

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121721\
 Data File : VD071380.D
 Acq On : 17 Dec 2021 12:52
 Operator : VA/SY
 Sample : M5116-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

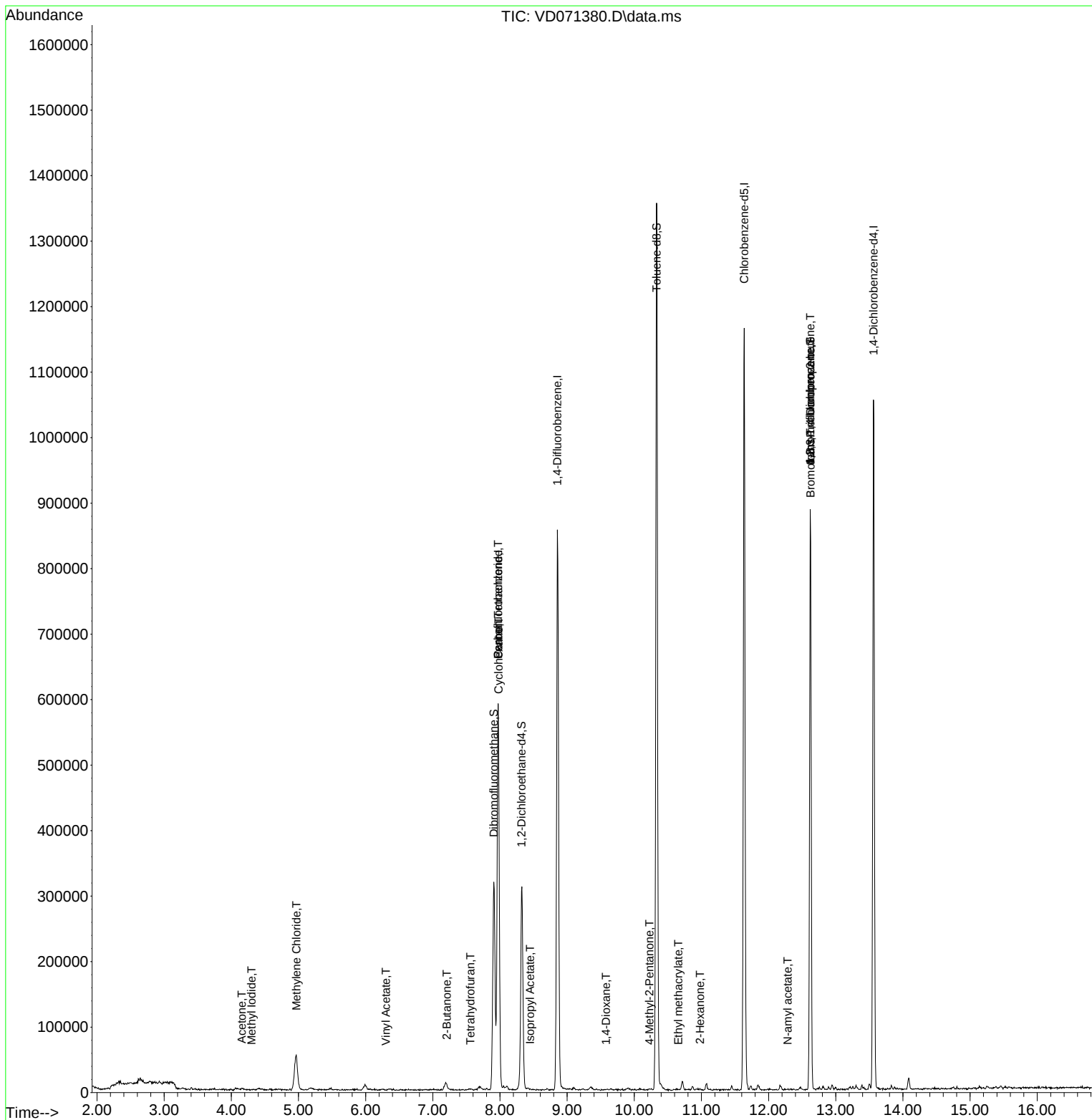
Instrument :
 MSVOA_D
 ClientSampleId :

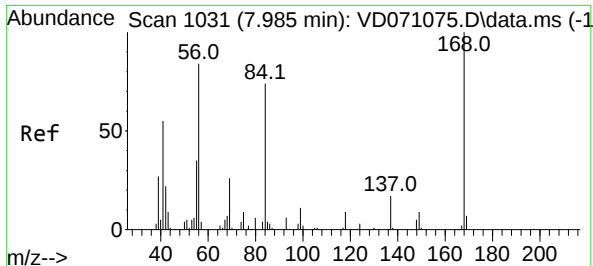
Quant Time: Dec 19 01:52:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	404608	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.856	114	697184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	610514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	254930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	245015	51.608	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.909	113	219405	49.420	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.840%	
50) Toluene-d8	10.332	98	865512	51.229	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	12.620	95	260917	44.552	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.100%	
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	692	4.693	ug/l #	57
11) Tert butyl alcohol	5.185	59	2461	Below Cal	#	71
16) Acetone	4.156	43	4149	33.682	ug/l #	40
20) Methylene Chloride	4.968	84	39477	4.434	ug/l	98
23) Vinyl Acetate	6.303	43	270	27.249	ug/l #	72
25) 2-Butanone	7.209	43	352	28.573	ug/l #	88
29) Tetrahydrofuran	7.561	42	892	1.183	ug/l #	57
31) Cyclohexane	7.979	56	12858	1.592	ug/l #	38
38) Carbon Tetrachloride	7.973	117	42431	6.606	ug/l #	16
41) Methacrylonitrile	7.514	41	199	Below Cal	#	12
43) Isopropyl Acetate	8.450	43	168	5.247	ug/l #	47
49) 1,4-Dioxane	9.579	88	72	3.089	ug/l #	23
51) 4-Methyl-2-Pentanone	10.226	43	1264	31.001	ug/l #	34
56) Ethyl methacrylate	10.655	69	118	5.993	ug/l #	28
59) 2-Hexanone	10.979	43	331	34.693	ug/l #	12
71) Bromoform	12.626	173	3358	1.567	ug/l #	1
74) N-amyl acetate	12.285	43	348	5.762	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	151283	62.286	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	151283	134.633	ug/l #	18

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

Quant Time: Dec 19 01:52:22 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

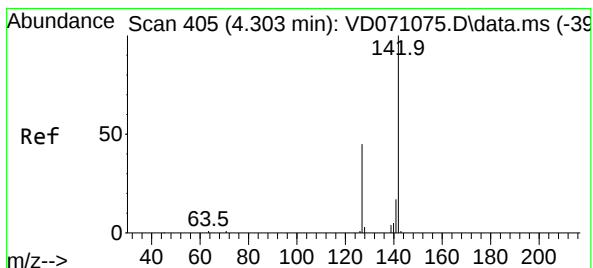
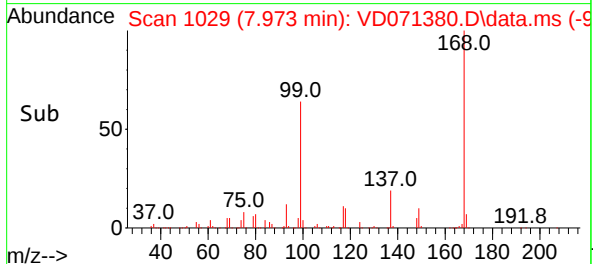
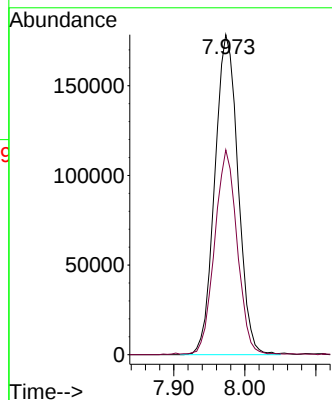
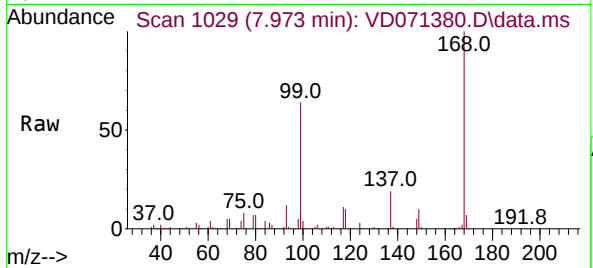




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

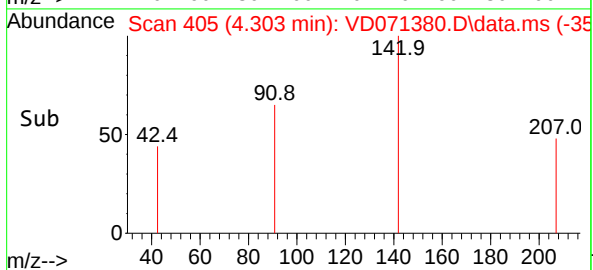
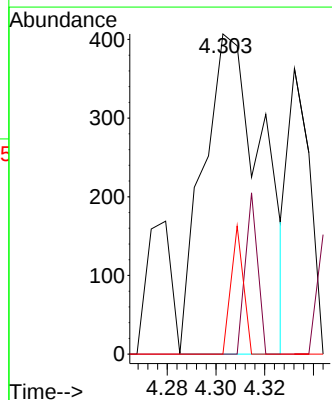
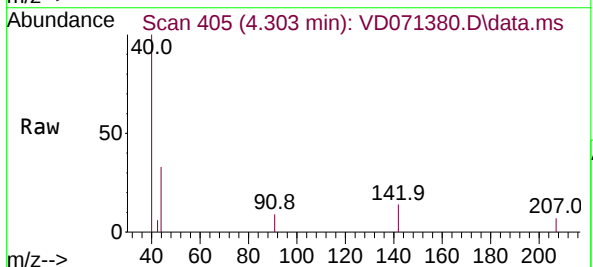
Instrument :
MSVOA_D
ClientSampleId :

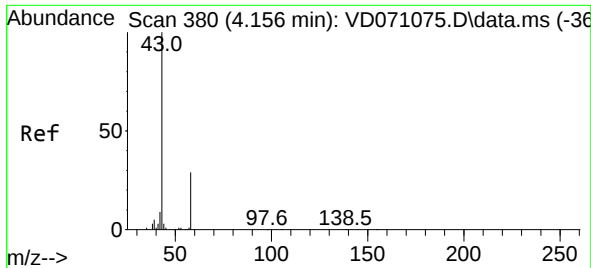
Tgt Ion:168 Resp: 404608
Ion Ratio Lower Upper
168 100
99 63.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.693 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

Tgt Ion:142 Resp: 692
Ion Ratio Lower Upper
142 100
127 10.4 35.0 52.4#
141 8.4 12.0 18.0#

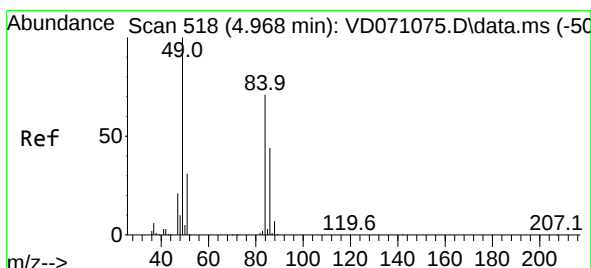
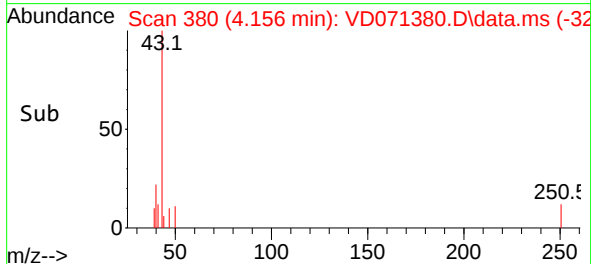
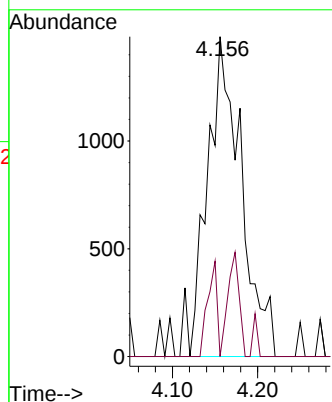
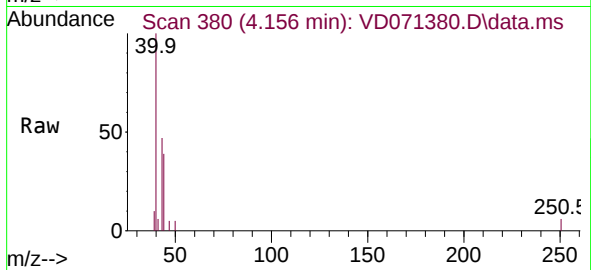




#16
Acetone
Concen: 33.682 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

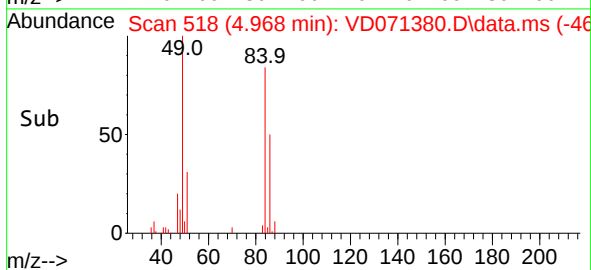
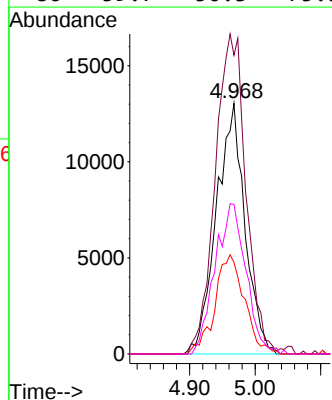
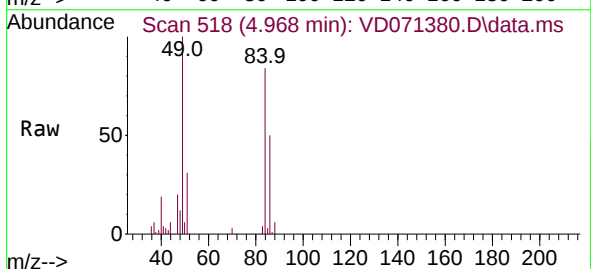
Instrument :
MSVOA_D
ClientSampleId :

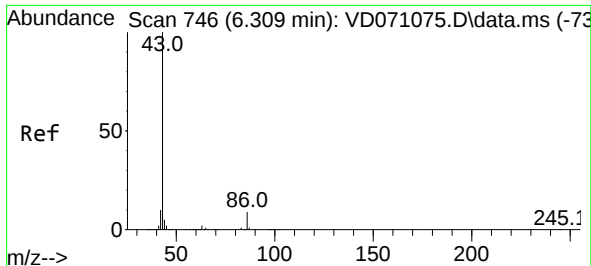
Tgt Ion: 43 Resp: 4149
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 4.434 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

Tgt Ion: 84 Resp: 39477
Ion Ratio Lower Upper
84 100
49 119.2 95.8 143.6
51 36.5 30.9 46.3
86 59.7 50.3 75.5

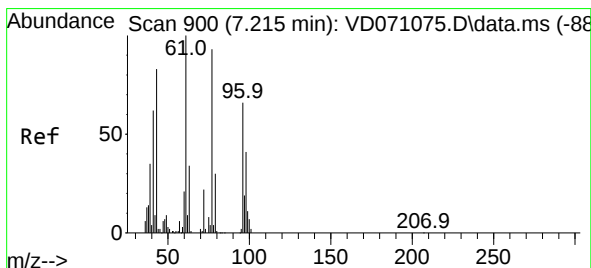
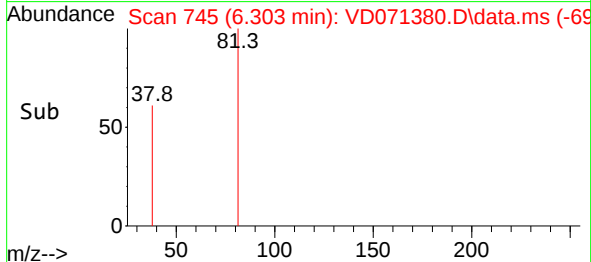
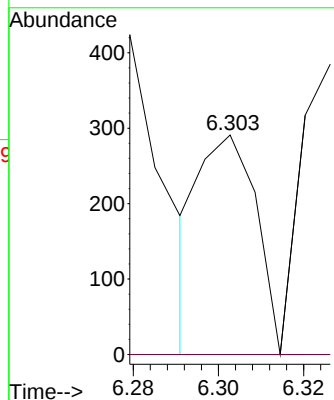
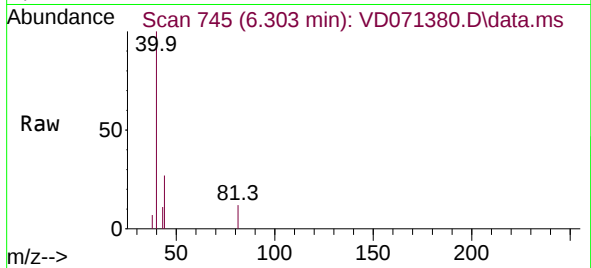




#23
Vinyl Acetate
Concen: 27.249 ug/l
RT: 6.303 min Scan# 746
Delta R.T. -0.006 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

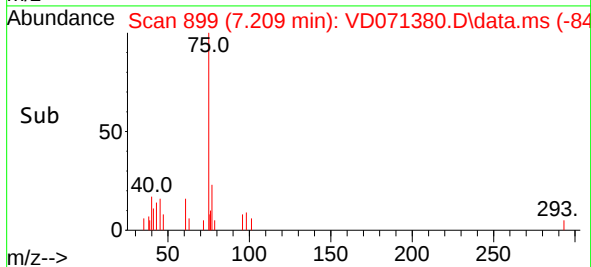
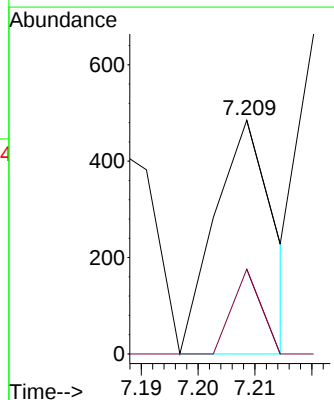
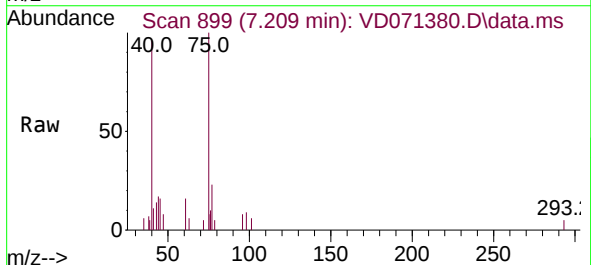
Instrument :
MSVOA_D
ClientSampleId :

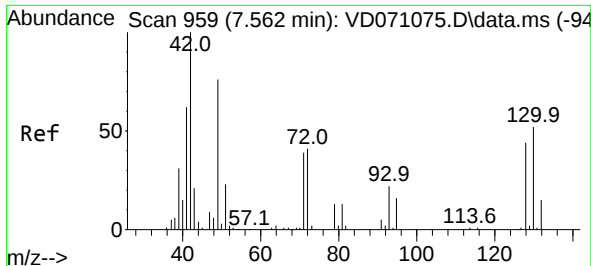
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



#25
2-Butanone
Concen: 28.573 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
72 36.3 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.183 ug/l

RT: 7.561 min Scan# 91

Delta R.T. -0.001 min

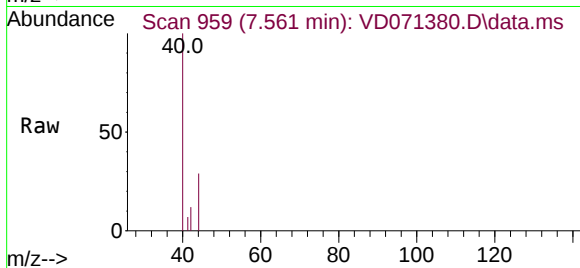
Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

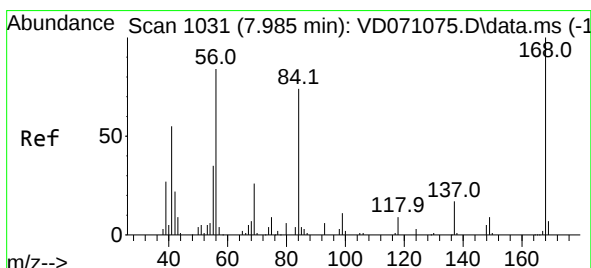
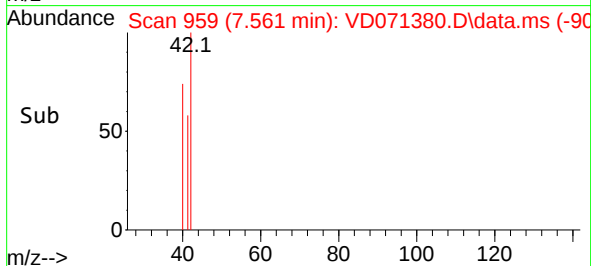
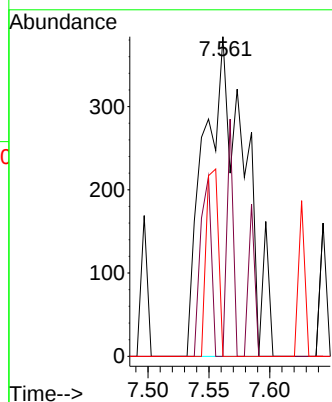
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 892
Ion Ratio	Lower Upper
42	100
72	11.3 33.7 50.5#
71	17.5 32.7 49.1#



#31

Cyclohexane

Concen: 1.592 ug/l

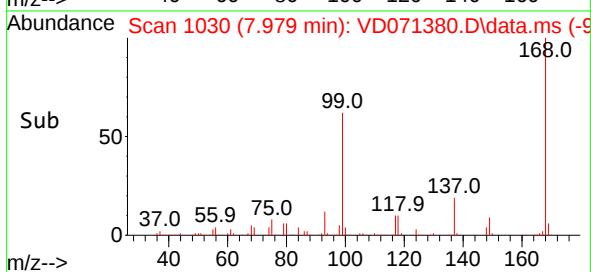
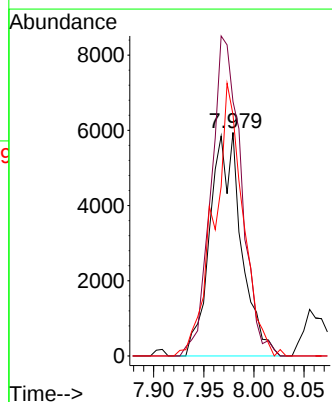
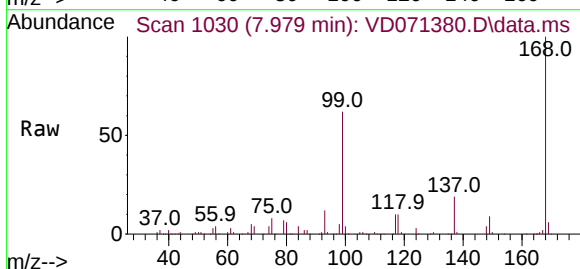
RT: 7.979 min Scan# 1030

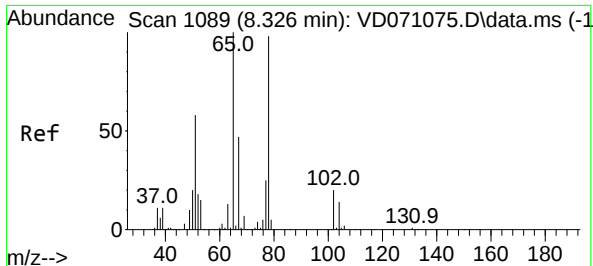
Delta R.T. -0.006 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

Tgt Ion: 56	Resp: 12858
Ion Ratio	Lower Upper
56	100
69	113.9 25.9 38.9#
84	105.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 51.608 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

Instrument :

MSVOA_D

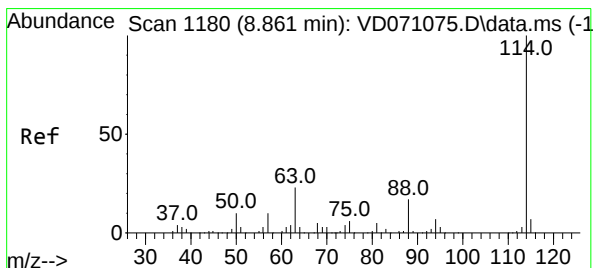
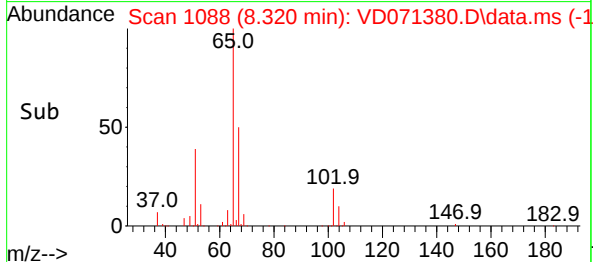
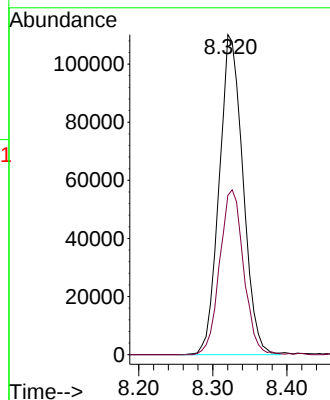
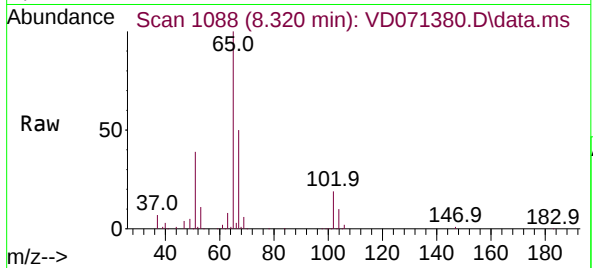
ClientSampleId :

Tgt Ion: 65 Resp: 245015

Ion Ratio Lower Upper

65 100

67 51.8 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

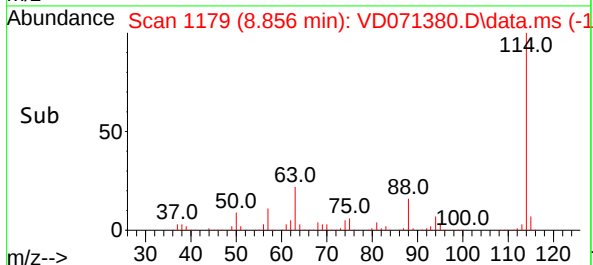
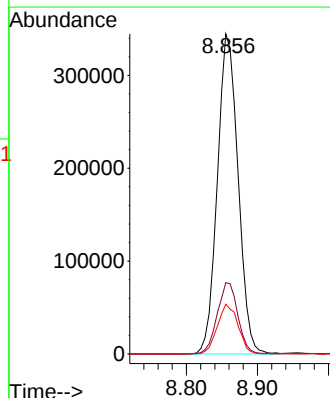
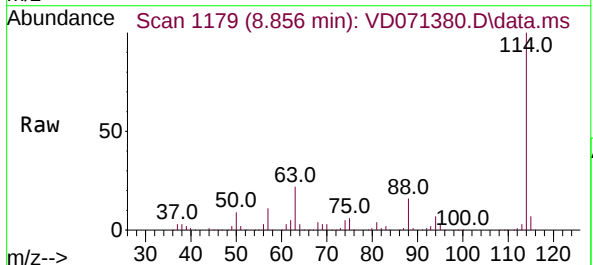
Tgt Ion: 114 Resp: 697184

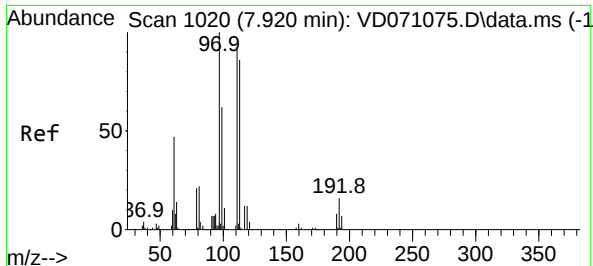
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.420 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

Instrument :

MSVOA_D

ClientSampleId :

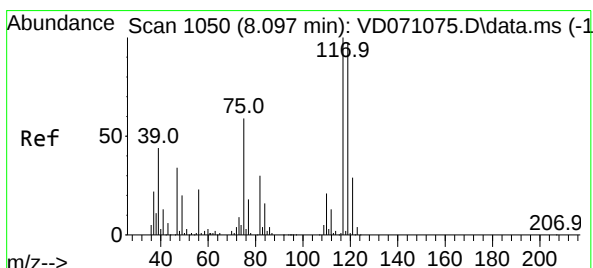
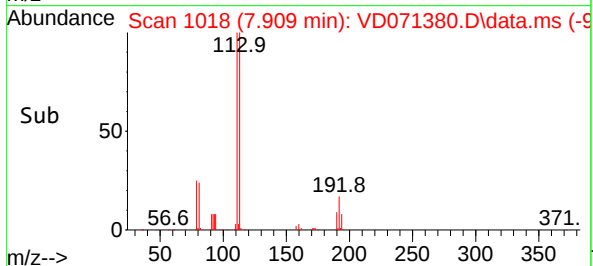
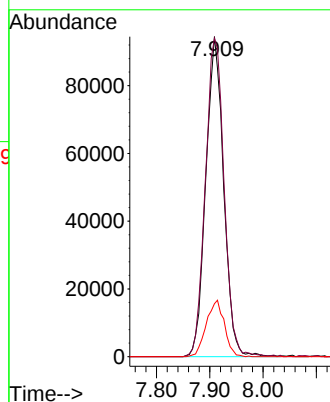
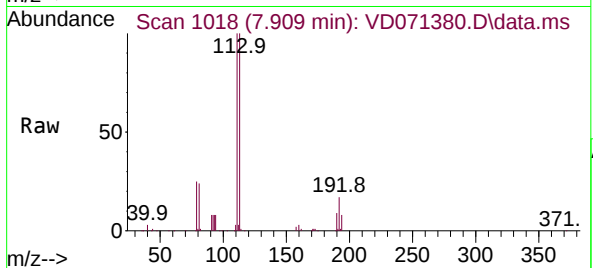
Tgt Ion:113 Resp: 219405

Ion Ratio Lower Upper

113 100

111 104.6 82.0 123.0

192 17.9 15.2 22.8



#38

Carbon Tetrachloride

Concen: 6.606 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

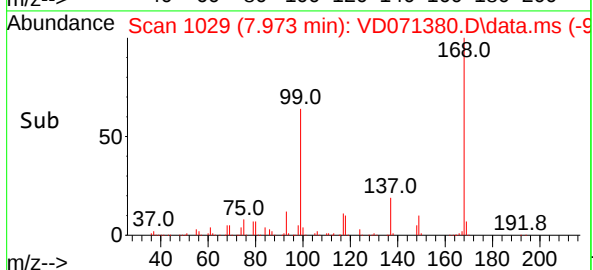
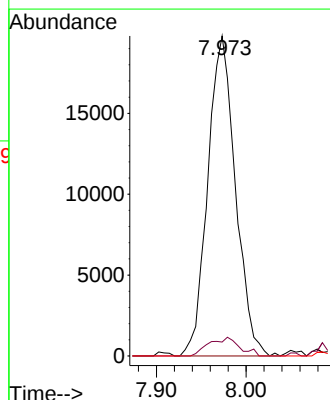
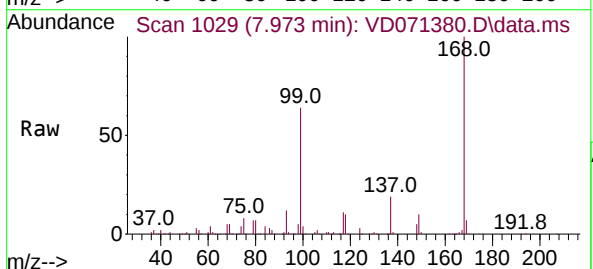
Tgt Ion:117 Resp: 42431

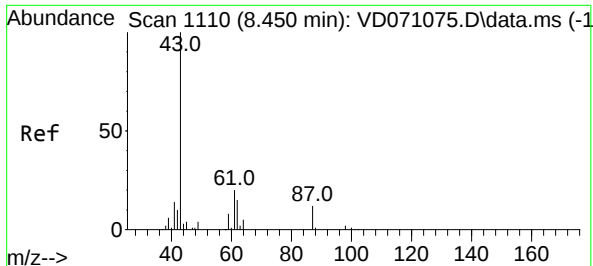
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.247 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.000 min

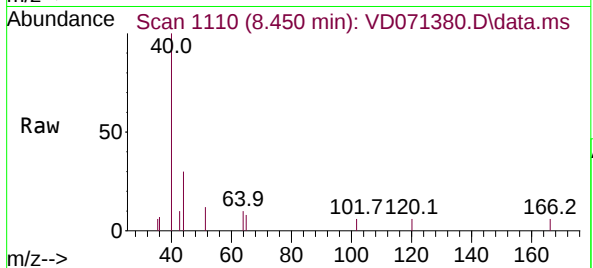
Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

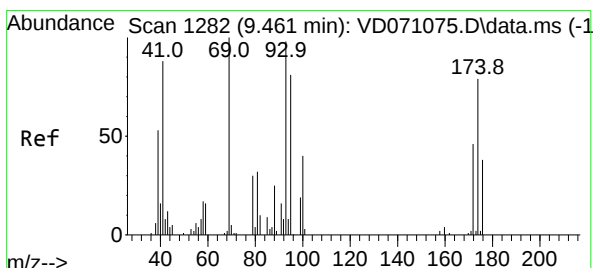
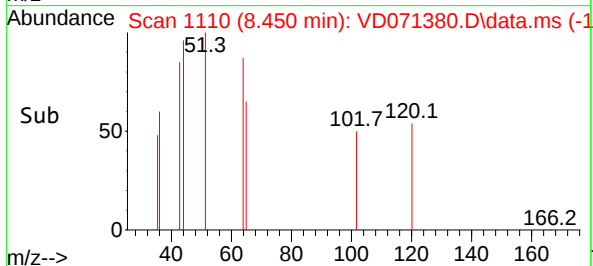
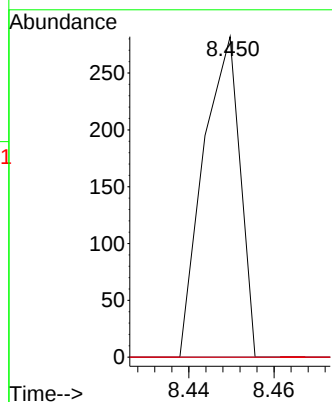
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	168
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: 3.089 ug/l

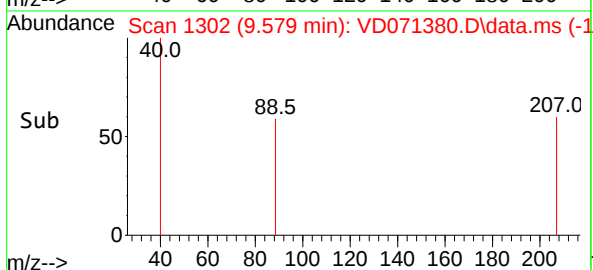
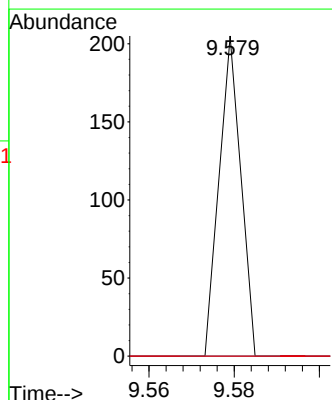
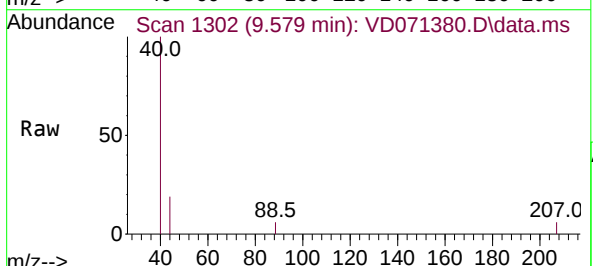
RT: 9.579 min Scan# 1302

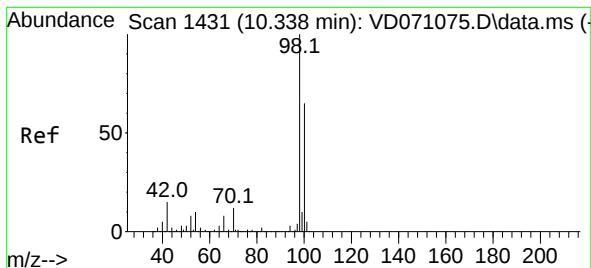
Delta R.T. 0.118 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

Tgt Ion:	88	Resp:	72
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.9	43.3#
58	0.0	56.3	84.5#





#50

Toluene-d8

Concen: 51.229 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071380.D

Acq: 17 Dec 2021 12:52

Instrument :

MSVOA_D

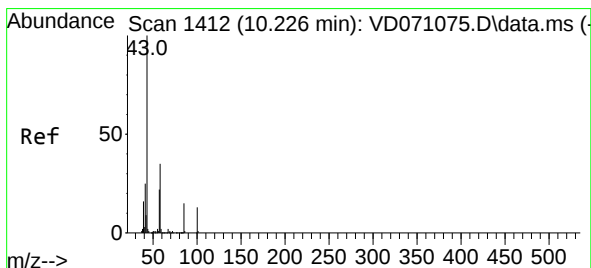
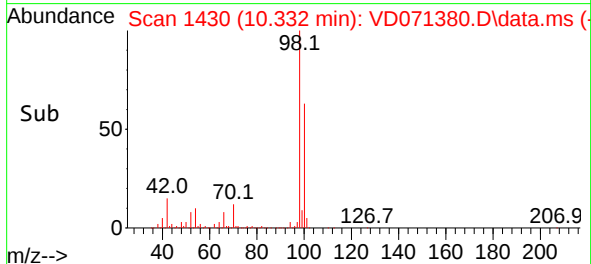
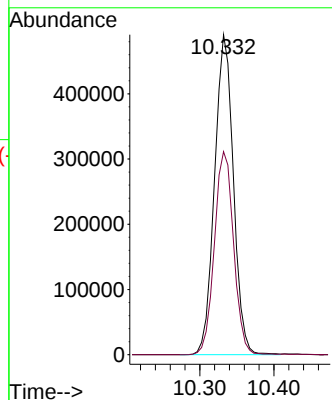
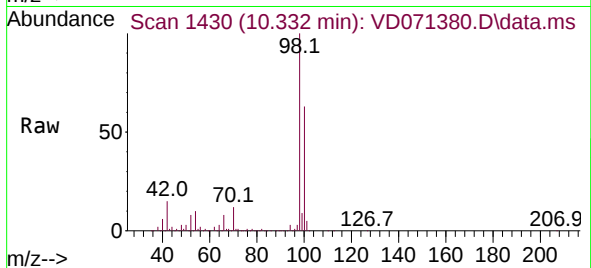
ClientSampleId :

Tgt Ion: 98 Resp: 865512

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 31.001 ug/l

RT: 10.226 min Scan# 1412

Delta R.T. 0.000 min

Lab File: VD071380.D

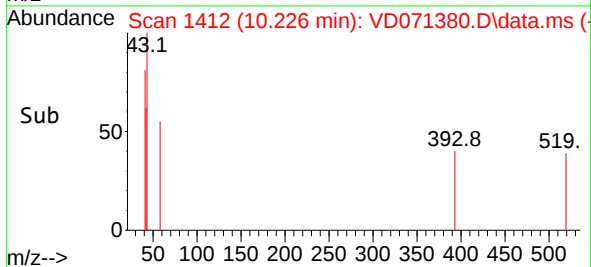
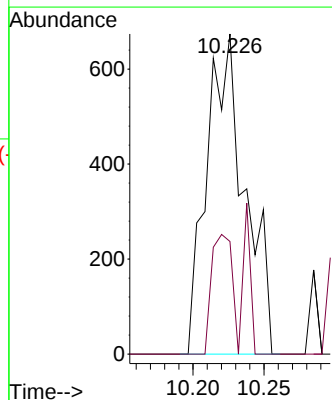
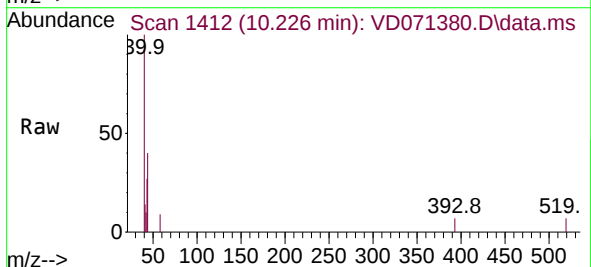
Acq: 17 Dec 2021 12:52

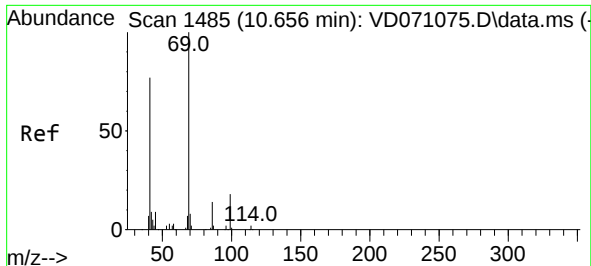
Tgt Ion: 43 Resp: 1264

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#

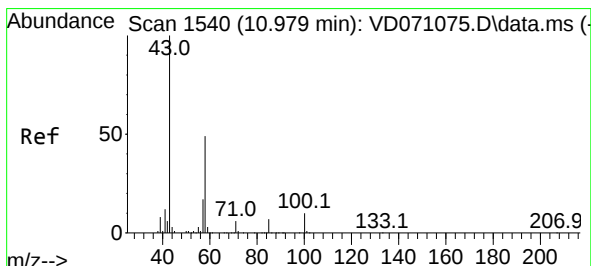
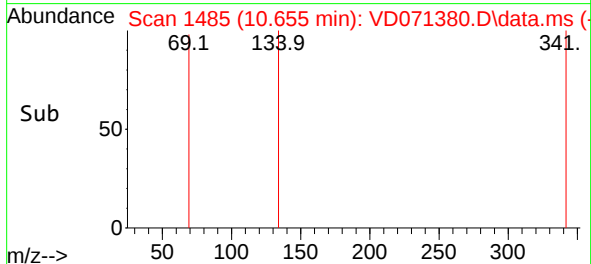
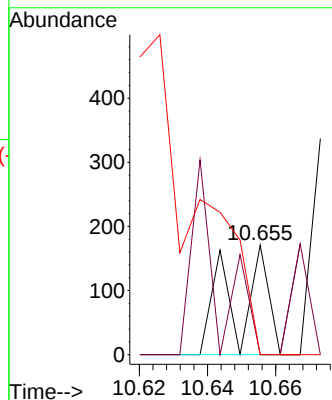
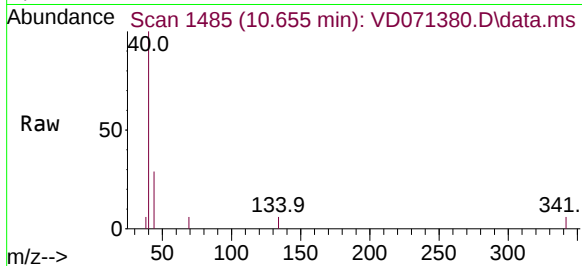




#56
Ethyl methacrylate
Concen: 5.993 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

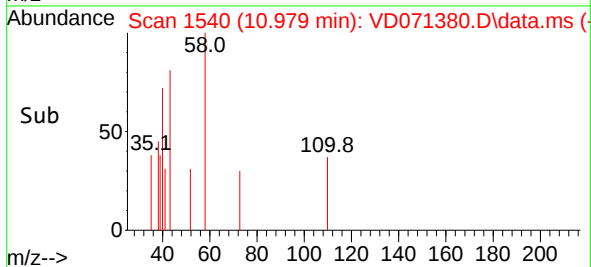
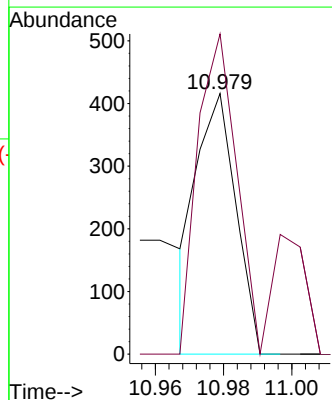
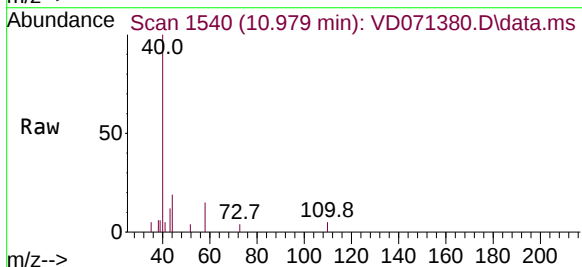
Instrument :
MSVOA_D
ClientSampleId :

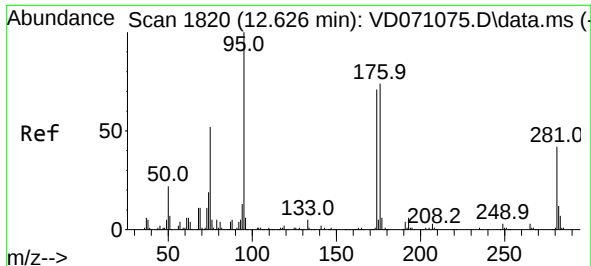
Tgt Ion: 69 Resp: 118
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.693 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 122.7 28.7 86.1#

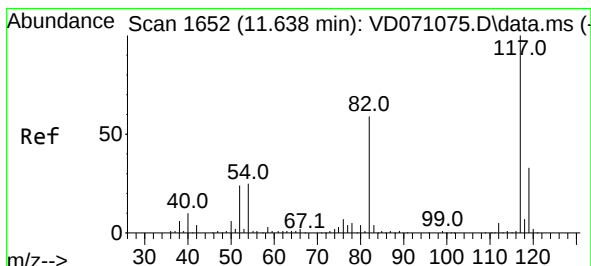
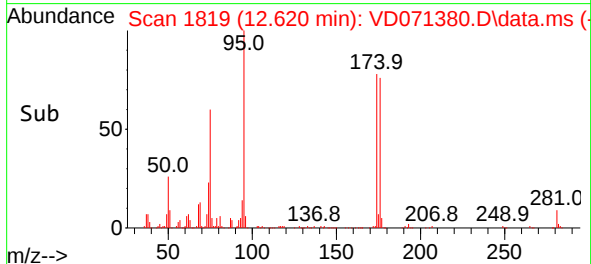
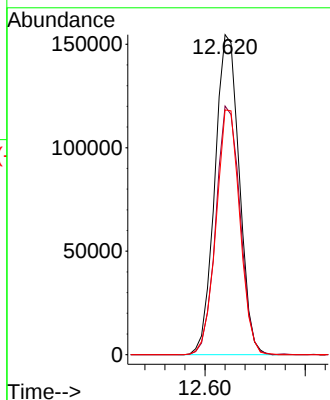
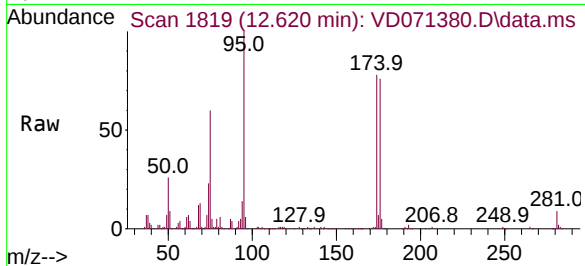




#62
4-Bromofluorobenzene
Concen: 44.552 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

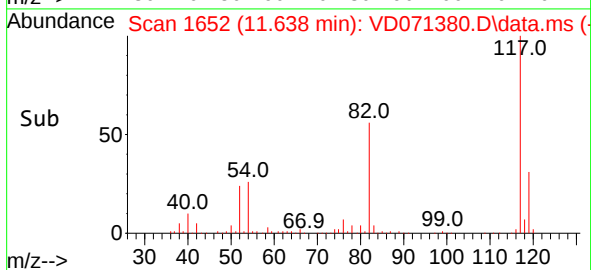
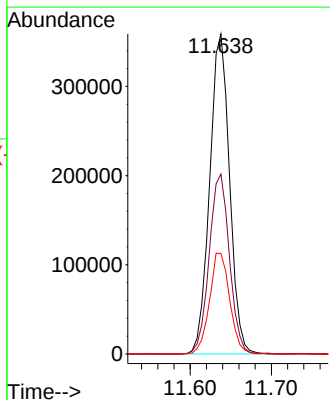
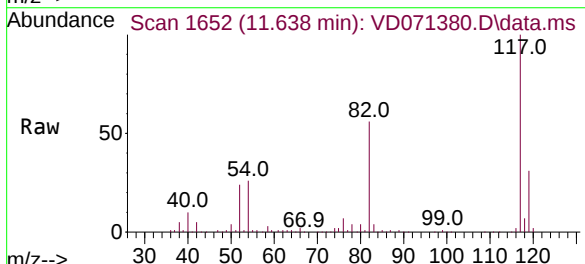
Instrument :
MSVOA_D
ClientSampleId :

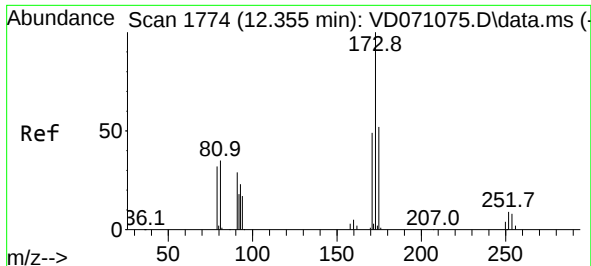
Tgt Ion: 95 Resp: 260917
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.4
176 74.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

Tgt Ion: 117 Resp: 610514
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 31.4 26.2 39.4

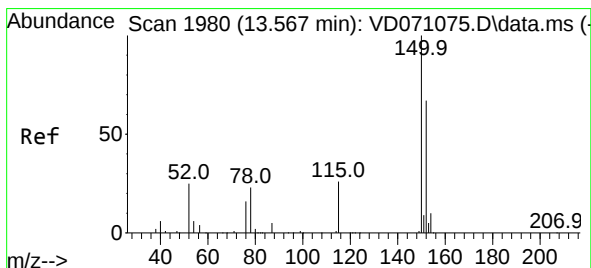
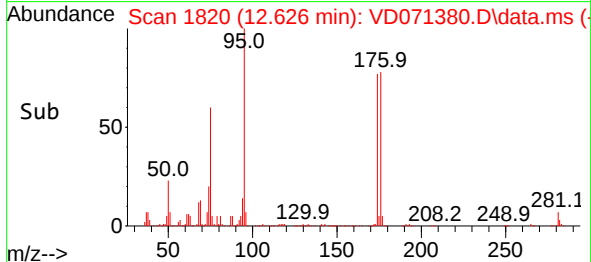
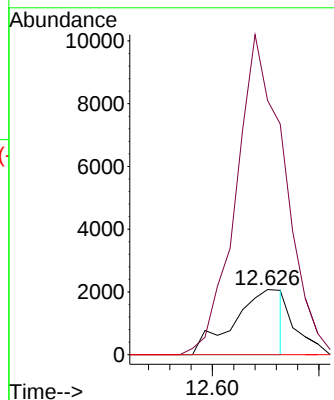
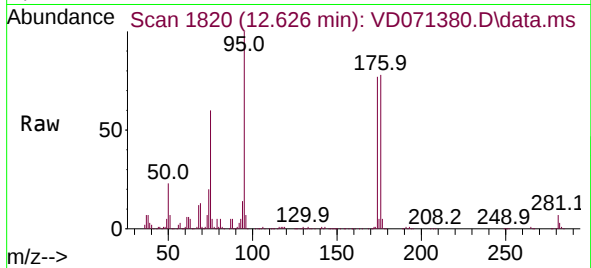




#71
Bromoform
Concen: 1.567 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

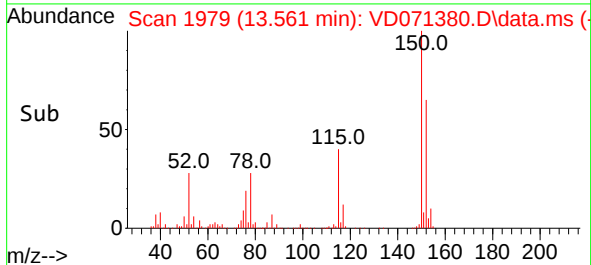
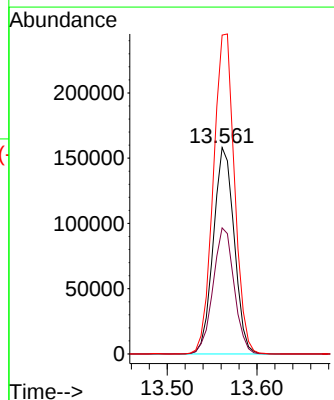
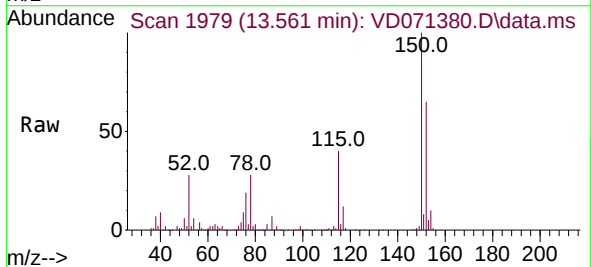
Instrument :
MSVOA_D
ClientSampleId :

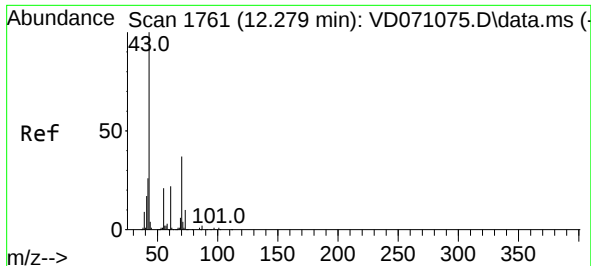
Tgt Ion:173 Resp: 3358
Ion Ratio Lower Upper
173 100
175 411.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

Tgt Ion:152 Resp: 254930
Ion Ratio Lower Upper
152 100
115 61.9 29.8 89.3
150 157.6 0.0 349.2

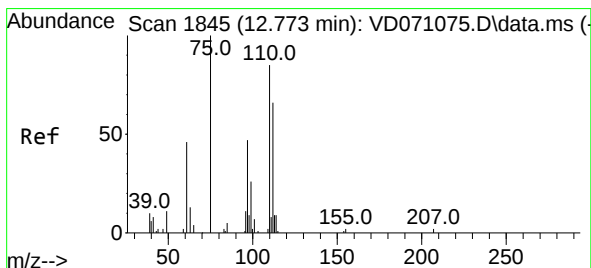
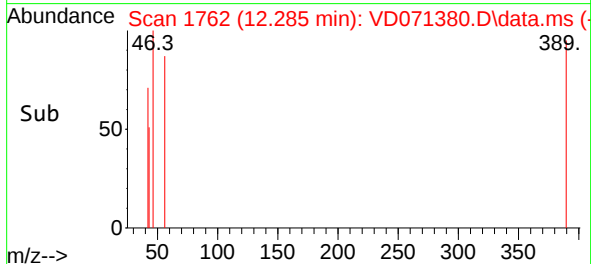
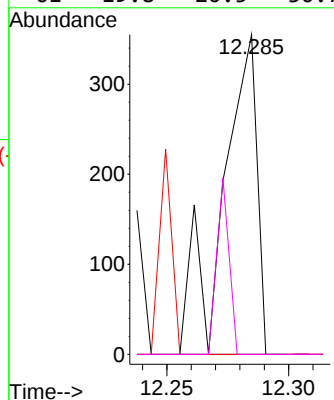
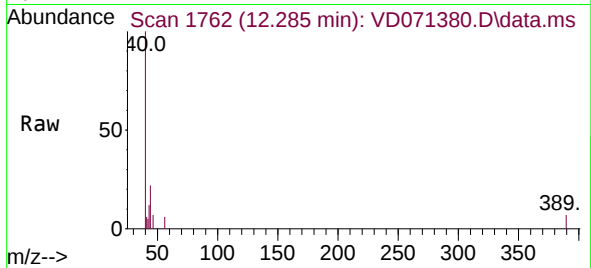




#74
N-amy1 acetate
Concen: 5.762 ug/l
RT: 12.285 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

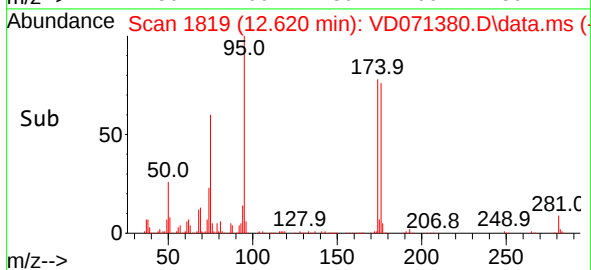
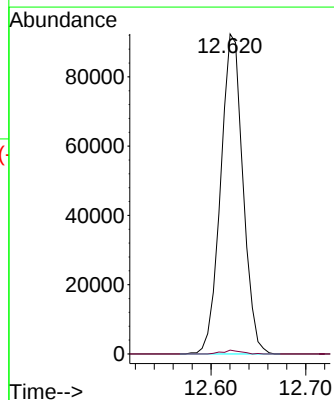
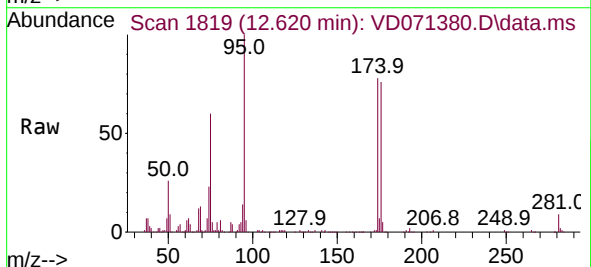
Instrument :
MSVOA_D
ClientSampleId :

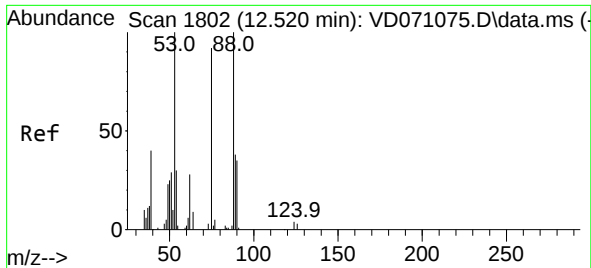
Tgt Ion: 43	Resp: 348
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 19.8	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 62.286 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071380.D
Acq: 17 Dec 2021 12:52

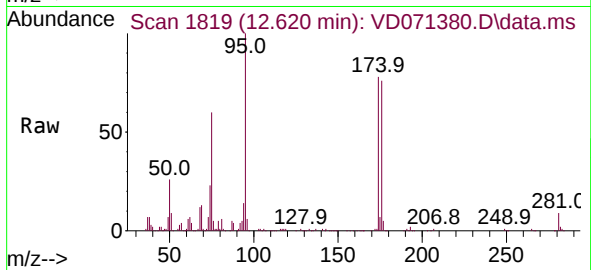
Tgt Ion: 75	Resp: 151283
Ion Ratio	Lower Upper
75 100	
77 1.0	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.633 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071380.D
 Acq: 17 Dec 2021 12:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 151283
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

