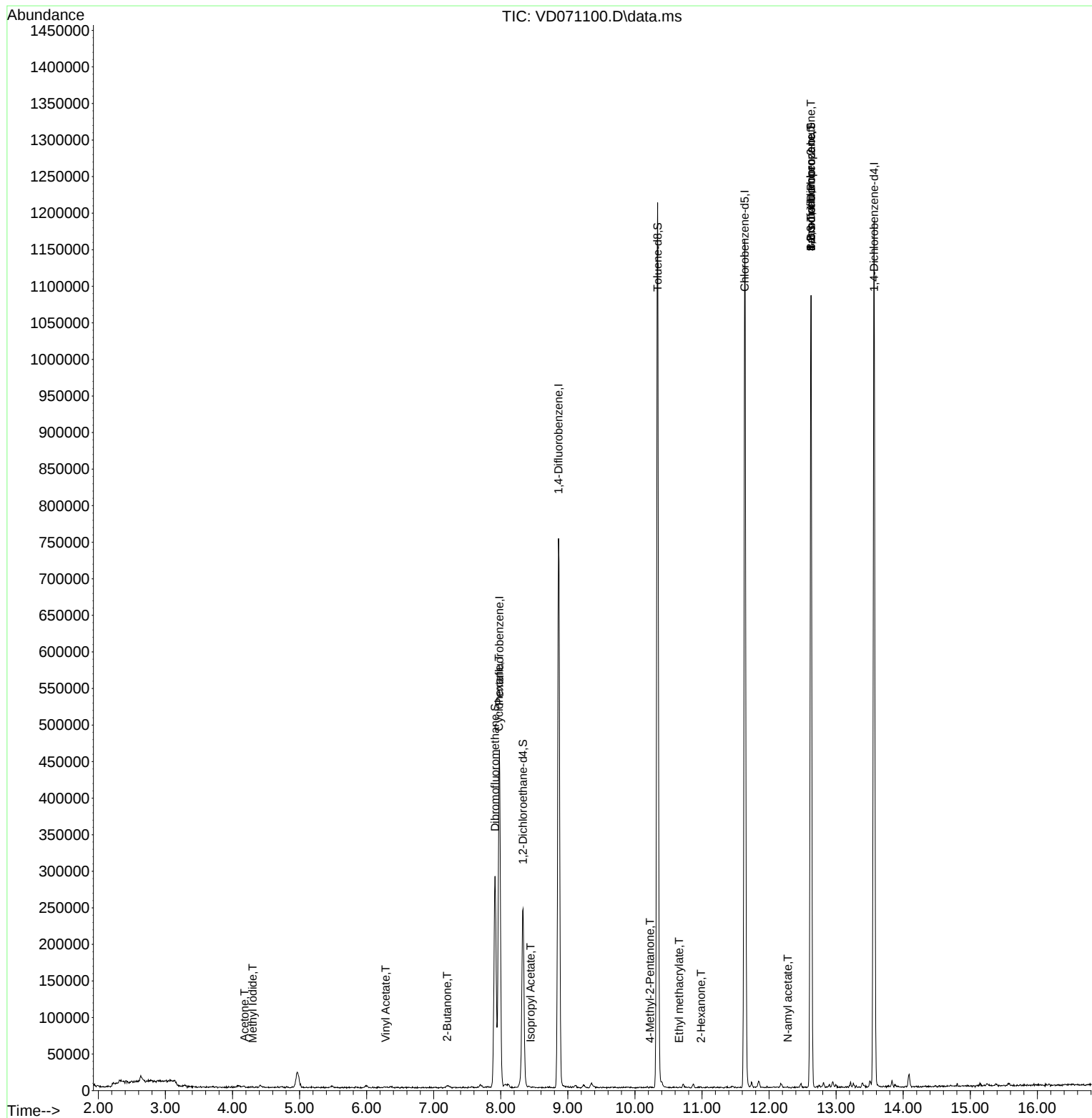
Internal Standards						
1) Pentafluorobenzene	7.979	168	321079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	616003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	627344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	290677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	193823	51.446	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.900%	
35) Dibromofluoromethane	7.914	113	201566	51.385	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.780%	
50) Toluene-d8	10.338	98	796726	53.372	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.740%	
62) 4-Bromofluorobenzene	12.626	95	304778	58.900	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.800%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	632	4.714	ug/l #	83
11) Tert butyl alcohol	5.209	59	144	Below Cal	#	71
16) Acetone	4.179	43	3741	34.075	ug/l #	85
23) Vinyl Acetate	6.285	43	187	27.245	ug/l #	72
25) 2-Butanone	7.203	43	377	28.648	ug/l #	45
31) Cyclohexane	7.973	56	9882	1.542	ug/l #	21
41) Methacrylonitrile	7.550	41	330	Below Cal	#	24
43) Isopropyl Acetate	8.444	43	140	5.246	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	662	30.859	ug/l #	34
56) Ethyl methacrylate	10.661	69	237	6.022	ug/l #	1
59) 2-Hexanone	10.985	43	686	34.854	ug/l #	53
71) Bromoform	12.626	173	2948	1.339	ug/l #	1
74) N-amyl acetate	12.279	43	297	5.747	ug/l #	55
76) 1,2,3-Trichloropropane	12.626	75	164708	59.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	164708	128.815	ug/l #	19

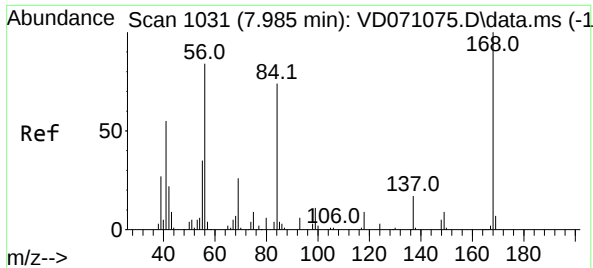
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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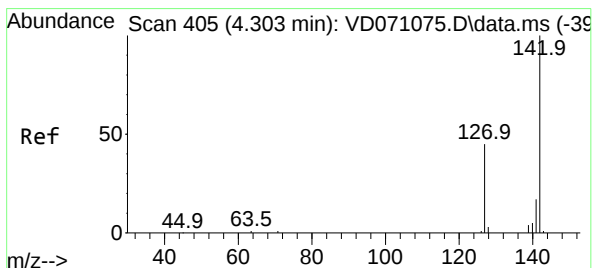
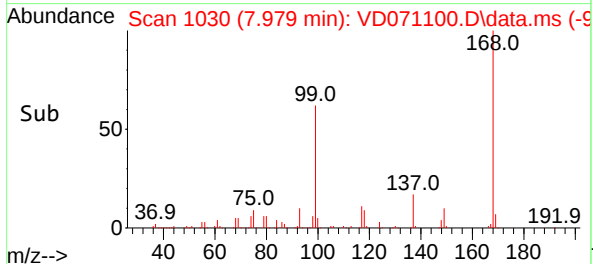
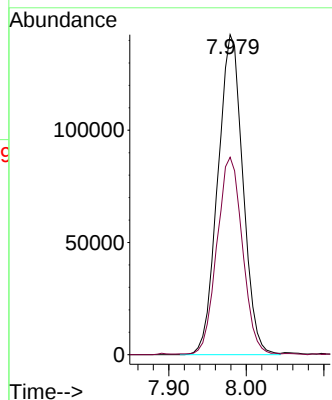
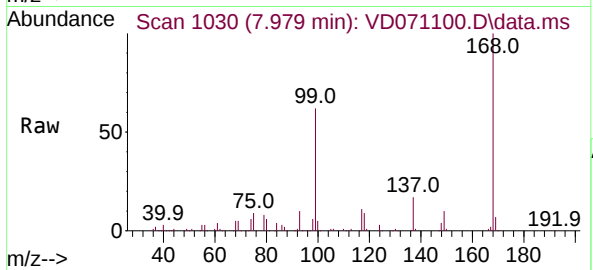




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

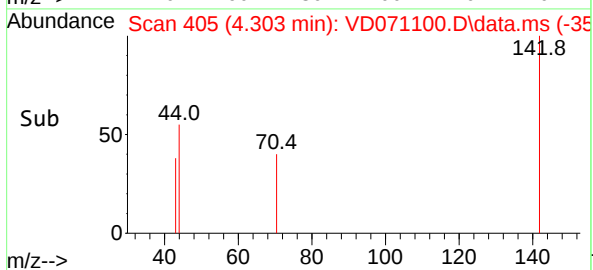
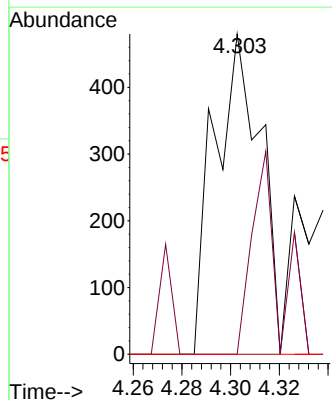
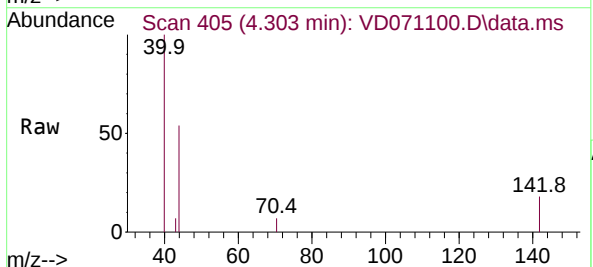
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-1

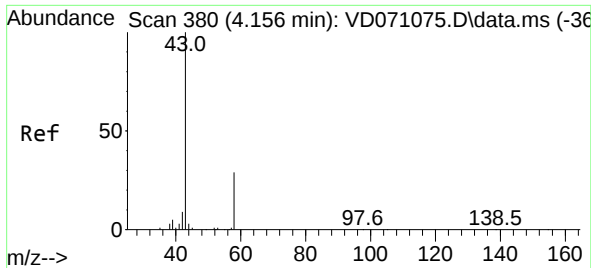
Tgt Ion:168 Resp: 321079
Ion Ratio Lower Upper
168 100
99 61.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.714 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

Tgt Ion:142 Resp: 632
Ion Ratio Lower Upper
142 100
127 37.2 35.0 52.4
141 0.0 12.0 18.0#

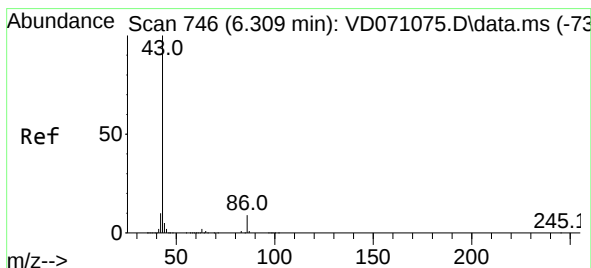
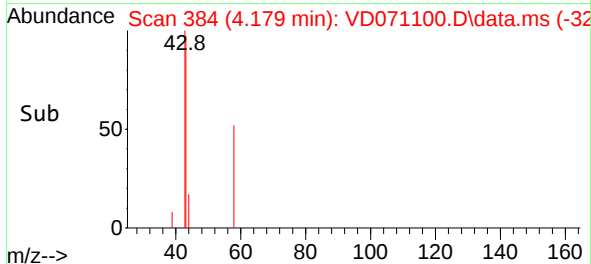
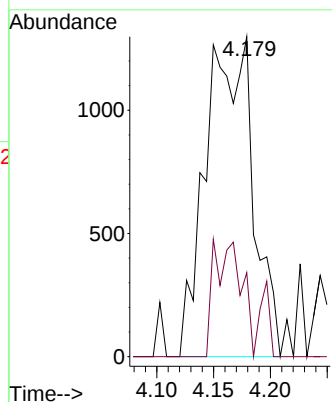
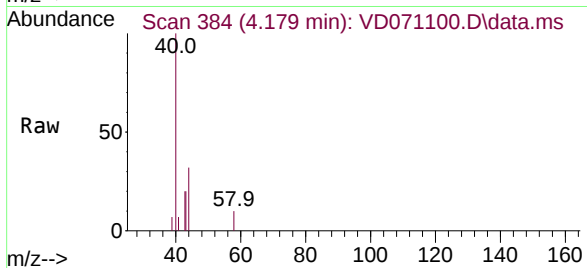




#16
Acetone
Concen: 34.075 ug/l
RT: 4.179 min Scan# 380
Delta R.T. 0.023 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

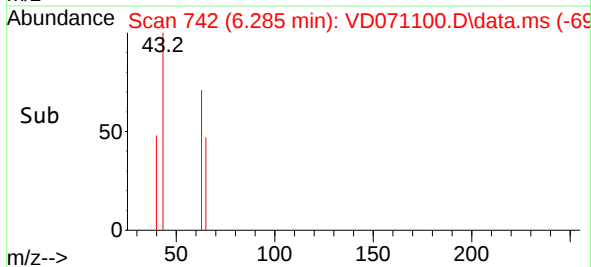
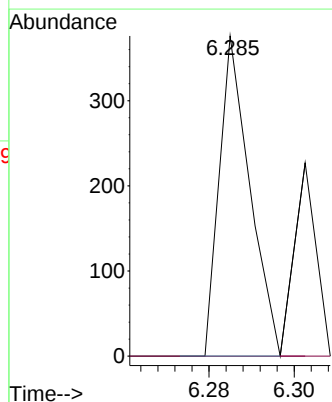
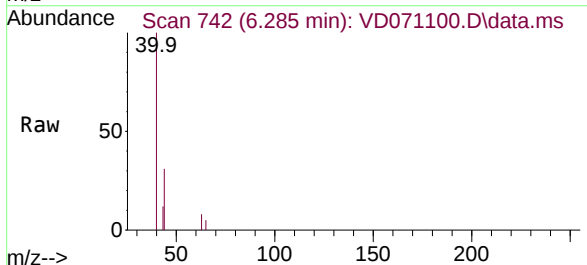
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-1

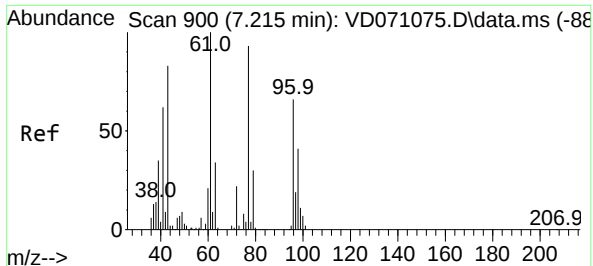
Tgt Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
58 26.3 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.245 ug/l
RT: 6.285 min Scan# 742
Delta R.T. -0.024 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 28.648 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.012 min

Lab File: VD071100.D

Acq: 01 Dec 2021 12:06

Instrument :

MSVOA_D

ClientSampleId :

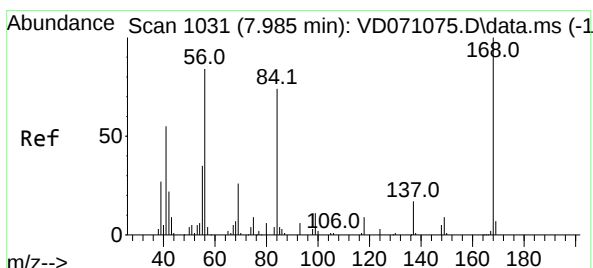
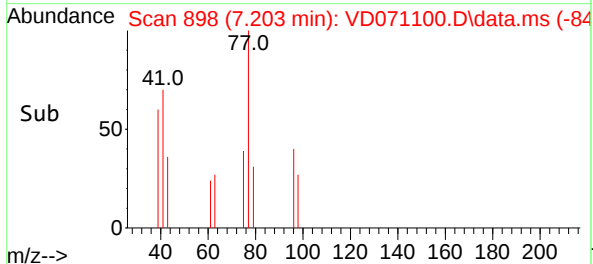
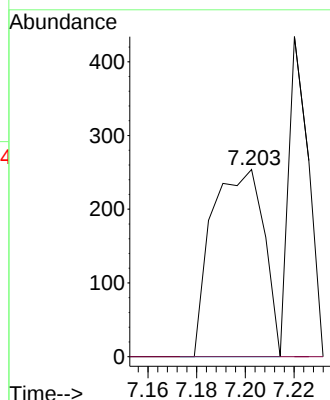
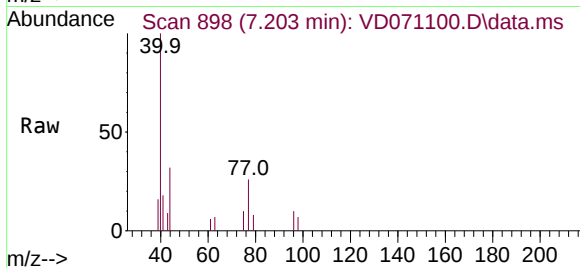
SAMPLE-1

Tgt Ion: 43 Resp: 377

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.542 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071100.D

Acq: 01 Dec 2021 12:06

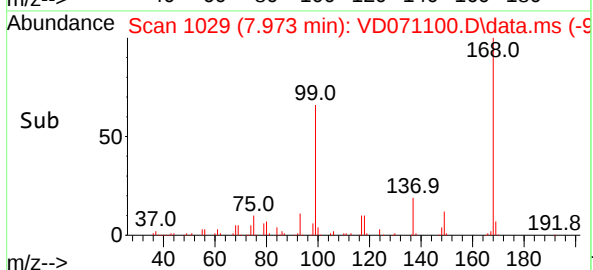
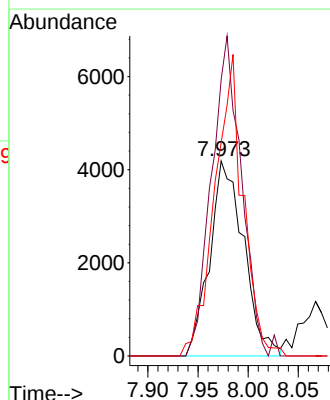
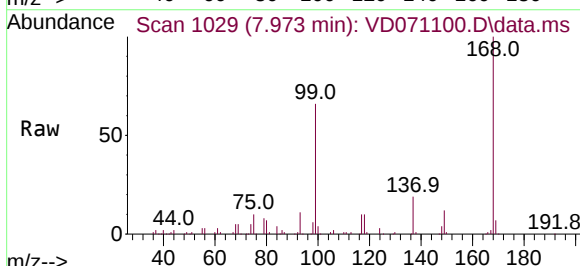
Tgt Ion: 56 Resp: 9882

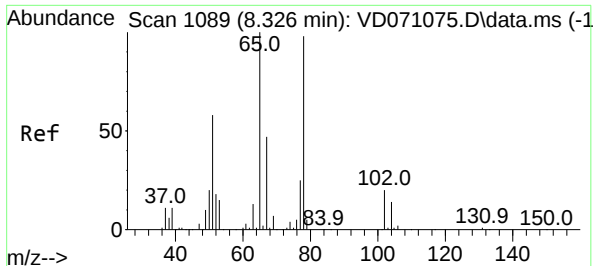
Ion Ratio Lower Upper

56 100

69 141.7 25.9 38.9#

84 109.5 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 51.446 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071100.D

Acq: 01 Dec 2021 12:06

Instrument :

MSVOA_D

ClientSampleId :

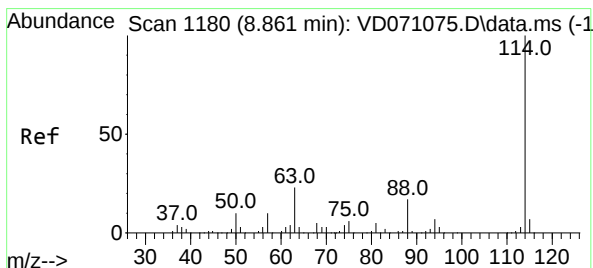
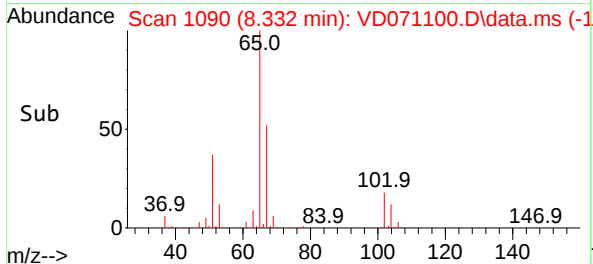
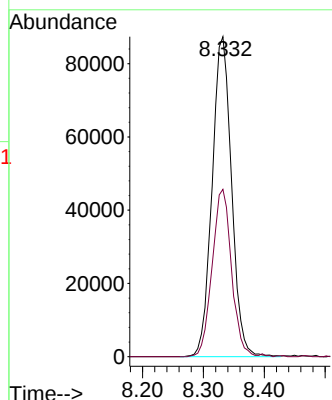
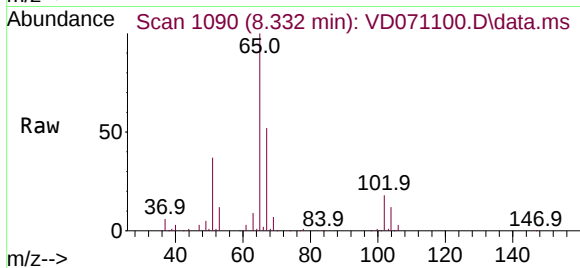
SAMPLE-1

Tgt Ion: 65 Resp: 193823

Ion Ratio Lower Upper

65 100

67 52.0 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071100.D

Acq: 01 Dec 2021 12:06

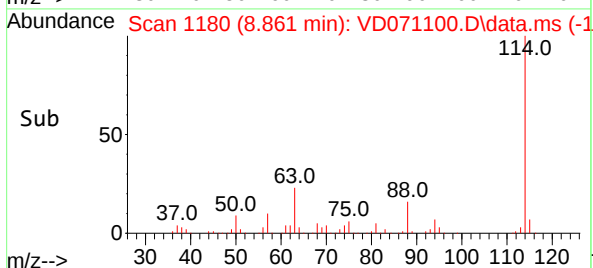
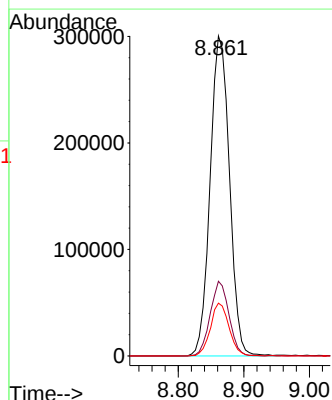
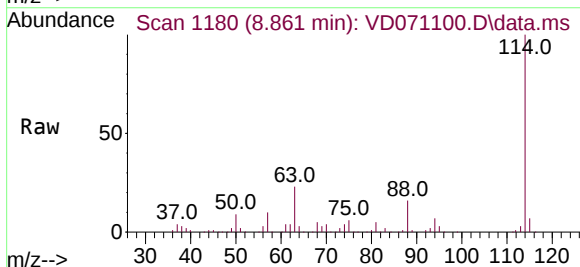
Tgt Ion: 114 Resp: 616003

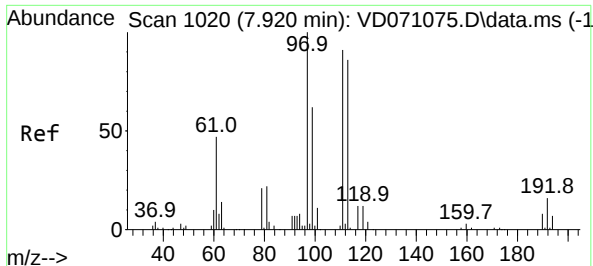
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.385 ug/l

RT: 7.914 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD071100.D

Acq: 01 Dec 2021 12:06

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-1

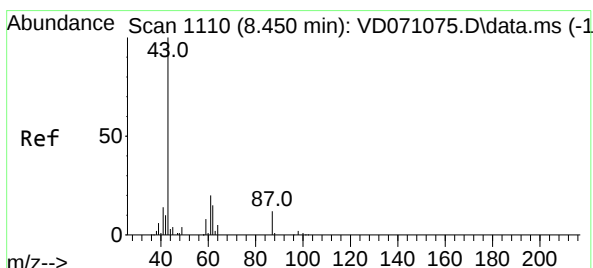
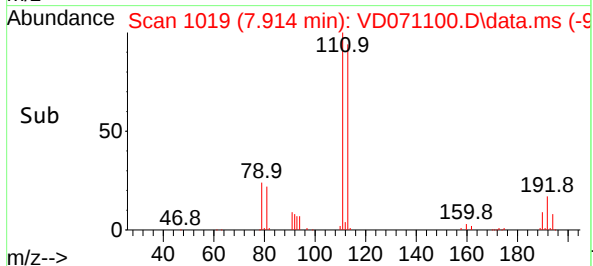
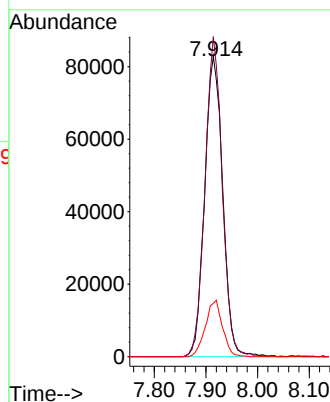
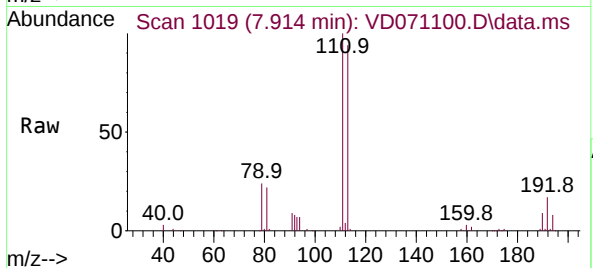
Tgt Ion:113 Resp: 201566

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

192 17.8 15.2 22.8



#43

Isopropyl Acetate

Concen: 5.246 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD071100.D

Acq: 01 Dec 2021 12:06

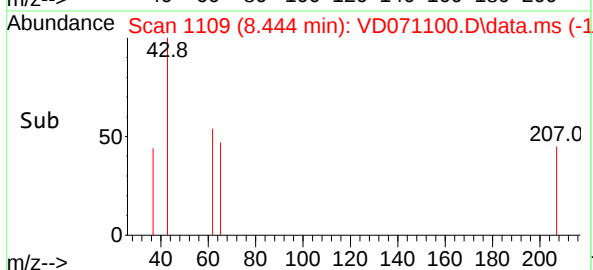
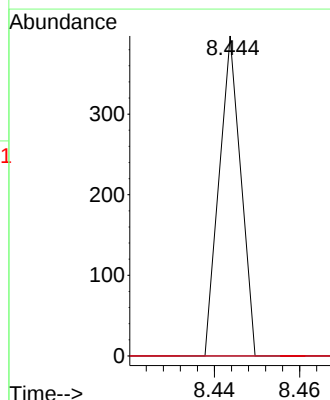
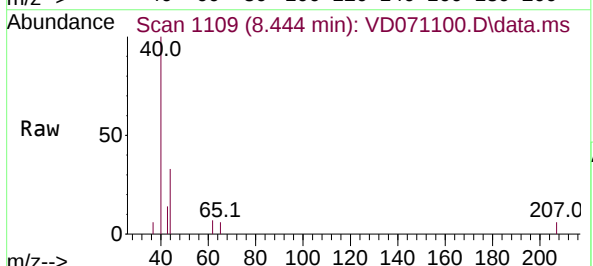
Tgt Ion: 43 Resp: 140

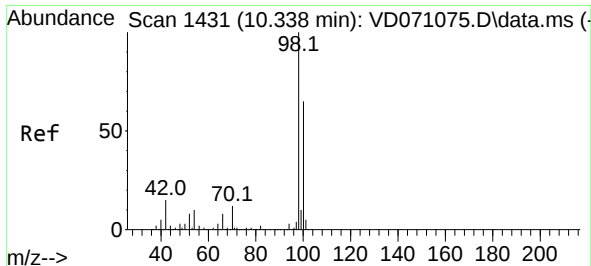
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#

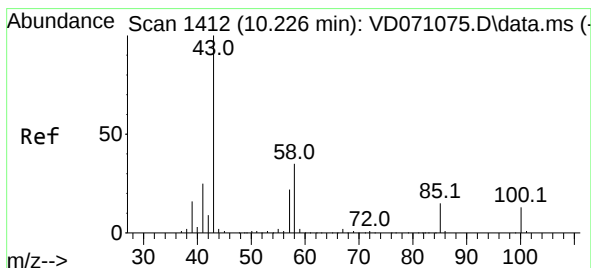
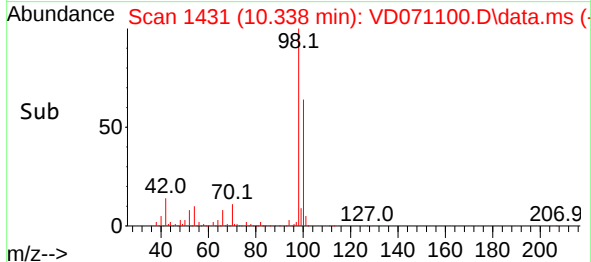
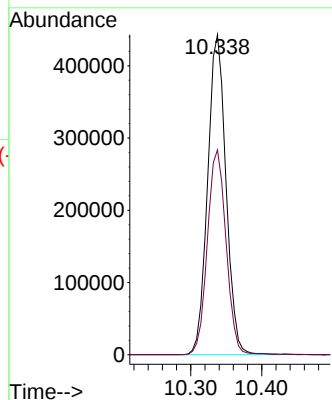
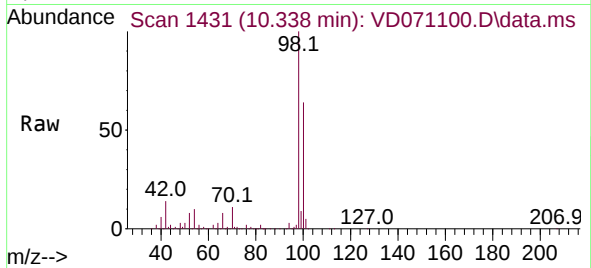




#50
Toluene-d8
Concen: 53.372 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

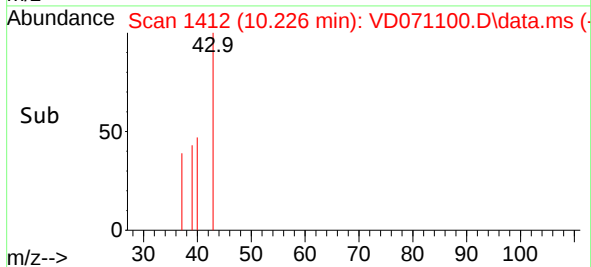
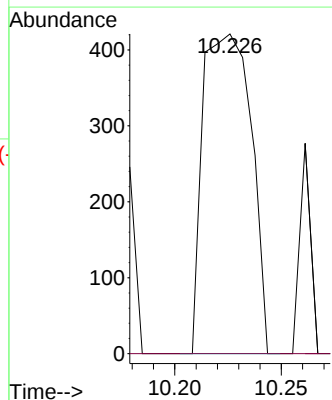
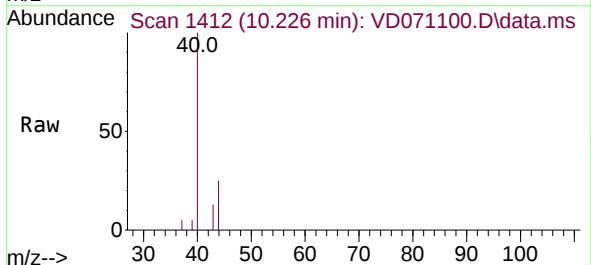
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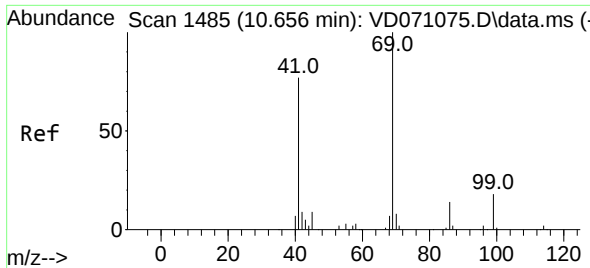
Tgt Ion: 98 Resp: 796726
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.859 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

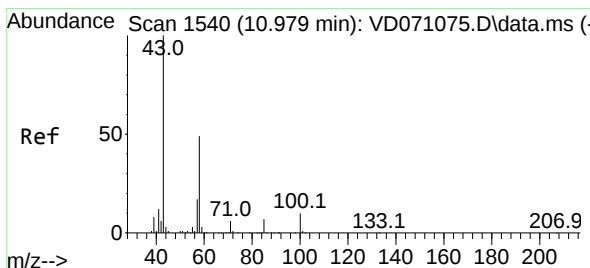
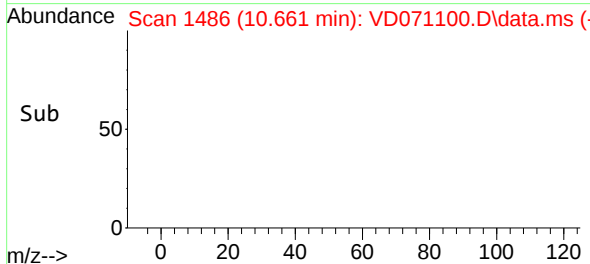
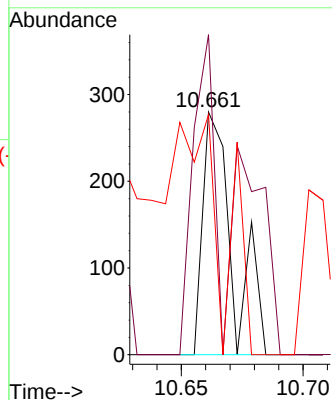
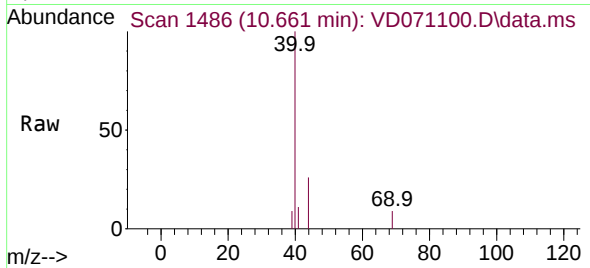




#56
Ethyl methacrylate
Concen: 6.022 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

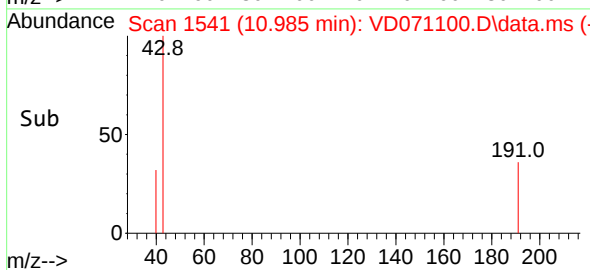
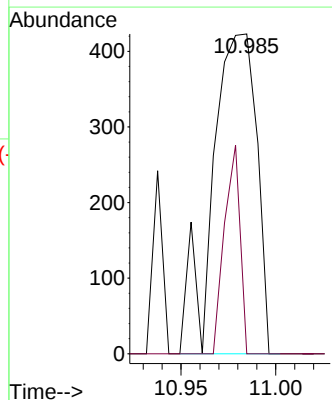
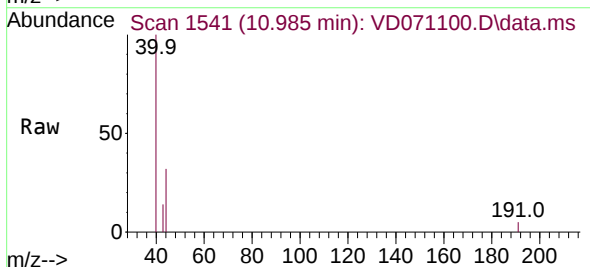
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-1

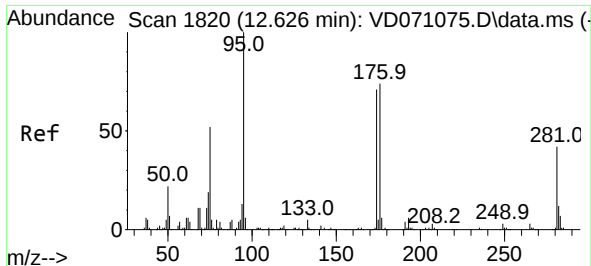
Tgt Ion: 69 Resp: 237
Ion Ratio Lower Upper
69 100
41 94.1 50.2 75.2#
39 150.6 19.8 29.8#



#59
2-Hexanone
Concen: 34.854 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
58 23.0 28.7 86.1#

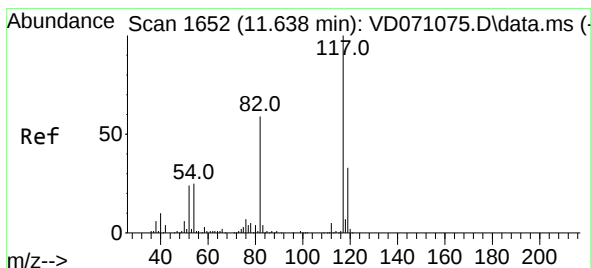
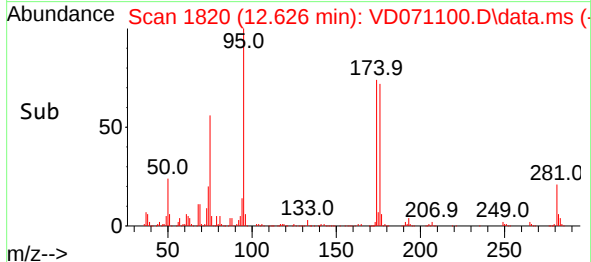
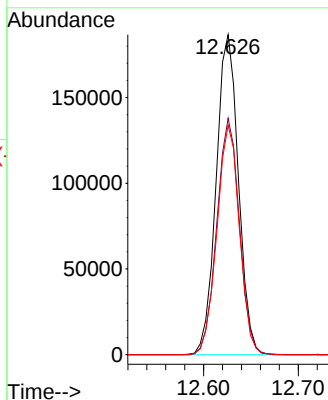
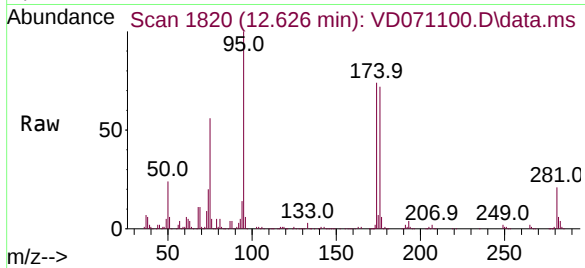




#62
4-Bromofluorobenzene
Concen: 58.900 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

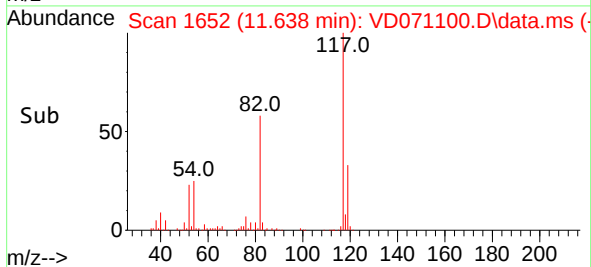
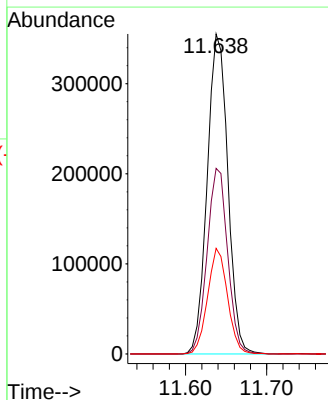
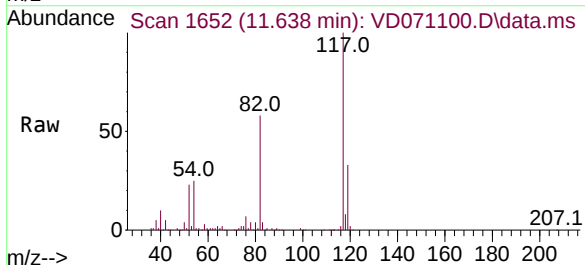
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-1

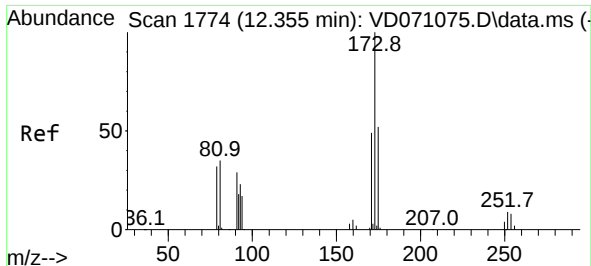
Tgt Ion: 95 Resp: 304778
Ion Ratio Lower Upper
95 100
174 74.7 0.0 159.4
176 72.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

Tgt Ion: 117 Resp: 627344
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 33.0 26.2 39.4

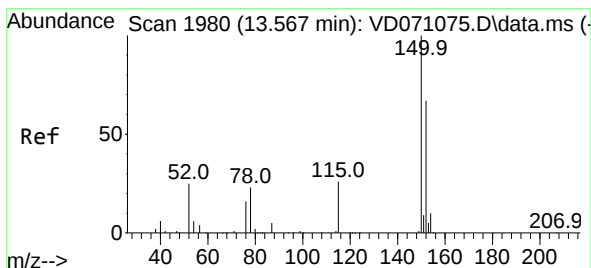
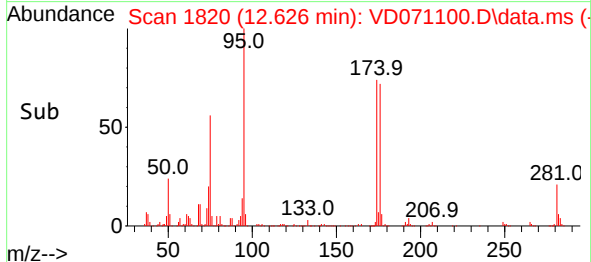
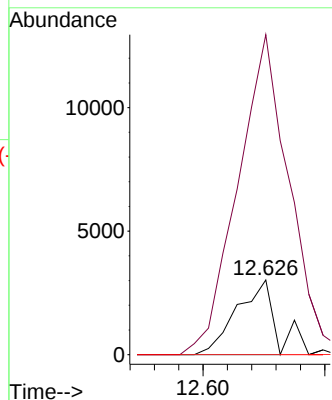
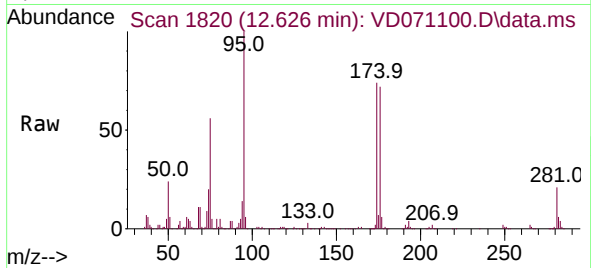




#71
Bromoform
Concen: 1.339 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

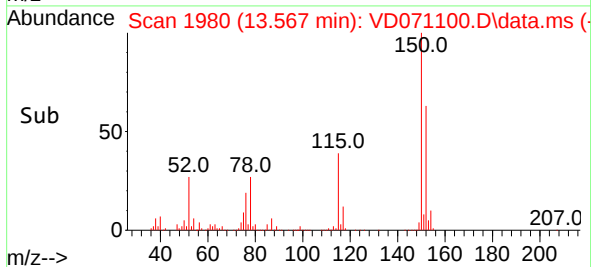
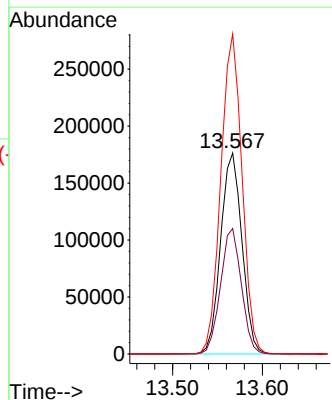
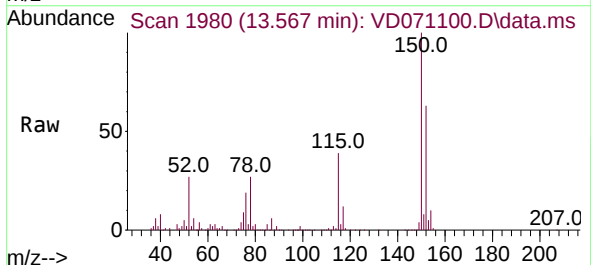
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-1

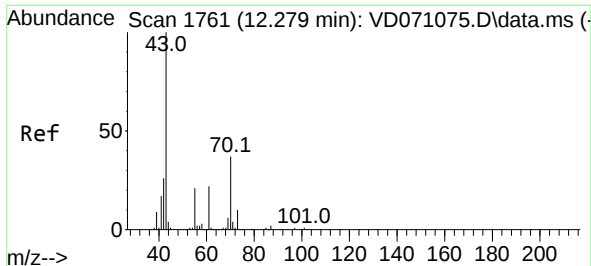
Tgt Ion:173 Resp: 2948
Ion Ratio Lower Upper
173 100
175 526.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

Tgt Ion:152 Resp: 290677
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 158.2 0.0 349.2

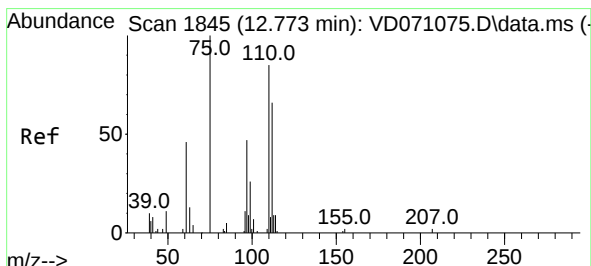
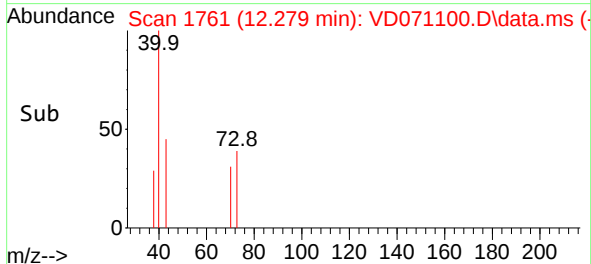
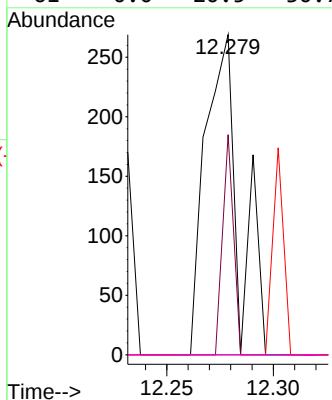
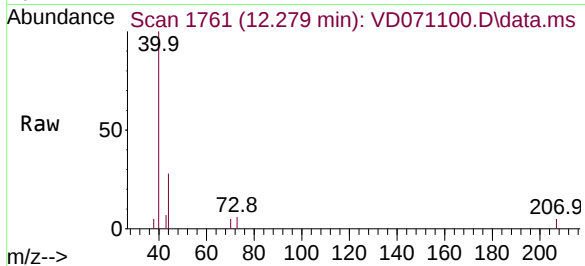




#74
N-amy1 acetate
Concen: 5.747 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

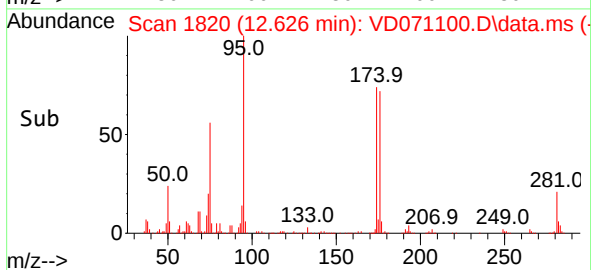
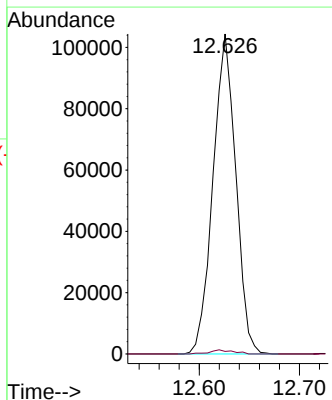
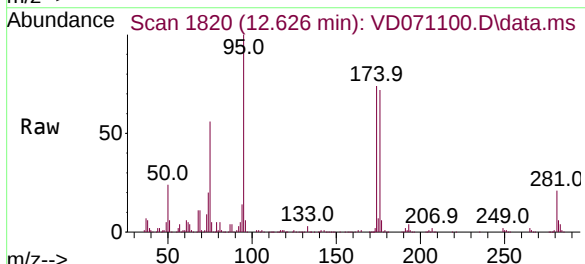
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-1

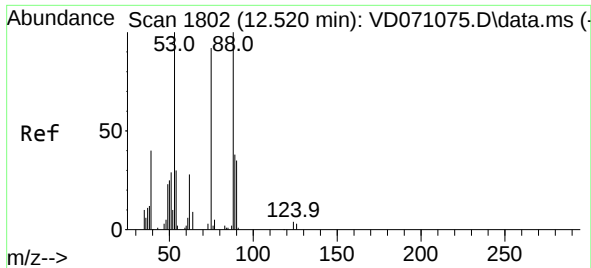
Tgt Ion: 43	Resp: 297
Ion Ratio	Lower Upper
43 100	
70 21.9	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.473 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071100.D
Acq: 01 Dec 2021 12:06

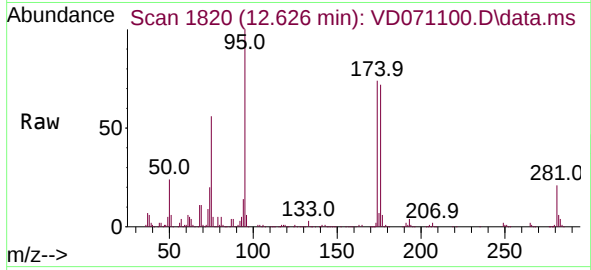
Tgt Ion: 75	Resp: 164708
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.815 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071100.D
 Acq: 01 Dec 2021 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-1



Tgt Ion: 75 Resp: 164708
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.6 34.5 51.7#

