

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071317.D
 Acq On : 14 Dec 2021 13:35
 Operator : VA/SY
 Sample : M5030-01RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:28:40 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

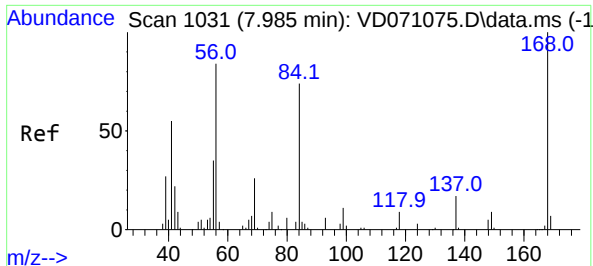
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	116716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	206374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	244572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	128715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	87454	63.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.720%	
35) Dibromofluoromethane	7.914	113	74729	56.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.720%	
50) Toluene-d8	10.332	98	267144	53.417	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.840%	
62) 4-Bromofluorobenzene	12.620	95	122410	70.612	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 141.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1068	1.008	ug/l #	77
11) Tert butyl alcohol	5.185	59	16937	171.750	ug/l #	74
16) Acetone	4.167	43	1417	34.213	ug/l #	88
23) Vinyl Acetate	6.320	43	58	27.241	ug/l #	72
25) 2-Butanone	7.202	43	2200	33.003	ug/l #	45
26) 2,2-Dichloropropane	7.179	77	2433	1.128	ug/l #	52
31) Cyclohexane	7.973	56	3393	1.457	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	10992	5.699	ug/l #	46
38) Carbon Tetrachloride	7.973	117	12764	6.713	ug/l #	19
41) Methacrylonitrile	7.508	41	105	Below Cal	#	1
43) Isopropyl Acetate	8.473	43	223	5.332	ug/l #	47
49) 1,4-Dioxane	9.532	88	73	10.579	ug/l #	15
51) 4-Methyl-2-Pentanone	10.226	43	484	31.104	ug/l #	34
56) Ethyl methacrylate	10.596	69	55	6.006	ug/l #	28
59) 2-Hexanone	11.120	43	119	34.719	ug/l	98
71) Bromoform	12.626	173	1220	1.421	ug/l #	1
74) N-amyl acetate	12.267	43	77	5.728	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	70907	57.820	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	70907	125.394	ug/l #	18

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

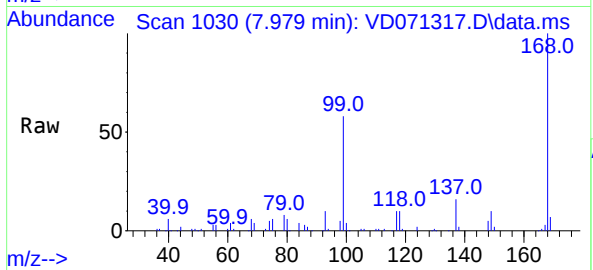
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Quant Title : SW846 8260
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Response via : Initial Calibration



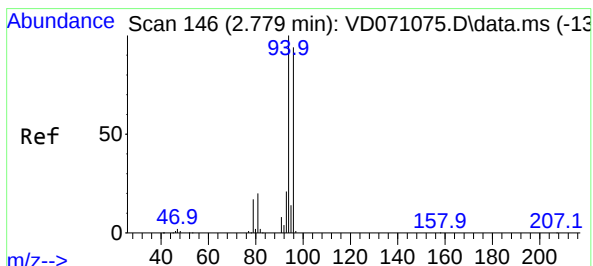
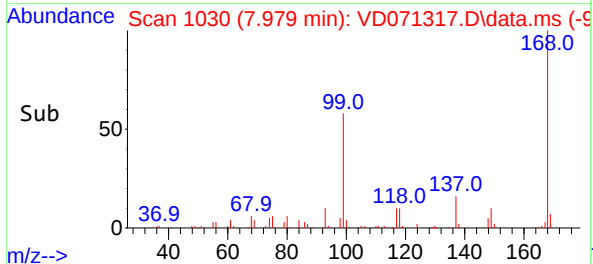
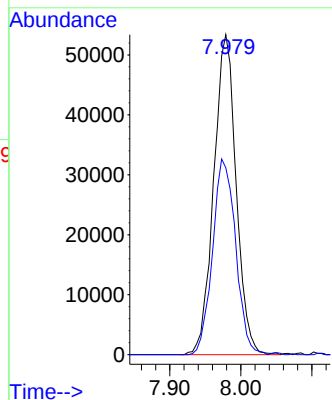


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Instrument :
MSVOA_D
ClientSampleId :

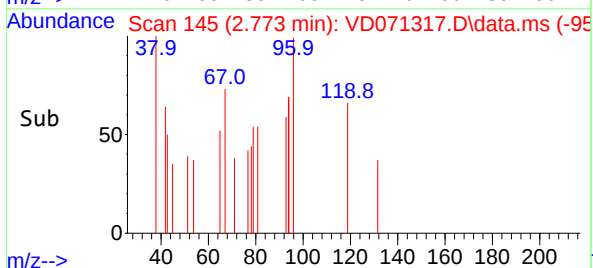
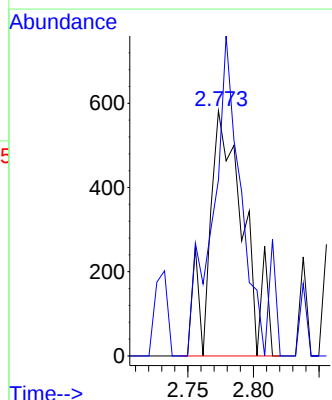
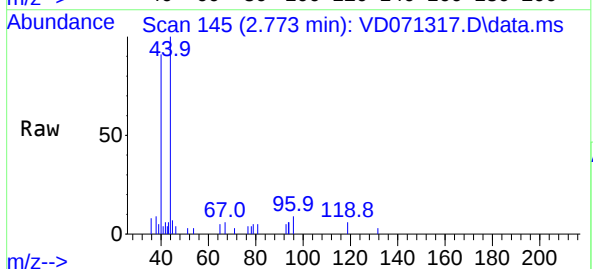


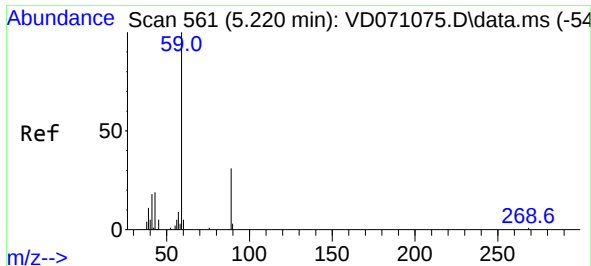
Tgt Ion:168 Resp: 116716
Ion Ratio Lower Upper
168 100
99 58.4 46.6 69.8



#5
Bromomethane
Concen: 1.008 ug/l
RT: 2.773 min Scan# 145
Delta R.T. -0.006 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Tgt Ion: 94 Resp: 1068
Ion Ratio Lower Upper
94 100
96 71.8 74.8 112.2#

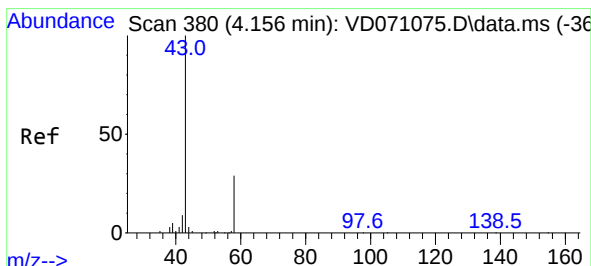
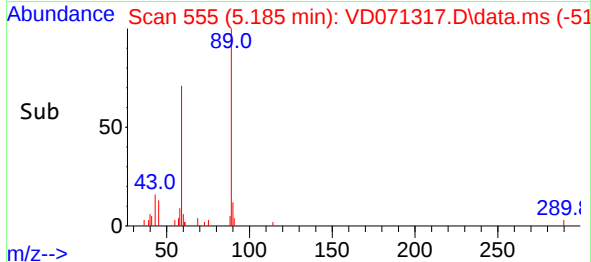
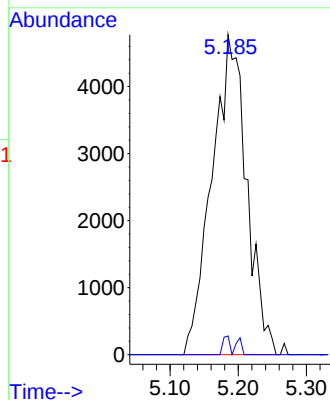
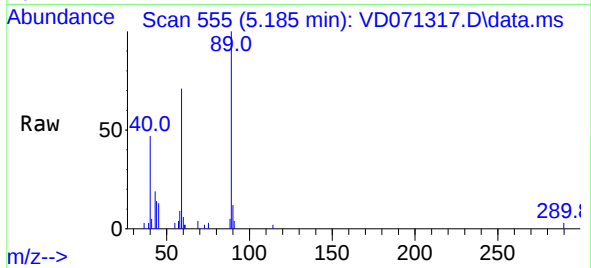




#11
Tert butyl alcohol
Concen: 171.750 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

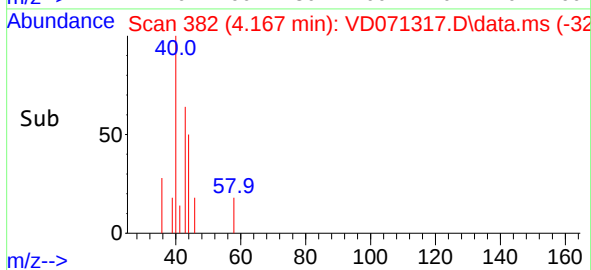
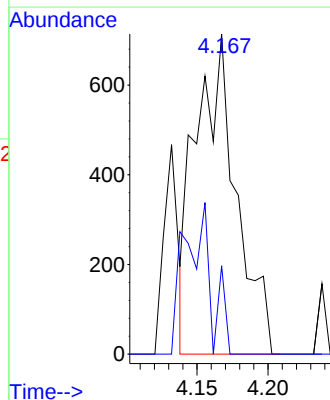
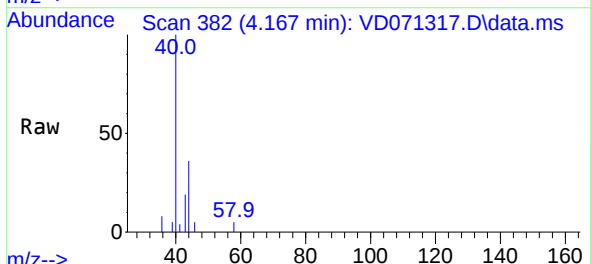
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MSVOA_D
ClientSampleId :

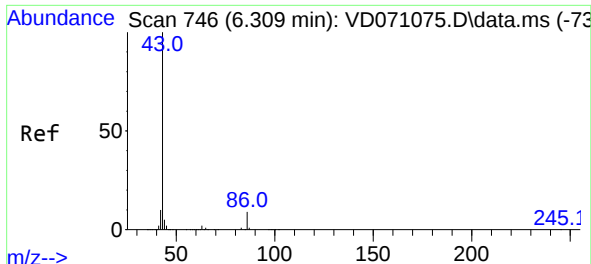
Tgt Ion: 59 Resp: 16937
Ion Ratio Lower Upper
59 100
57 1.1 9.0 13.4#



#16
Acetone
Concen: 34.213 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 27.6 27.8 41.8#

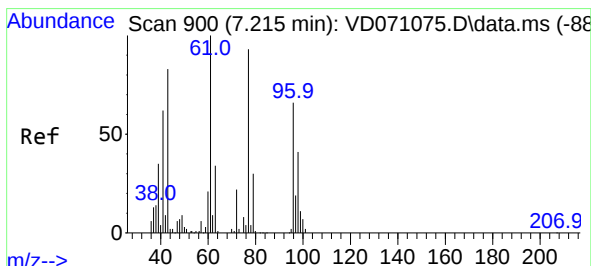
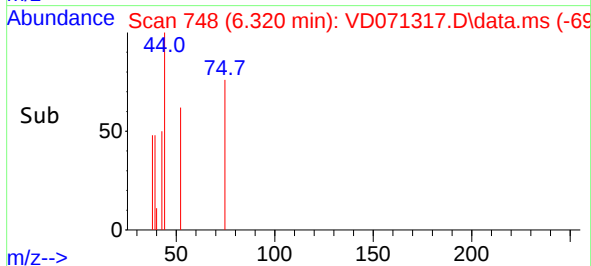
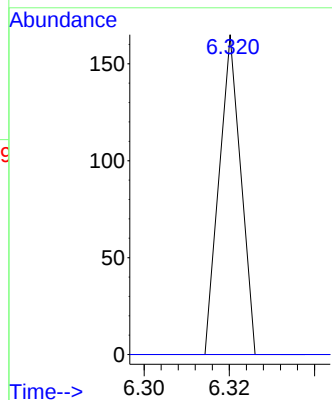
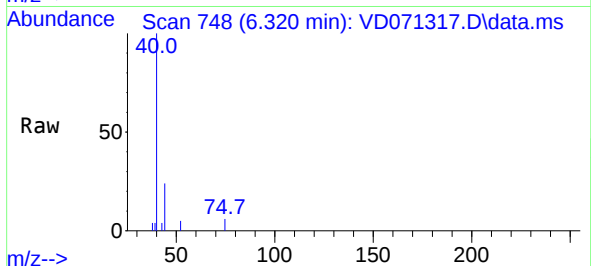




#23
 Vinyl Acetate
 Concen: 27.241 ug/l
 RT: 6.320 min Scan# 746
 Delta R.T. 0.011 min
 Lab File: VD071317.D
 Acq: 14 Dec 2021 13:35

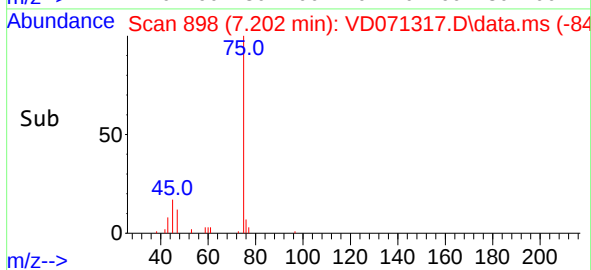
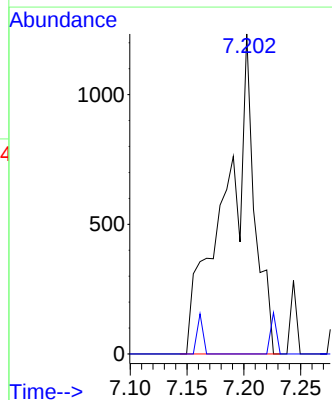
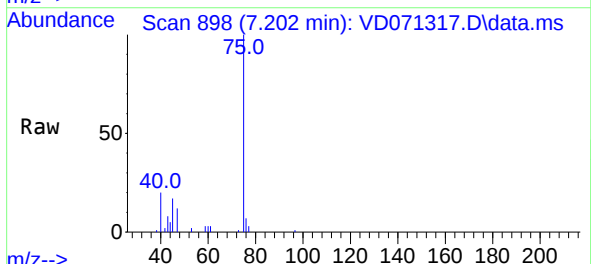
Instrument :
 MSVOA_D
 ClientSampleId :

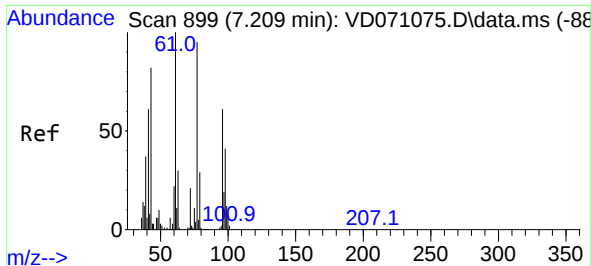
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 33.003 ug/l
 RT: 7.202 min Scan# 898
 Delta R.T. -0.013 min
 Lab File: VD071317.D
 Acq: 14 Dec 2021 13:35

Tgt Ion: 43 Resp: 2200
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#26

2,2-Dichloropropane

Concen: 1.128 ug/l

RT: 7.179 min Scan# 89

Delta R.T. -0.030 min

Lab File: VD071317.D

Acq: 14 Dec 2021 13:35

Instrument :

MSVOA_D

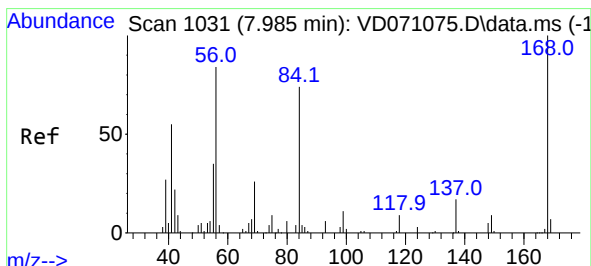
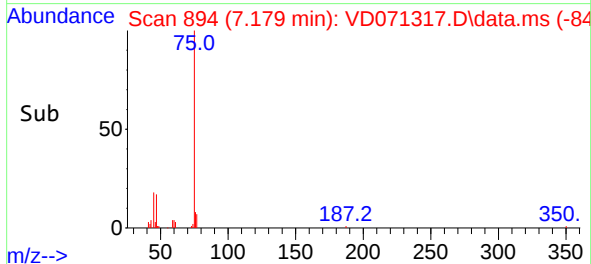
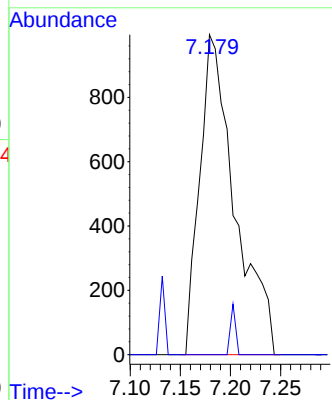
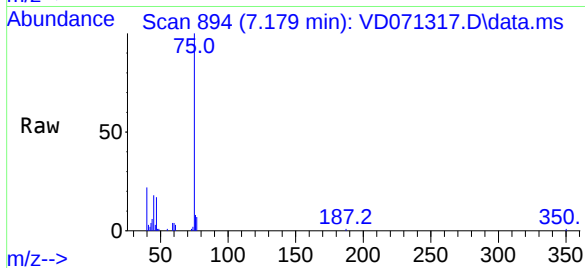
ClientSampleId :

Tgt Ion: 77 Resp: 2433

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#31

Cyclohexane

Concen: 1.457 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071317.D

Acq: 14 Dec 2021 13:35

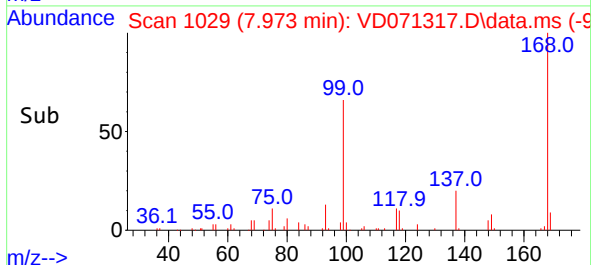
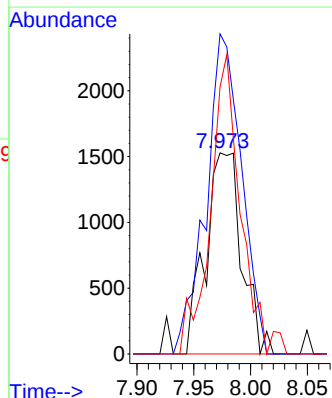
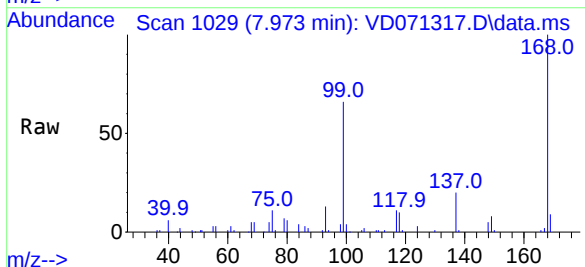
Tgt Ion: 56 Resp: 3393

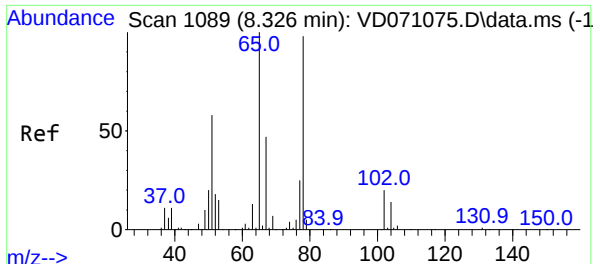
Ion Ratio Lower Upper

56 100

69 159.1 25.9 38.9#

84 132.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 63.857 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071317.D

Acq: 14 Dec 2021 13:35

Instrument :

MSVOA_D

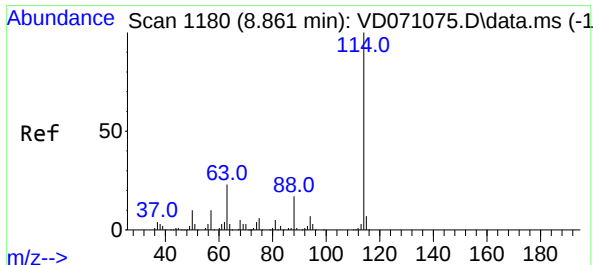
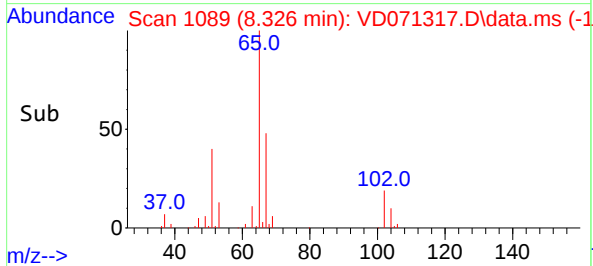
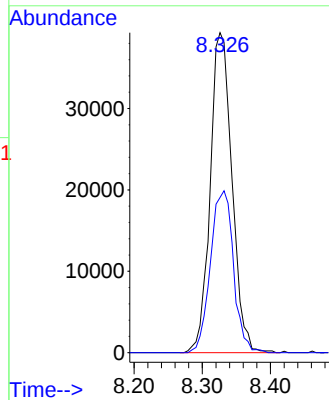
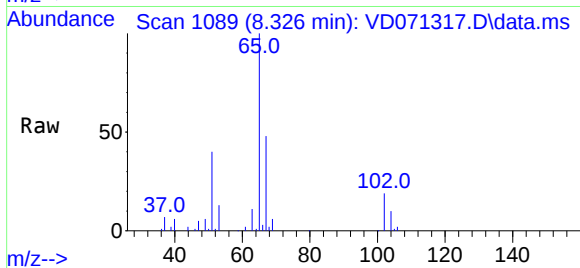
ClientSampleId :

Tgt Ion: 65 Resp: 87454

Ion Ratio Lower Upper

65 100

67 53.5 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: VD071317.D

Acq: 14 Dec 2021 13:35

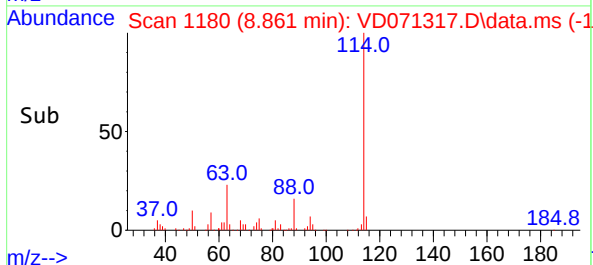
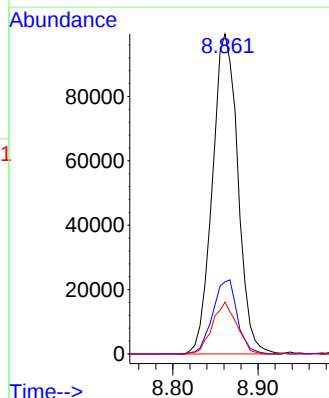
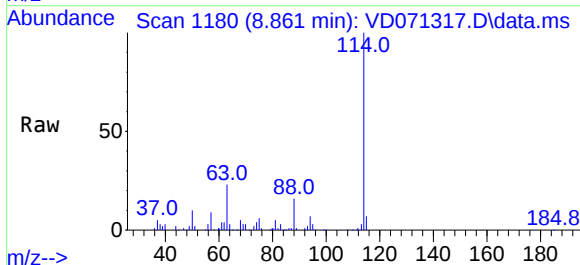
Tgt Ion: 114 Resp: 206374

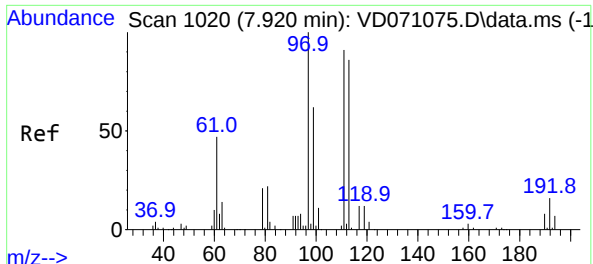
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

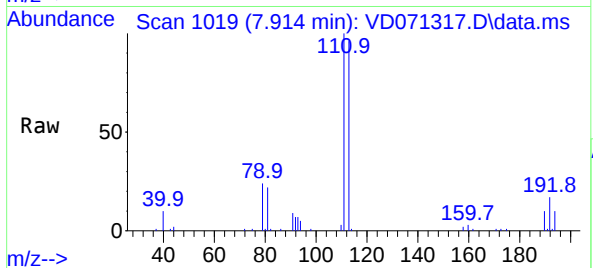
88 16.2 0.0 32.8



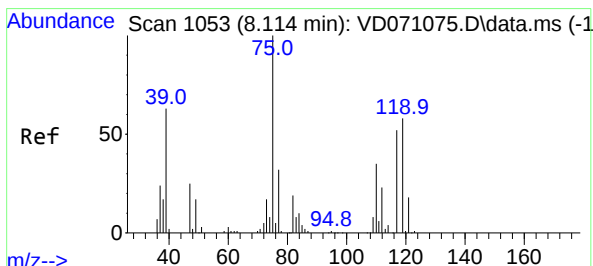
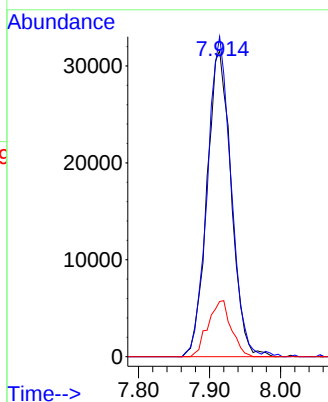
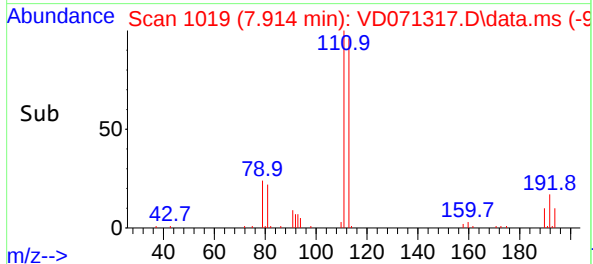


#35
Dibromofluoromethane
Concen: 56.864 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

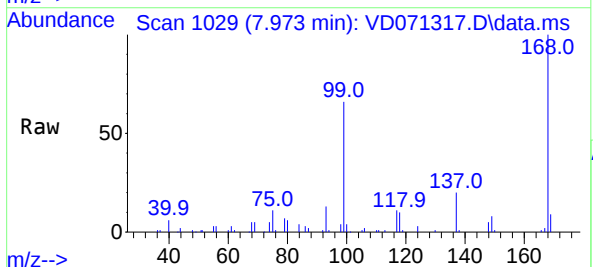
Instrument :
MSVOA_D
ClientSampleId :



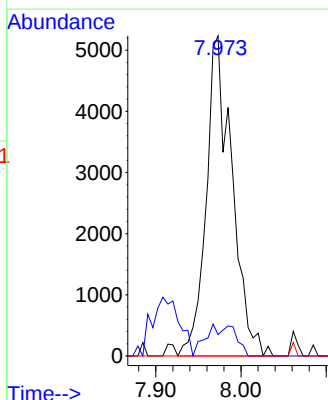
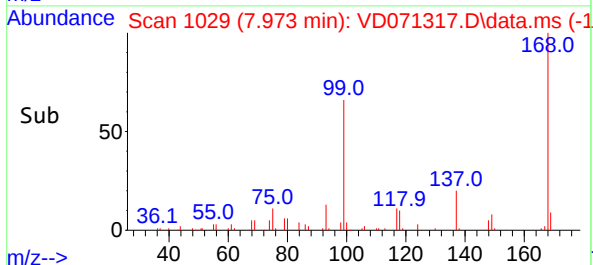
Tgt Ion:113 Resp: 74729
Ion Ratio Lower Upper
113 100
111 102.0 82.0 123.0
192 17.5 15.2 22.8

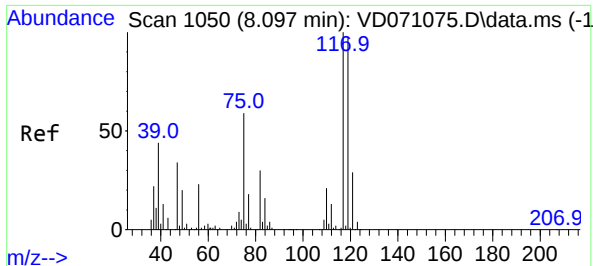


#36
1,1-Dichloropropene
Concen: 5.699 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35



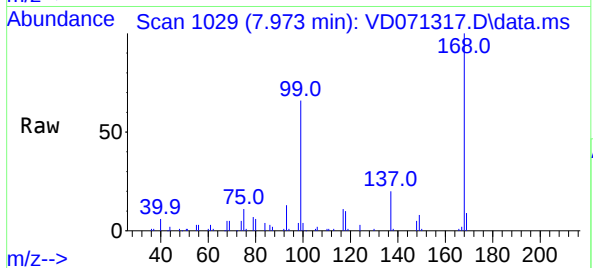
Tgt Ion: 75 Resp: 10992
Ion Ratio Lower Upper
75 100
110 5.3 17.8 53.4#
77 0.0 24.8 37.2#



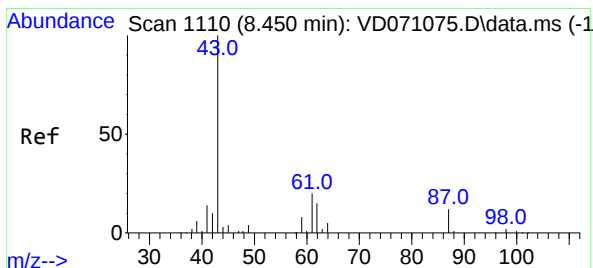
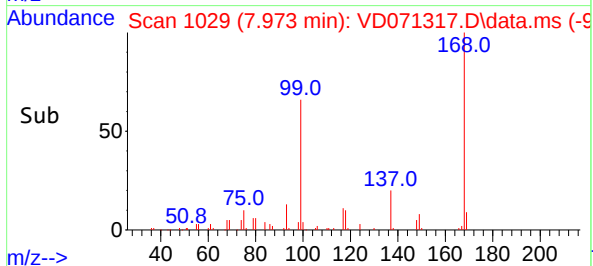
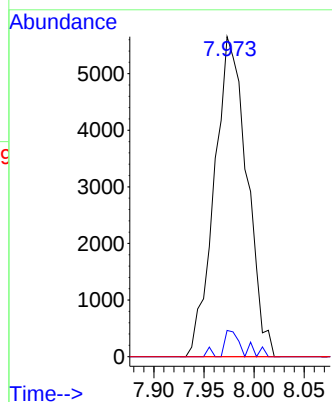


#38
Carbon Tetrachloride
Concen: 6.713 ug/l
RT: 7.973 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Instrument :
MSVOA_D
ClientSampleId :

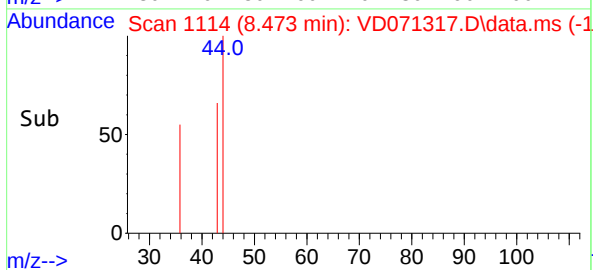
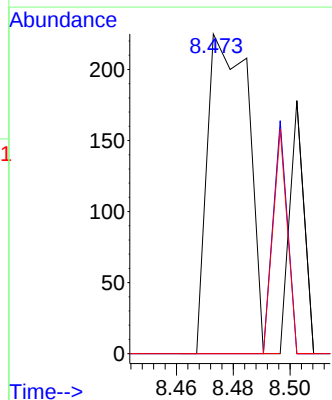
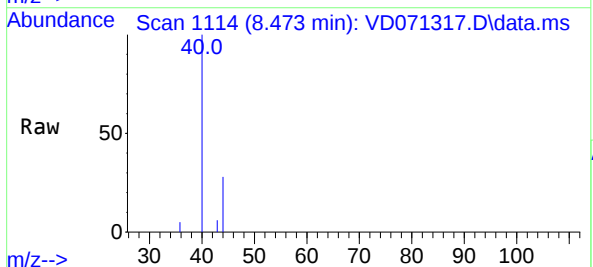


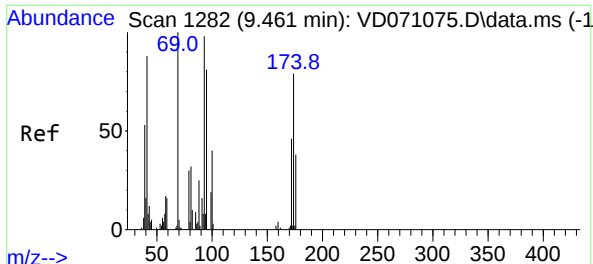
Tgt Ion:117 Resp: 12764
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.332 ug/l
RT: 8.473 min Scan# 1114
Delta R.T. 0.023 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

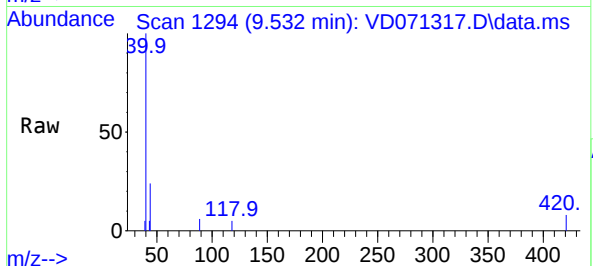
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



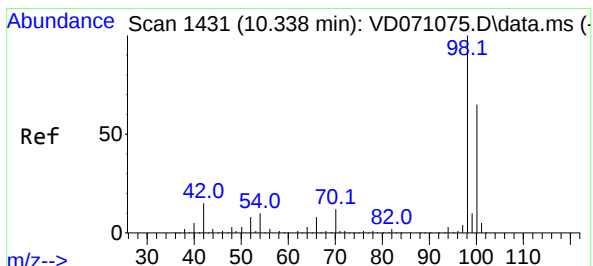
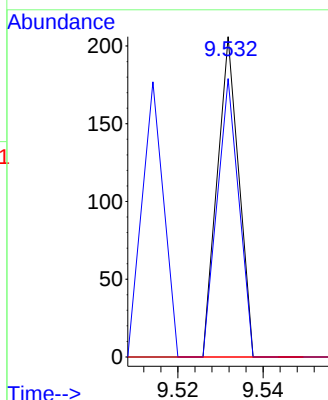
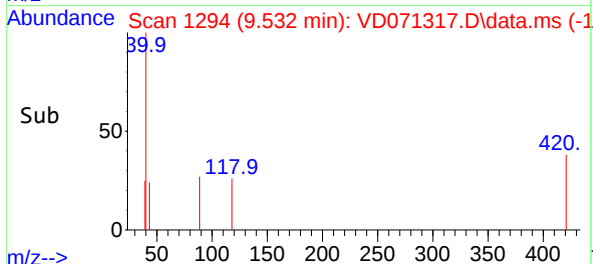


#49
1,4-Dioxane
Concen: 10.579 ug/l
RT: 9.532 min Scan# 11
Delta R.T. 0.071 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Instrument :
MSVOA_D
ClientSampleId :

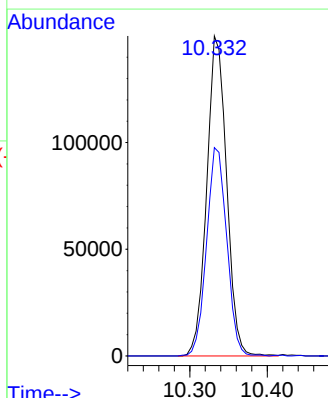
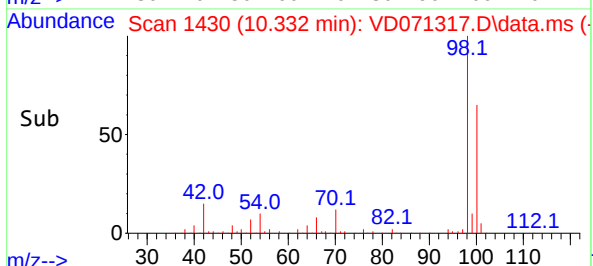
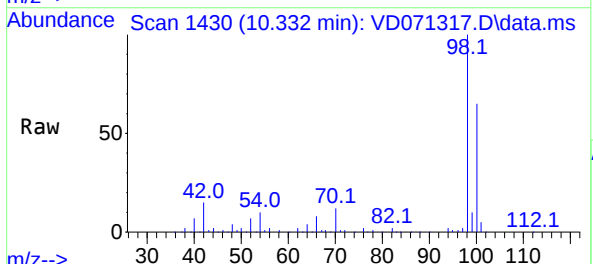


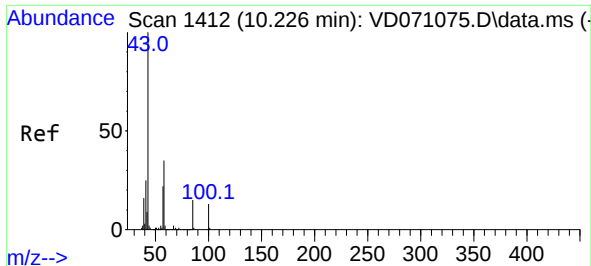
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 86.3 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 53.417 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Tgt Ion: 98 Resp: 267144
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.6

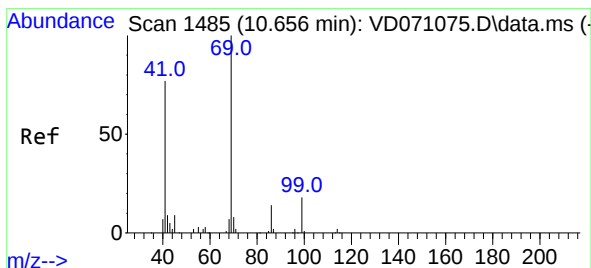
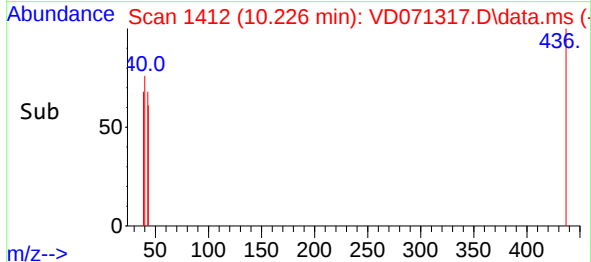
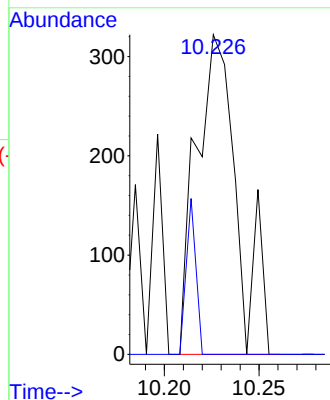
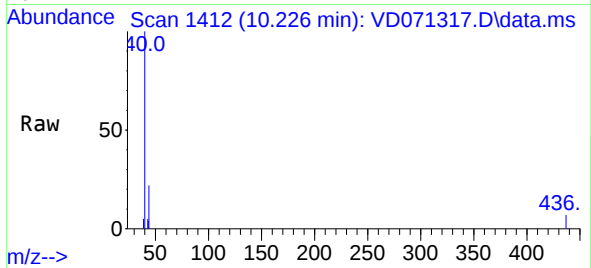




#51
4-Methyl-2-Pentanone
Concen: 31.104 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

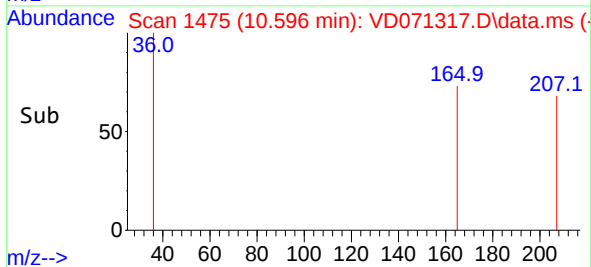
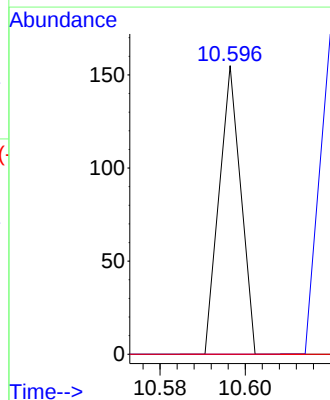
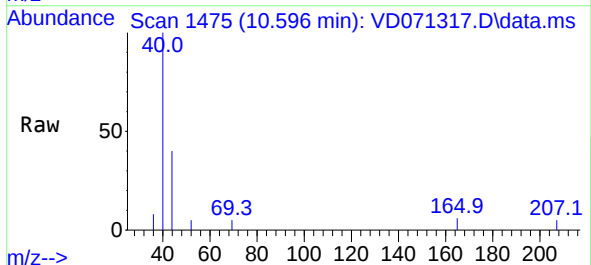
Instrument :
MSVOA_D
ClientSampleId :

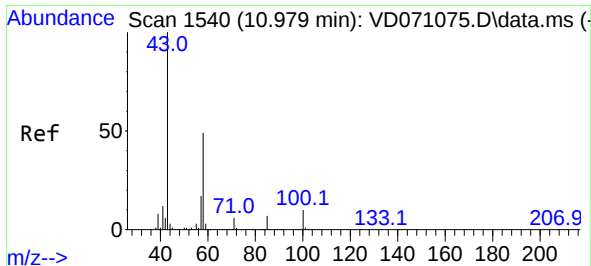
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.006 ug/l
RT: 10.596 min Scan# 1475
Delta R.T. -0.060 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

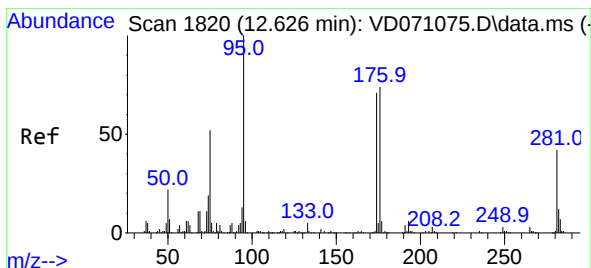
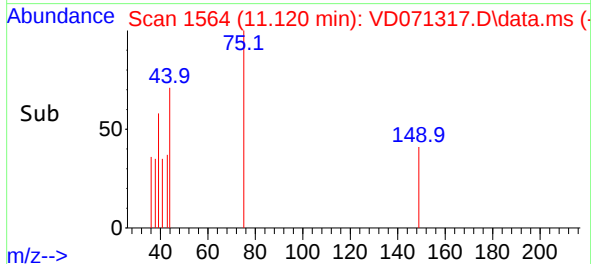
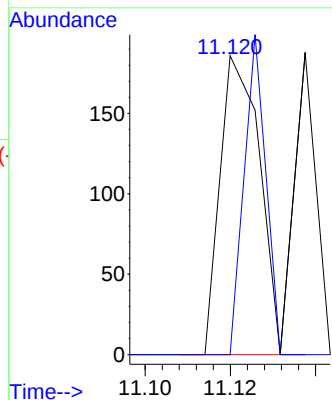
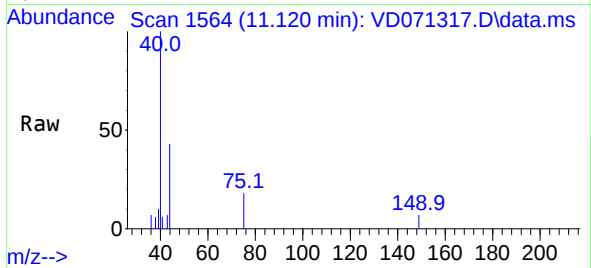




#59
2-Hexanone
Concen: 34.719 ug/l
RT: 11.120 min Scan# 1119
Delta R.T. 0.141 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

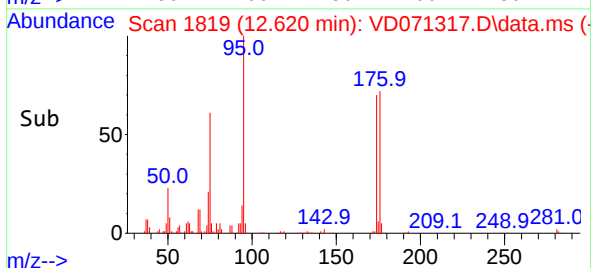
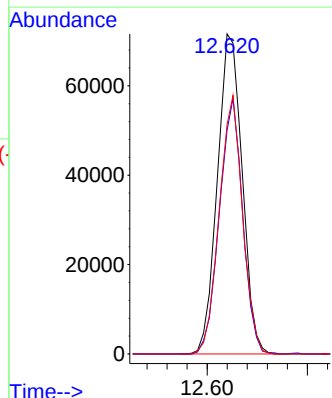
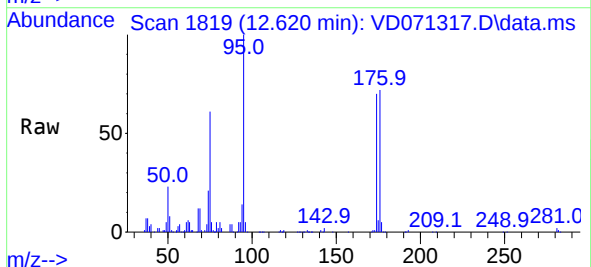
Instrument :
MSVOA_D
ClientSampleId :

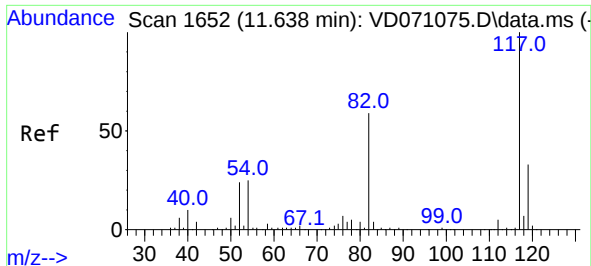
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 58.8 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 70.612 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Tgt Ion: 95 Resp: 122410
Ion Ratio Lower Upper
95 100
174 74.9 0.0 159.4
176 76.0 0.0 154.0

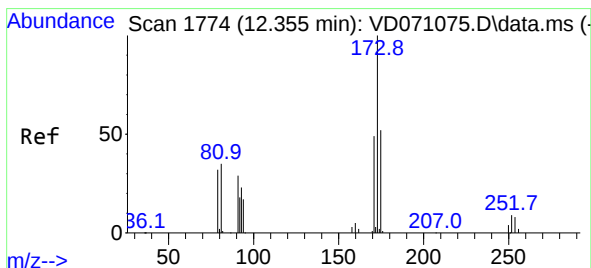
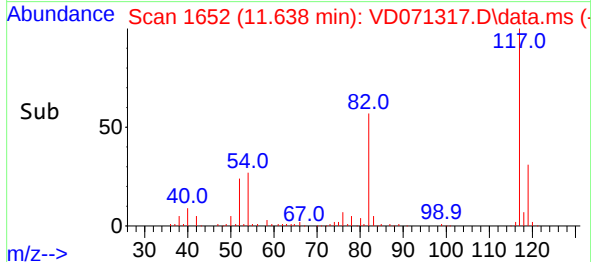
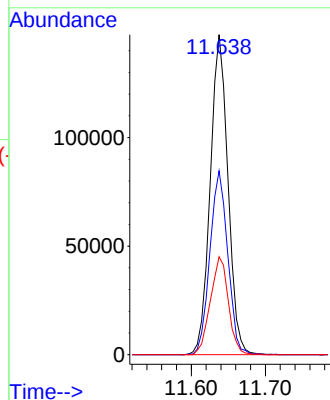
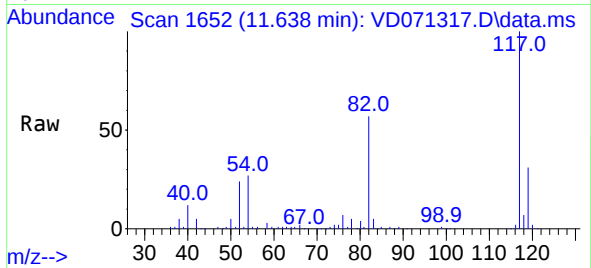




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

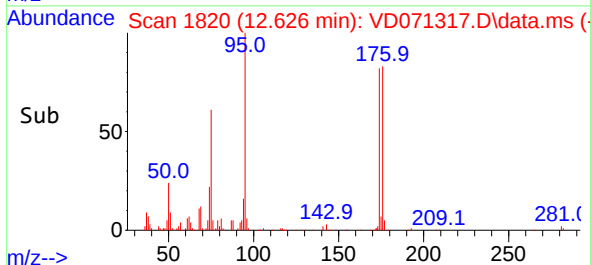
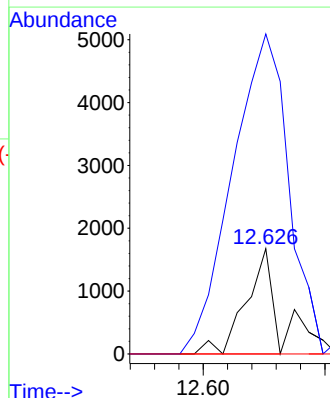
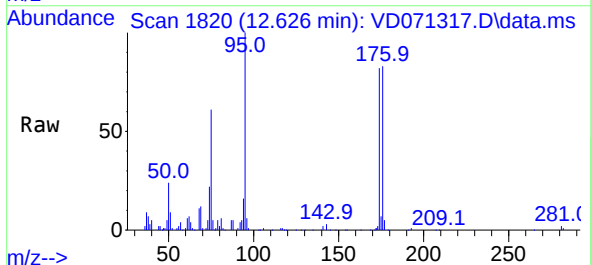
Instrument :
MSVOA_D
ClientSampleId :

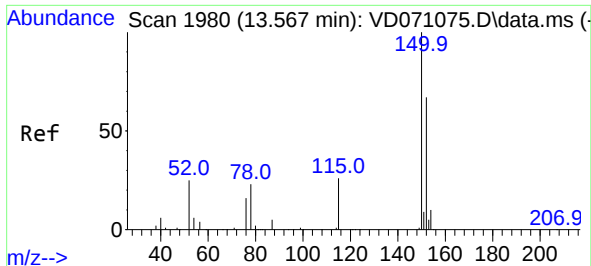
Tgt Ion:117 Resp: 244572
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 30.6 26.2 39.4



#71
Bromoform
Concen: 1.421 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

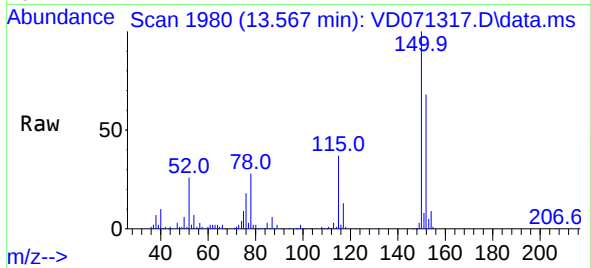
Tgt Ion:173 Resp: 1220
Ion Ratio Lower Upper
173 100
175 593.1 24.1 72.2#
254 0.0 0.1 0.1#



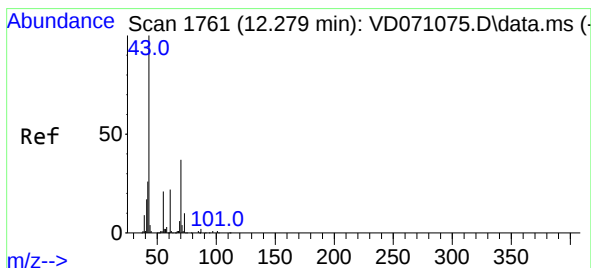
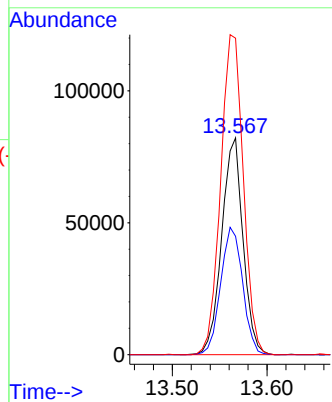
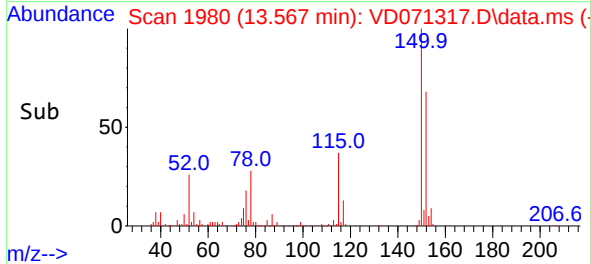


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

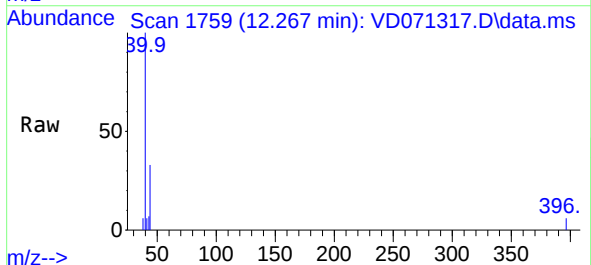
Instrument :
MSVOA_D
ClientSampleId :



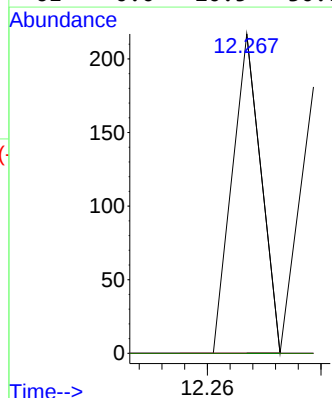
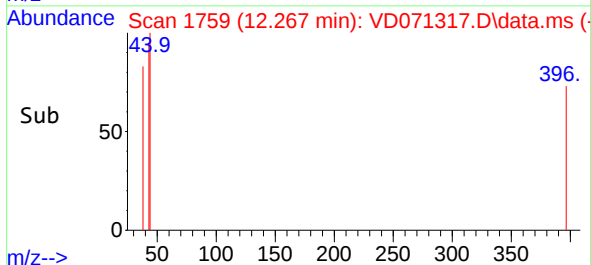
Tgt Ion:152 Resp: 128715
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 156.9 0.0 349.2

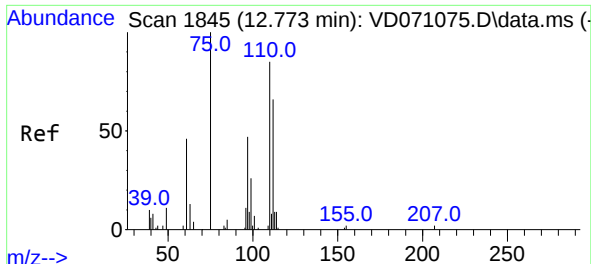


#74
N-ethyl acetate
Concen: 5.728 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35



Tgt Ion: 43 Resp: 77
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#

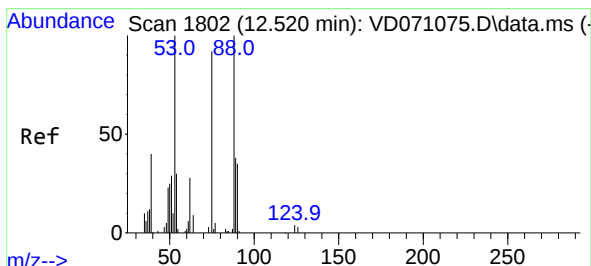
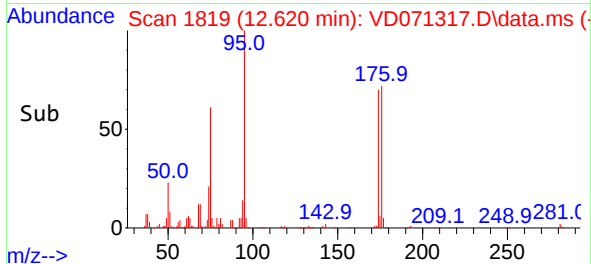
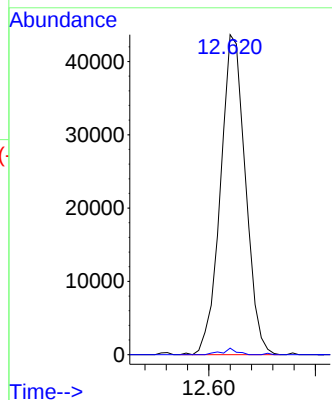
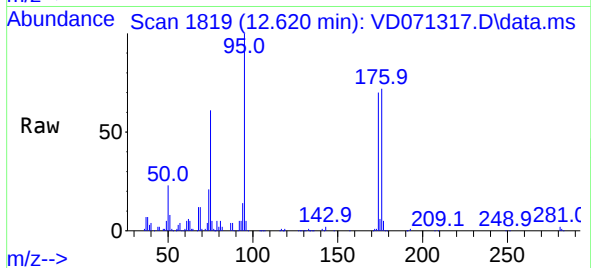




#76
1,2,3-Trichloropropane
Concen: 57.820 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 70907
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.394 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071317.D
Acq: 14 Dec 2021 13:35

Tgt Ion: 75 Resp: 70907
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.1 34.5 51.7#

