

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071340.D
 Acq On : 15 Dec 2021 14:04
 Operator : VA/SY
 Sample : M5064-03RE
 Misc : 6.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:27:33 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)

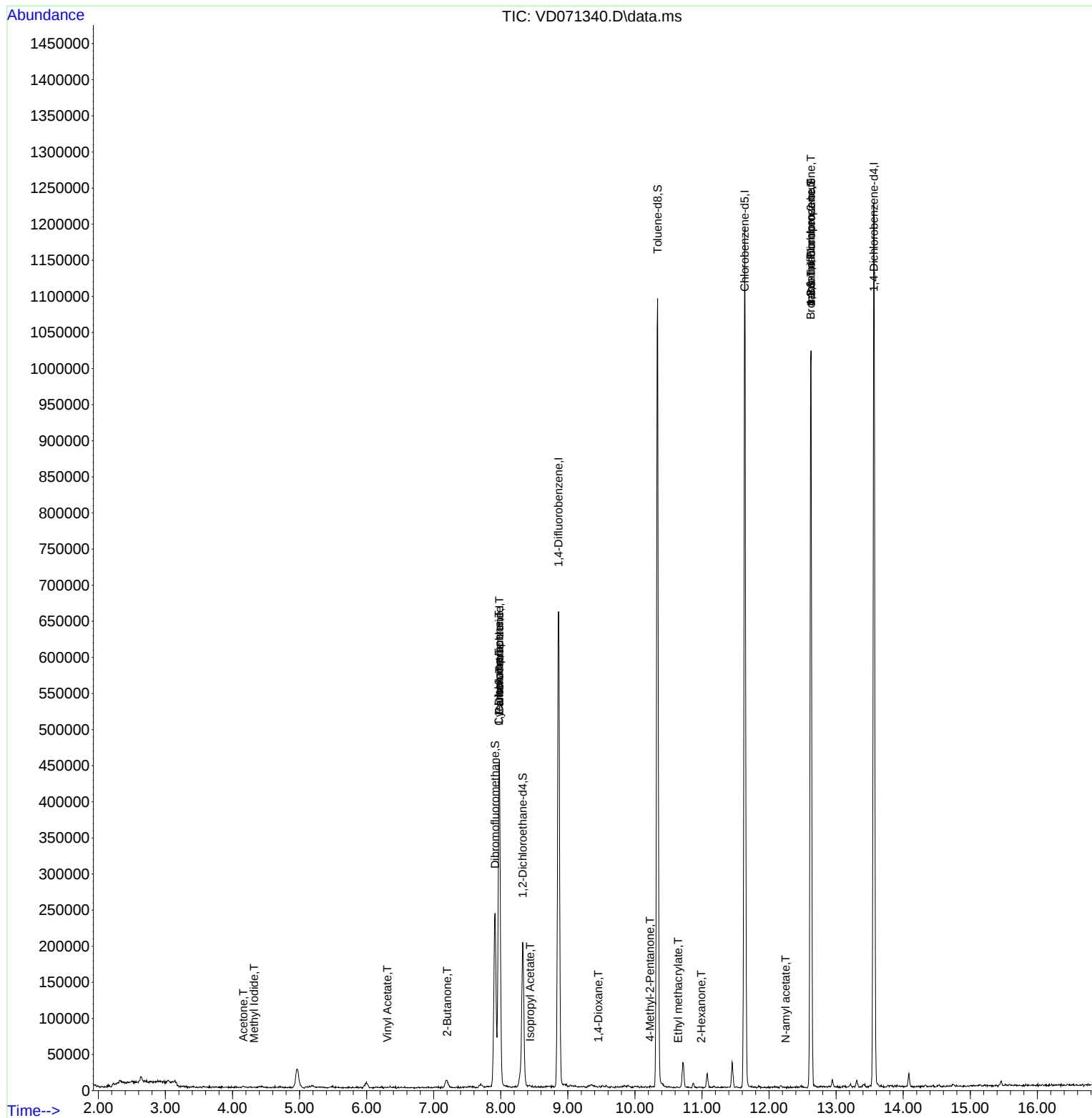
Internal Standards						
1) Pentafluorobenzene	7.979	168	313017	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	533403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	611565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	302165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152249	41.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.900%
35) Dibromofluoromethane	7.914	113	166317	48.965	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.338	98	696011	53.846	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.700%
62) 4-Bromofluorobenzene	12.626	95	290864	64.916	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	129.840%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.320	142	65	4.577	ug/l	# 40
11) Tert butyl alcohol	5.179	59	3168	Below Cal	#	71
16) Acetone	4.161	43	2794	33.308	ug/l	# 73
23) Vinyl Acetate	6.308	43	150	27.241	ug/l	# 72
25) 2-Butanone	7.202	43	900	29.067	ug/l	# 45
31) Cyclohexane	7.973	56	9842	1.575	ug/l	# 45
36) 1,1-Dichloropropene	7.973	75	29597	5.937	ug/l	# 50
38) Carbon Tetrachloride	7.979	117	35454	7.214	ug/l	# 17
41) Methacrylonitrile	7.526	41	122	Below Cal	#	40
43) Isopropyl Acetate	8.438	43	82	5.238	ug/l	# 12
49) 1,4-Dioxane	9.455	88	109	6.112	ug/l	# 23
51) 4-Methyl-2-Pentanone	10.226	43	812	30.945	ug/l	# 34
56) Ethyl methacrylate	10.643	69	299	6.046	ug/l	# 80
59) 2-Hexanone	10.990	43	179	34.658	ug/l	# 22
71) Bromoform	12.620	173	4492	2.093	ug/l	# 1
74) N-amyl acetate	12.249	43	114	5.718	ug/l	# 40
76) 1,2,3-Trichloropropane	12.626	75	165468	57.476	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	165468	124.683	ug/l	# 19

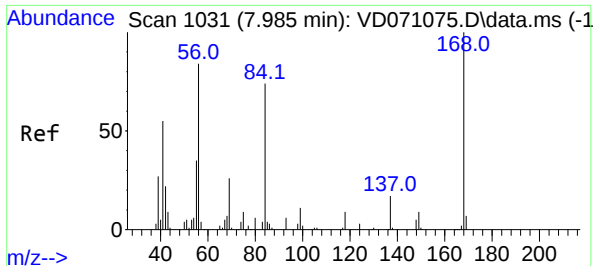
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 04:27:33 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

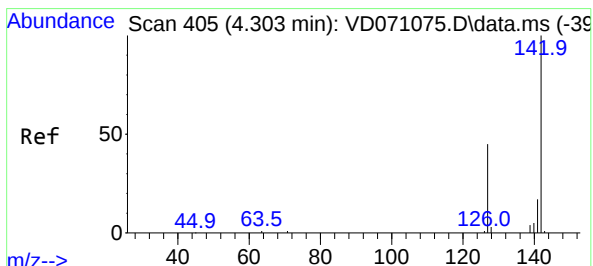
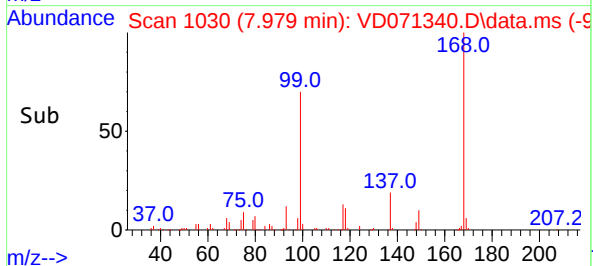
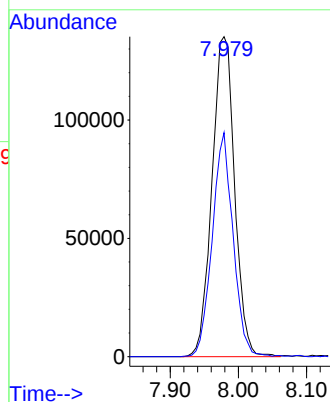
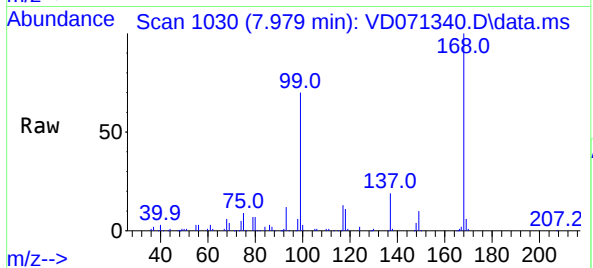




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

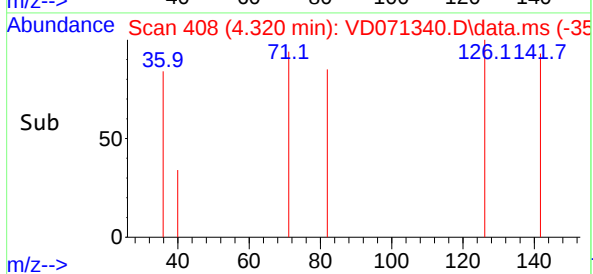
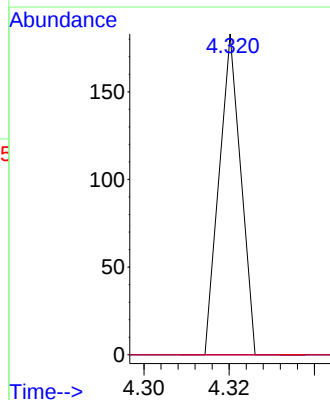
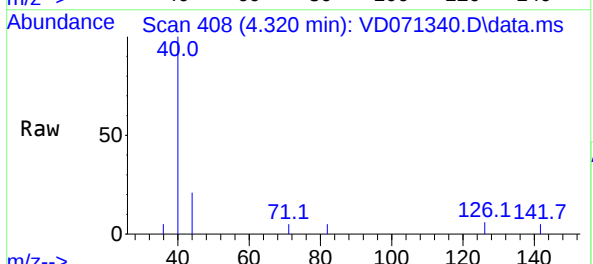
Instrument :
MSVOA_D
ClientSampleId :

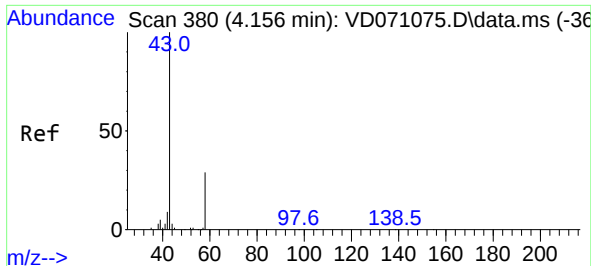
Tgt Ion:168 Resp: 313017
Ion Ratio Lower Upper
168 100
99 70.0 46.6 69.8#



#10
Methyl Iodide
Concen: 4.577 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

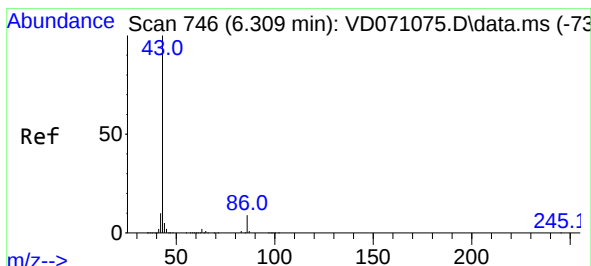
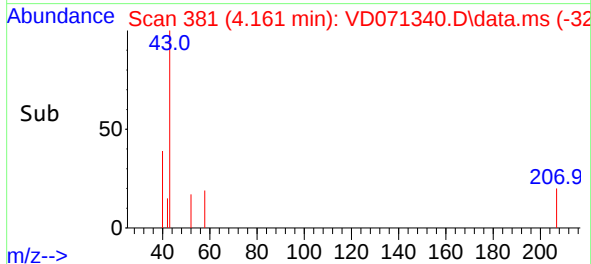
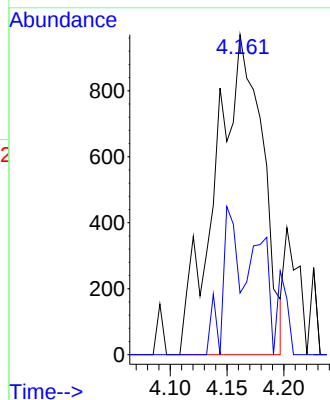
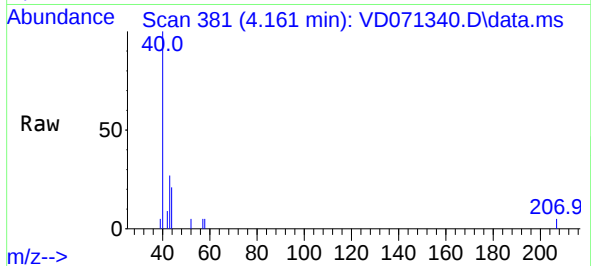




#16
Acetone
Concen: 33.308 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

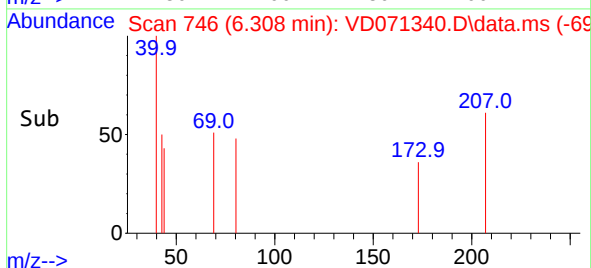
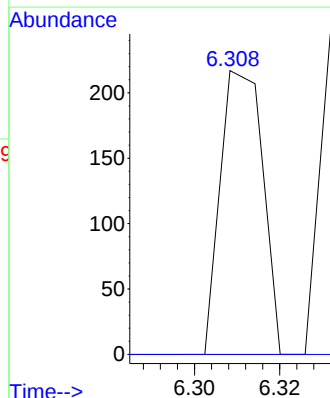
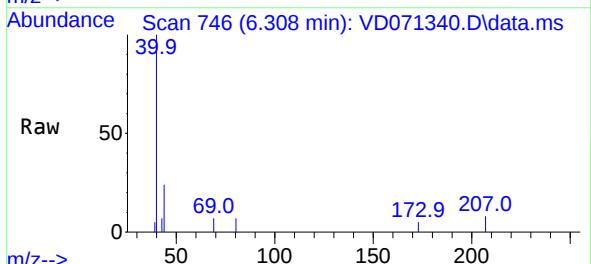
Instrument :
MSVOA_D
ClientSampleId :

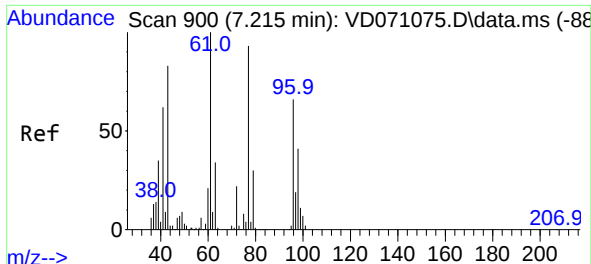
Tgt Ion: 43 Resp: 2794
Ion Ratio Lower Upper
43 100
58 19.3 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.241 ug/l
RT: 6.308 min Scan# 746
Delta R.T. -0.001 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

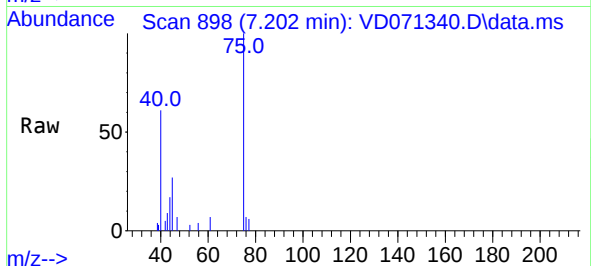
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



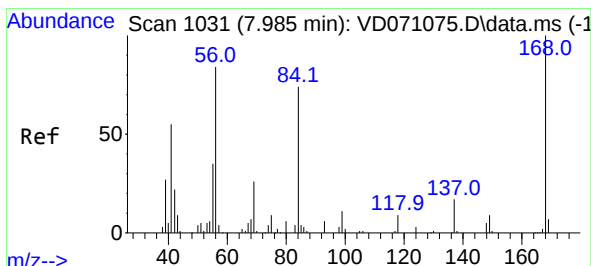
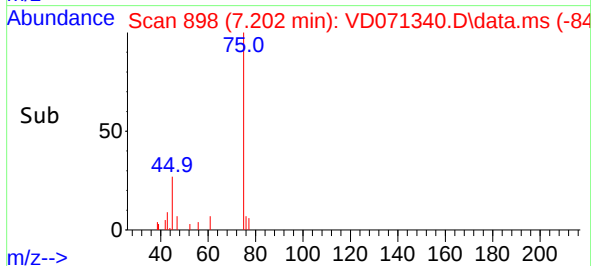
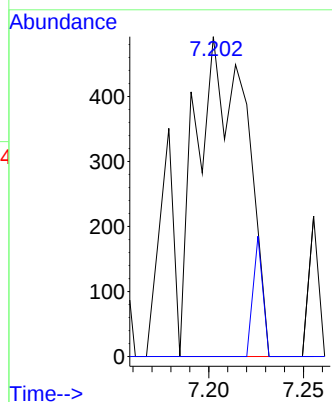


#25
2-Butanone
Concen: 29.067 ug/l
RT: 7.202 min Scan# 89
Delta R.T. -0.013 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Instrument :
MSVOA_D
ClientSampleId :

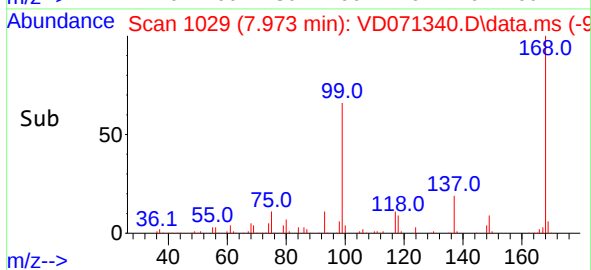
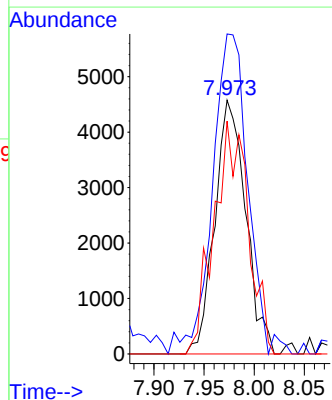
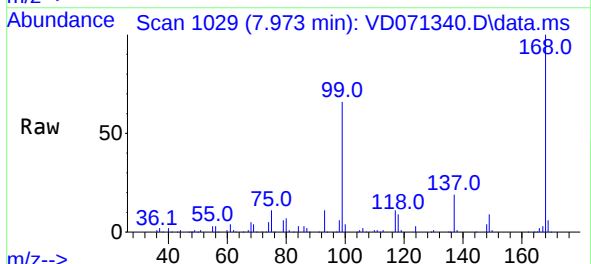


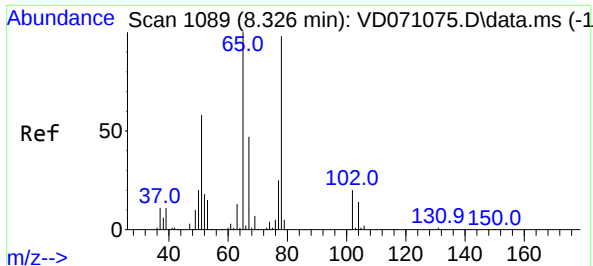
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.575 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion: 56 Resp: 9842
Ion Ratio Lower Upper
56 100
69 121.5 25.9 38.9#
84 91.7 64.3 96.5

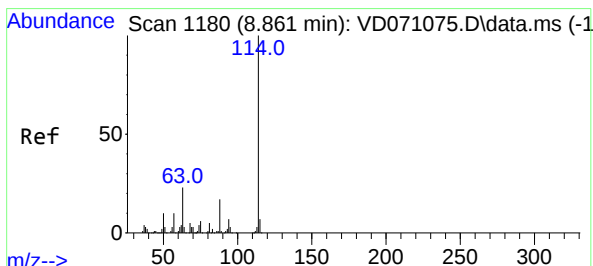
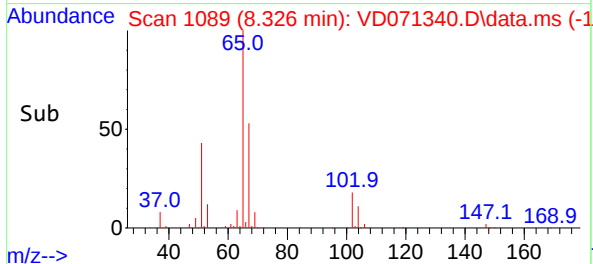
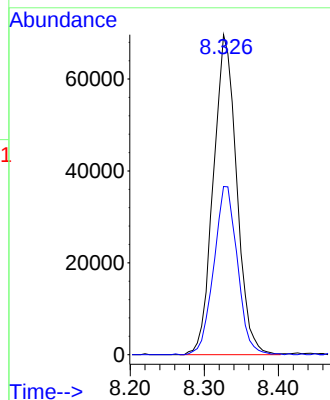
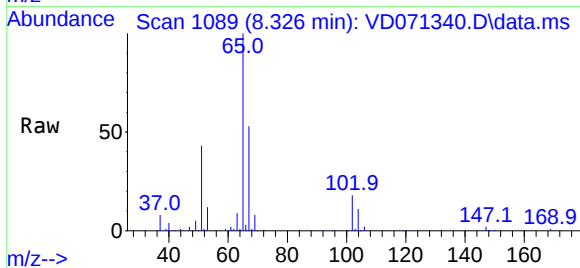




#33
1,2-Dichloroethane-d4
Concen: 41.452 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

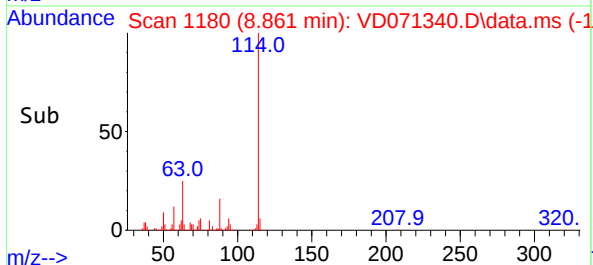
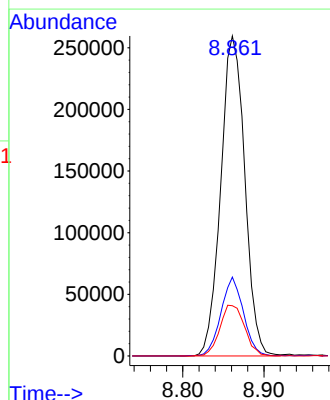
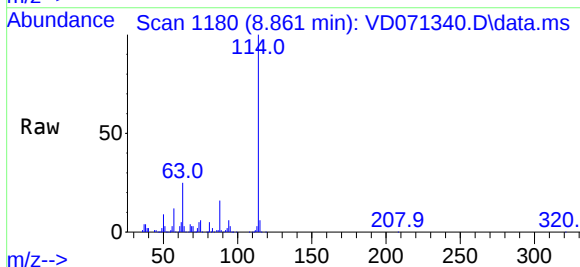
Instrument :
MSVOA_D
ClientSampleId :

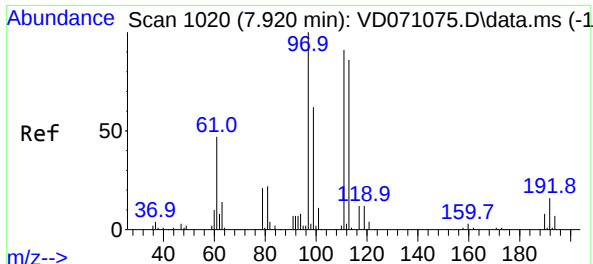
Tgt Ion: 65 Resp: 152249
Ion Ratio Lower Upper
65 100
67 53.2 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion:114 Resp: 533403
Ion Ratio Lower Upper
114 100
63 24.6 0.0 41.8
88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.965 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

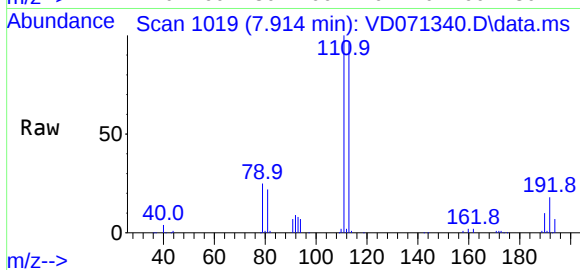
Lab File: VD071340.D

Acq: 15 Dec 2021 14:04

Instrument :

MSVOA_D

ClientSampleId :



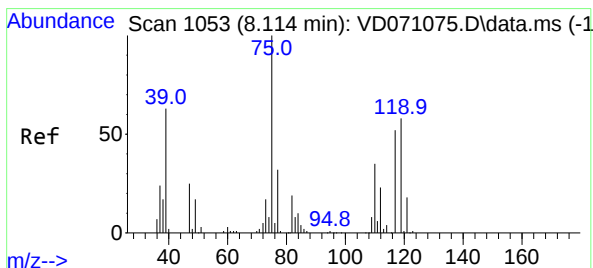
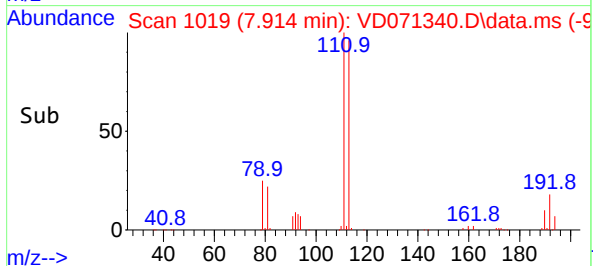
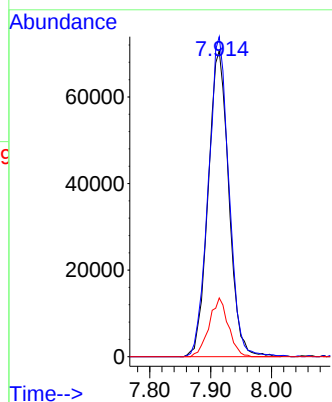
Tgt Ion:113 Resp: 166317

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 17.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.937 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071340.D

Acq: 15 Dec 2021 14:04

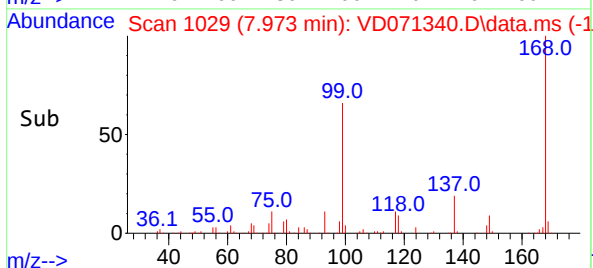
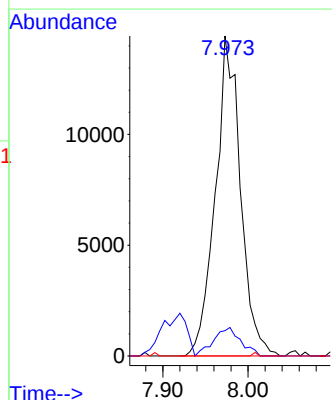
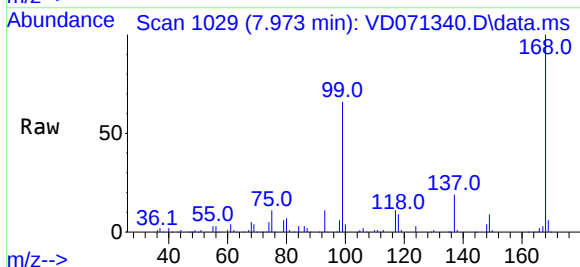
Tgt Ion: 75 Resp: 29597

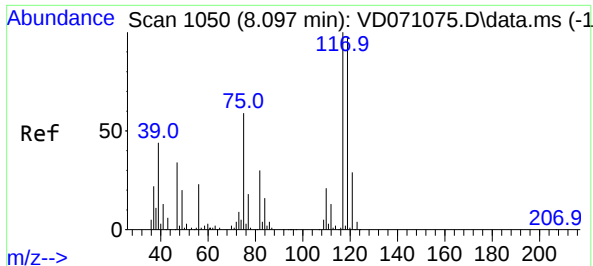
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

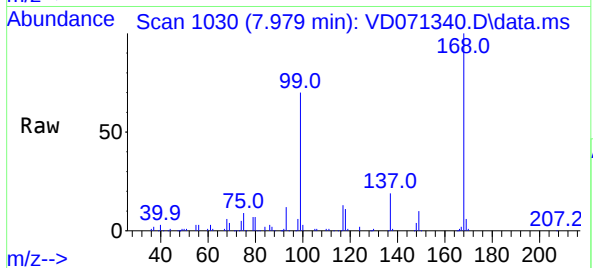
77 0.0 24.8 37.2#



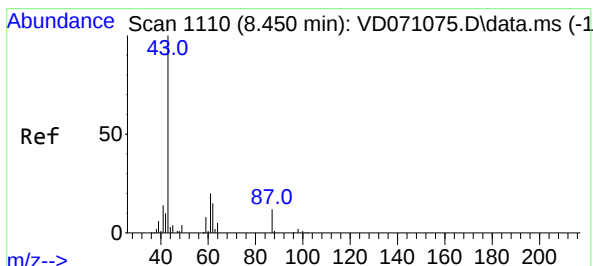
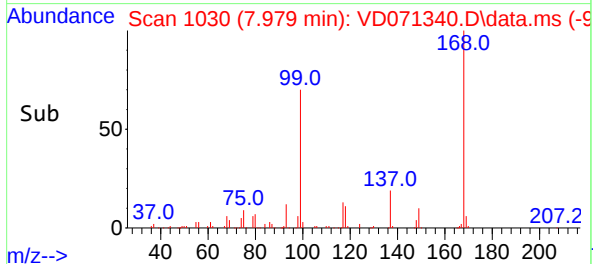
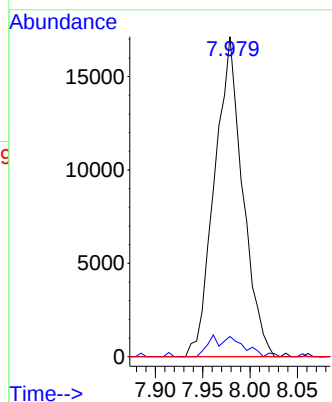


#38
Carbon Tetrachloride
Concen: 7.214 ug/l
RT: 7.979 min Scan# 1108
Delta R.T. -0.118 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Instrument :
MSVOA_D
ClientSampleId :

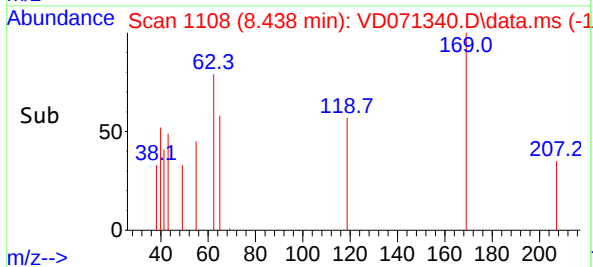
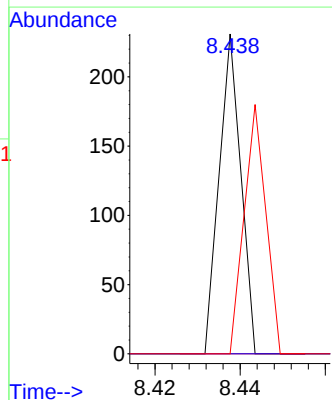
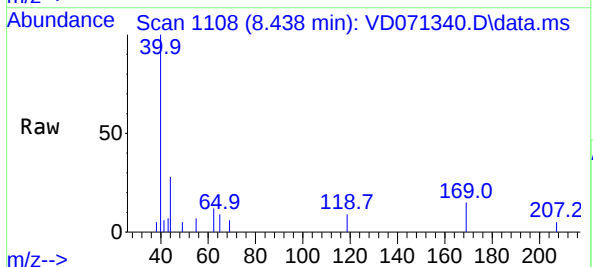


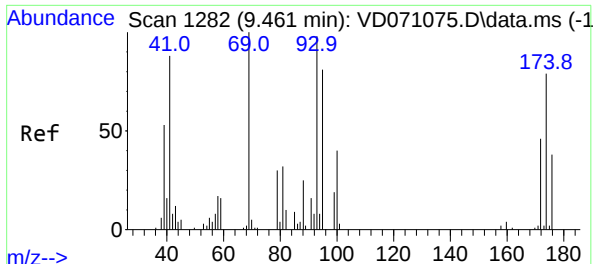
Tgt Ion:117 Resp: 35454
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.438 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 78.0 10.7 16.1#

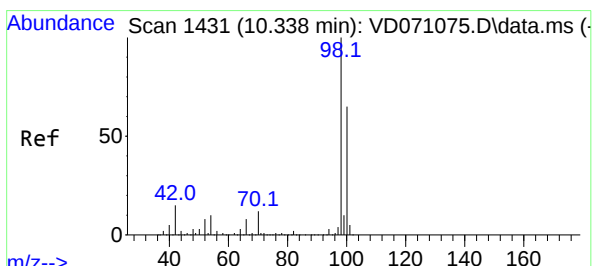
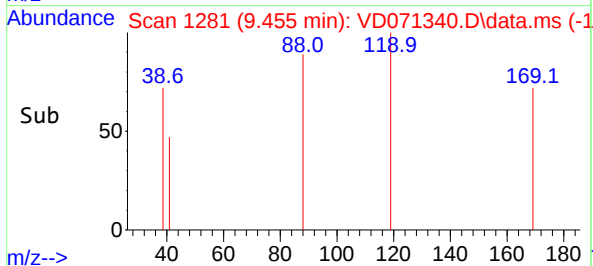
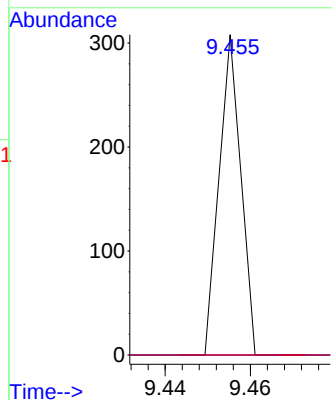
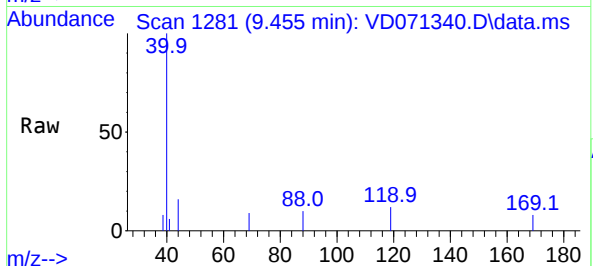




#49
1,4-Dioxane
Concen: 6.112 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. -0.006 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

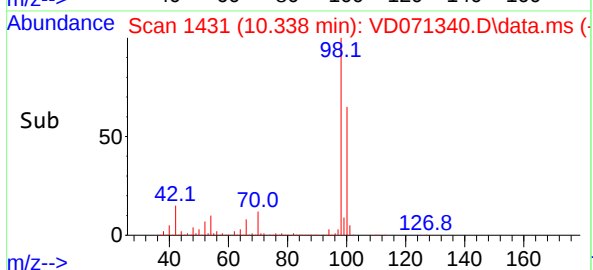
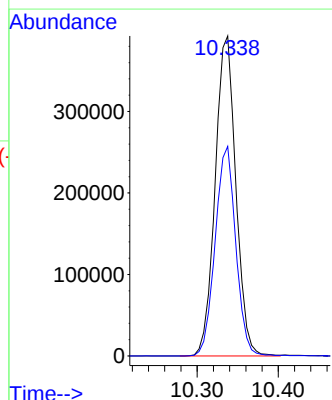
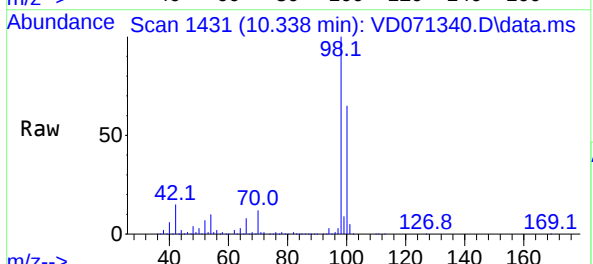
Instrument :
MSVOA_D
ClientSampleId :

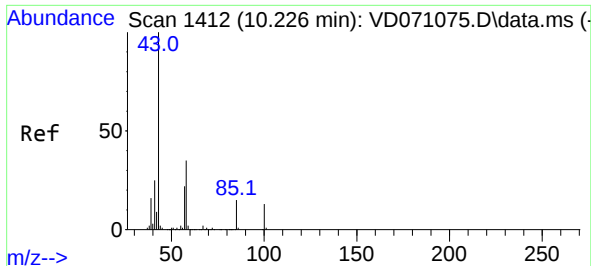
Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 53.846 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion: 98 Resp: 696011
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

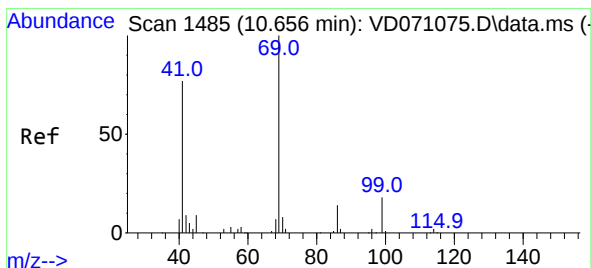
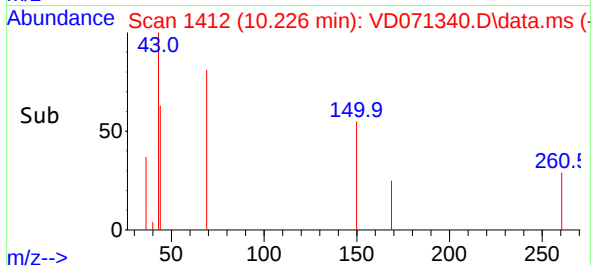
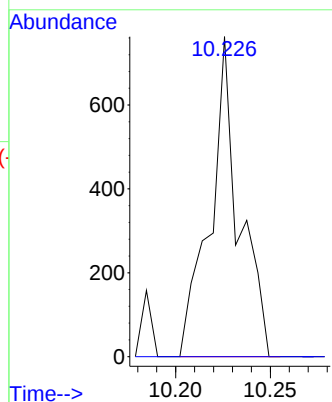
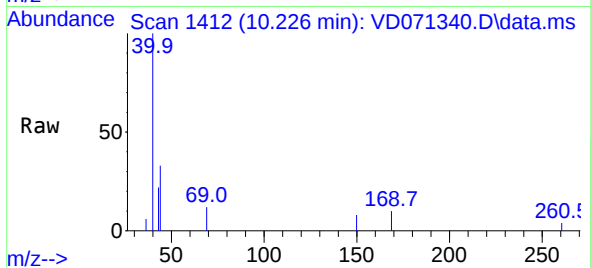




#51
4-Methyl-2-Pentanone
Concen: 30.945 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

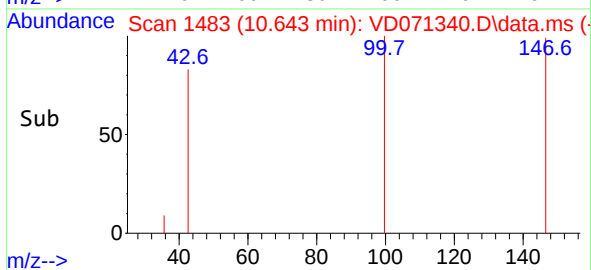
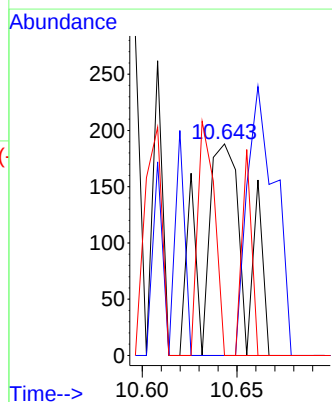
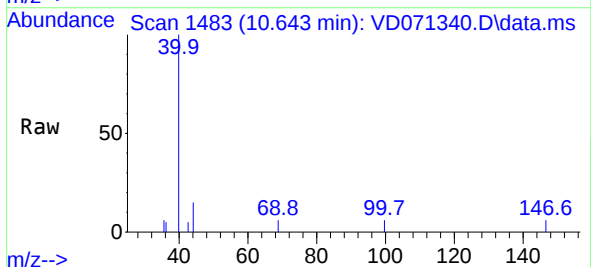
Instrument :
MSVOA_D
ClientSampleId :

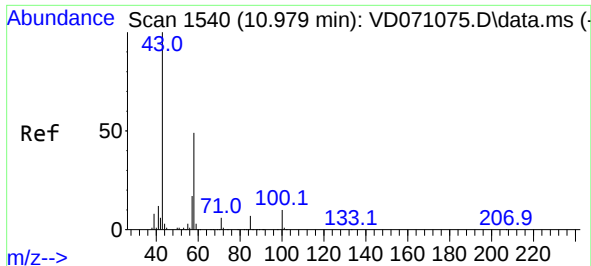
Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.046 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.013 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion: 69 Resp: 299
Ion Ratio Lower Upper
69 100
41 82.3 50.2 75.2#
39 21.7 19.8 29.8

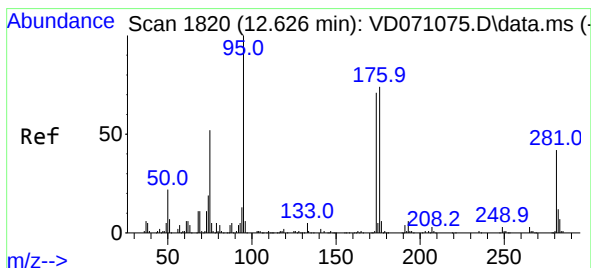
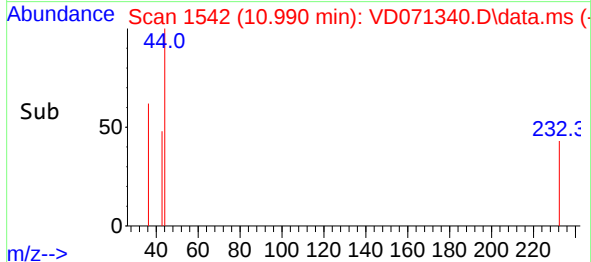
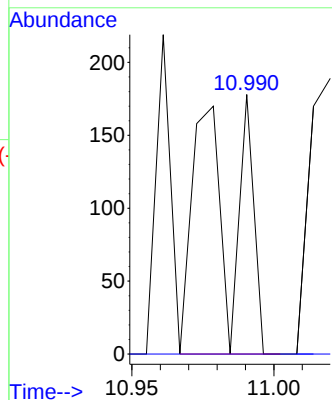
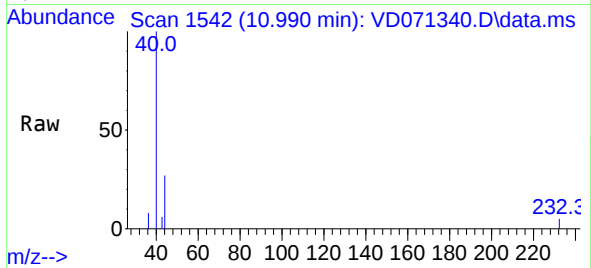




#59
2-Hexanone
Concen: 34.658 ug/l
RT: 10.990 min Scan# 1542
Delta R.T. 0.011 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

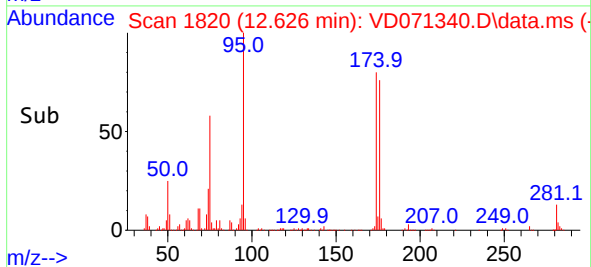
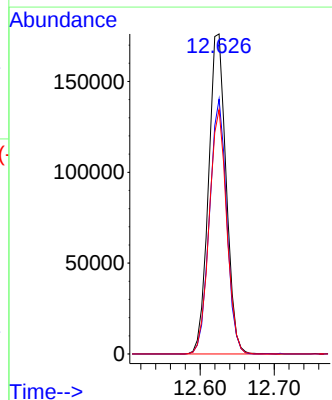
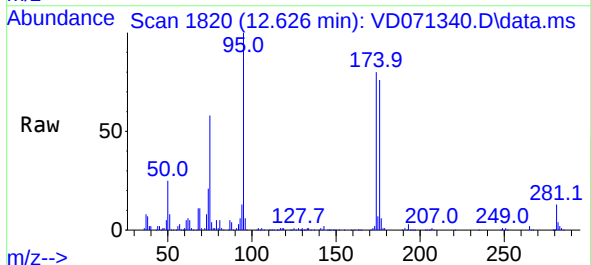
Instrument :
MSVOA_D
ClientSampleId :

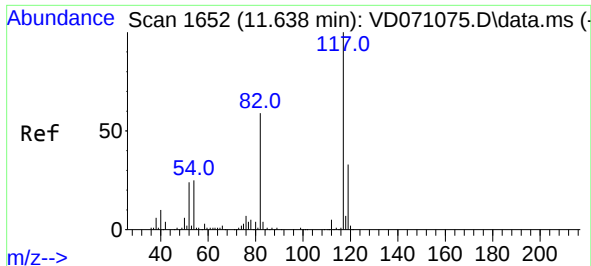
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 64.916 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

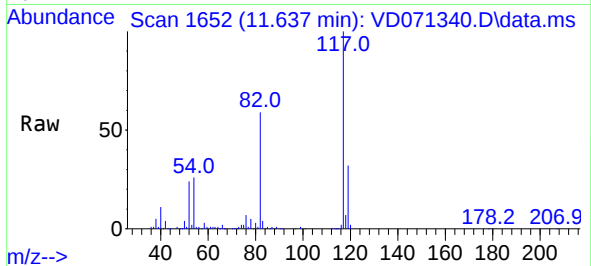
Tgt Ion: 95 Resp: 290864
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.4
176 75.5 0.0 154.0



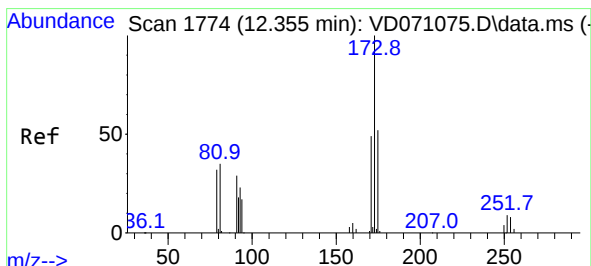
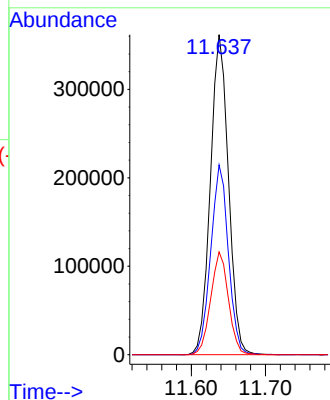
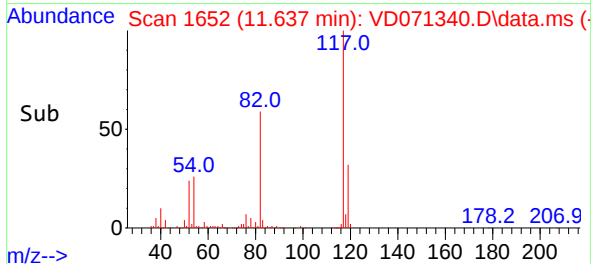


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

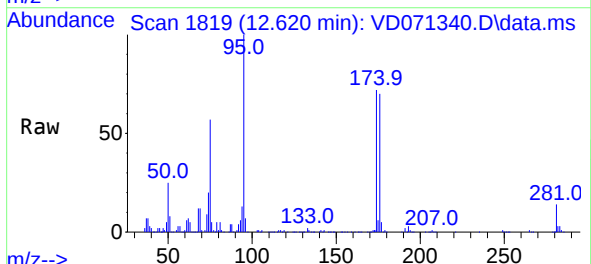
Instrument :
MSVOA_D
ClientSampleId :



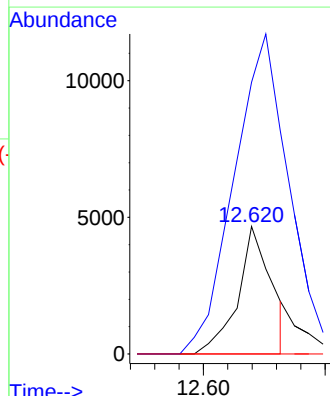
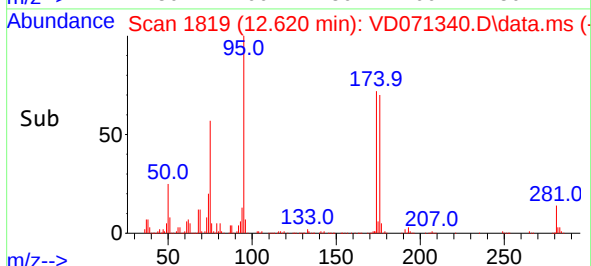
Tgt Ion:117 Resp: 611565
Ion Ratio Lower Upper
117 100
82 59.3 44.7 67.1
119 32.1 26.2 39.4

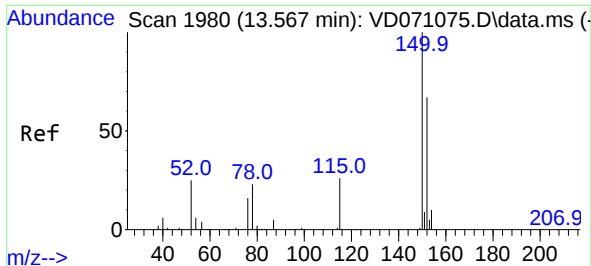


#71
Bromoform
Concen: 2.093 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04



Tgt Ion:173 Resp: 4492
Ion Ratio Lower Upper
173 100
175 340.2 24.1 72.2#
254 0.0 0.1 0.1#

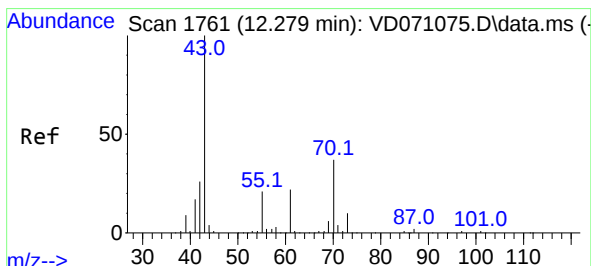
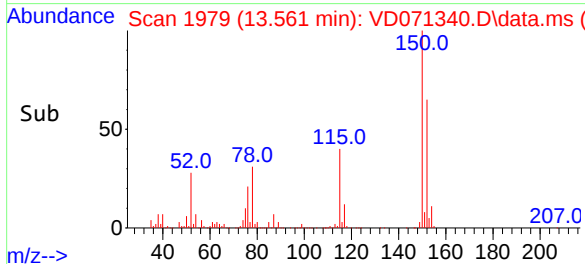
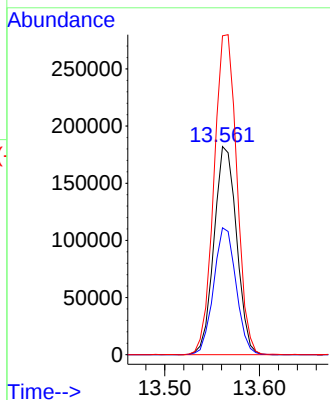
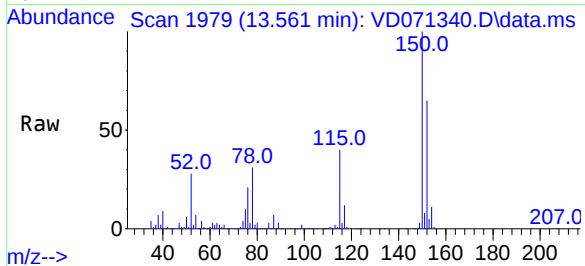




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

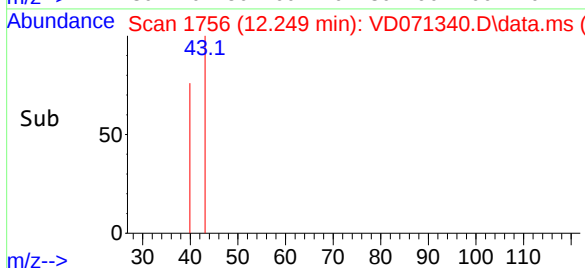
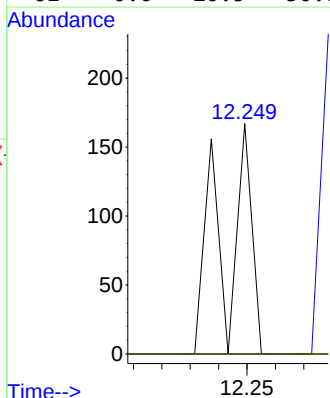
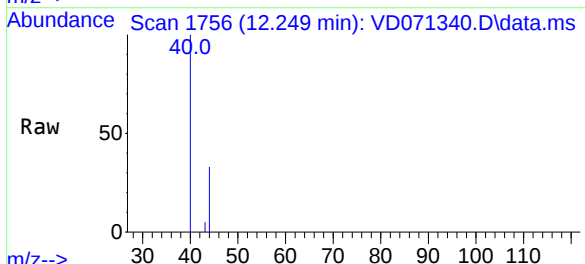
Instrument :
MSVOA_D
ClientSampleId :

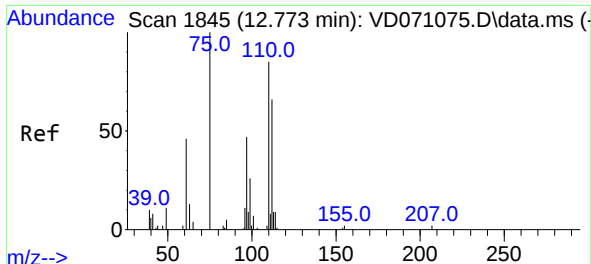
Tgt Ion:152 Resp: 302165
Ion Ratio Lower Upper
152 100
115 60.6 29.8 89.3
150 155.5 0.0 349.2



#74
N-ethyl acetate
Concen: 5.718 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.030 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion: 43 Resp: 114
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#

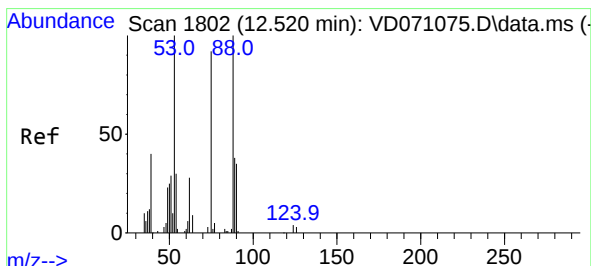
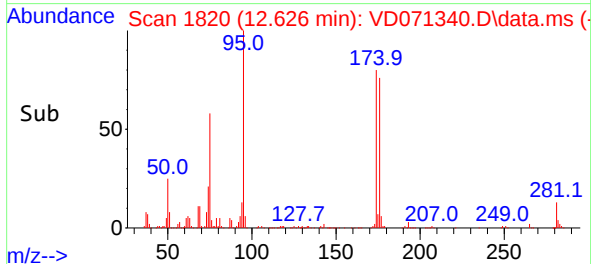
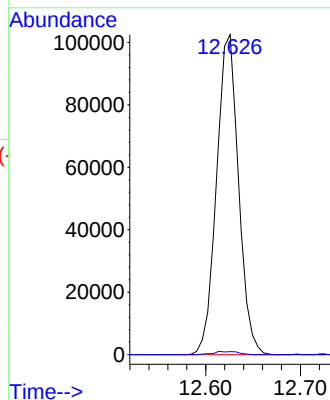
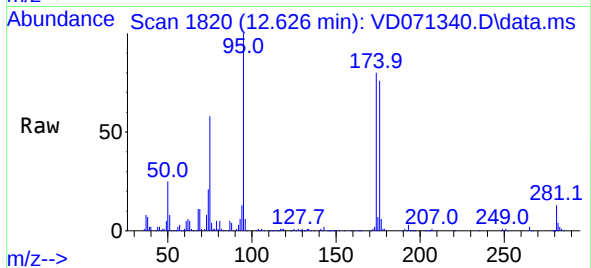




#76
1,2,3-Trichloropropane
Concen: 57.476 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 165468
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.683 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071340.D
Acq: 15 Dec 2021 14:04

Tgt Ion: 75 Resp: 165468
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.5 34.5 51.7#

