

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071320.D
 Acq On : 14 Dec 2021 14:59
 Operator : VA/SY
 Sample : M5064-01
 Misc : 4.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:30:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

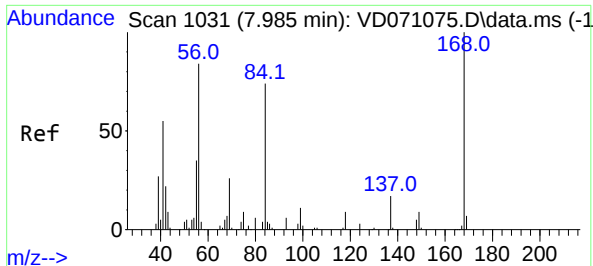
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	340578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	598329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	682814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	352225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171177	42.834	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.660%
35) Dibromofluoromethane	7.914	113	181023	47.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.020%
50) Toluene-d8	10.332	98	788100	54.354	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.700%
62) 4-Bromofluorobenzene	12.620	95	347419	69.124	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	138.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.256	59	128	Below Cal	#	71
16) Acetone	4.150	43	3457	33.653	ug/l #	40
20) Methylene Chloride	4.962	84	27310	2.832	ug/l #	89
23) Vinyl Acetate	6.291	43	120	27.235	ug/l #	72
25) 2-Butanone	7.203	43	693	28.860	ug/l #	45
31) Cyclohexane	7.979	56	10079	1.483	ug/l #	28
36) 1,1-Dichloropropene	7.973	75	33159	5.930	ug/l #	44
38) Carbon Tetrachloride	7.979	117	37096	6.729	ug/l #	16
41) Methacrylonitrile	7.544	41	1184	Below Cal	#	40
43) Isopropyl Acetate	8.467	43	264	5.267	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	690	30.874	ug/l #	34
56) Ethyl methacrylate	10.632	69	2221	6.470	ug/l #	59
59) 2-Hexanone	10.985	43	364	34.727	ug/l #	22
74) N-amyl acetate	12.285	43	461	5.760	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	190873	56.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	190873	123.445	ug/l #	19

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

Quant Time: Dec 15 08:30:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

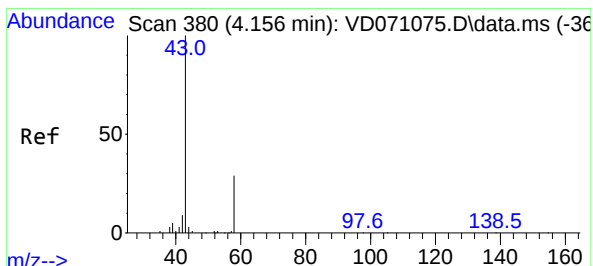
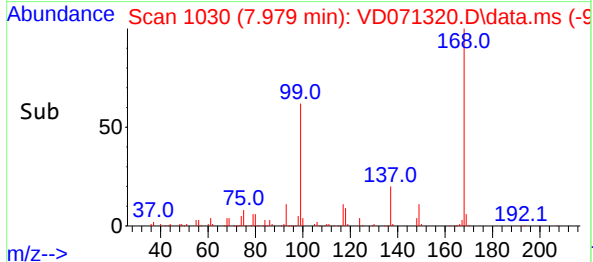
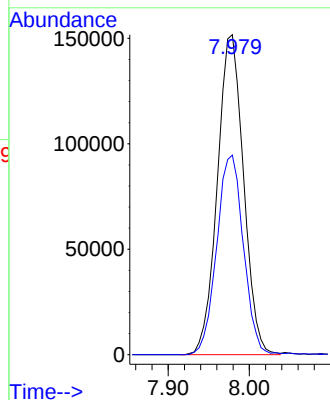
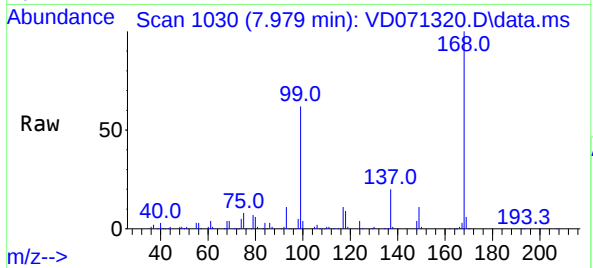




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

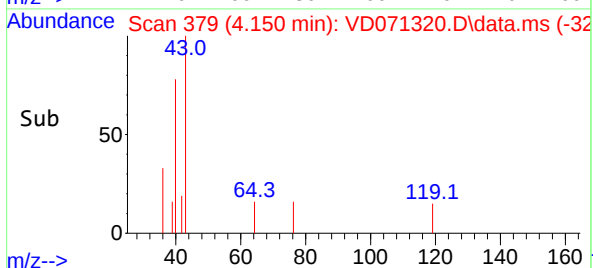
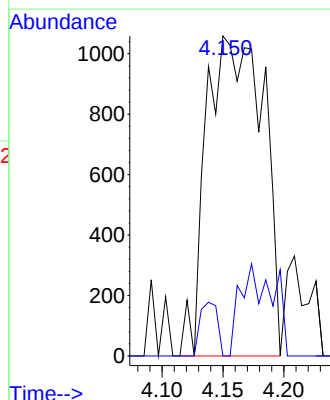
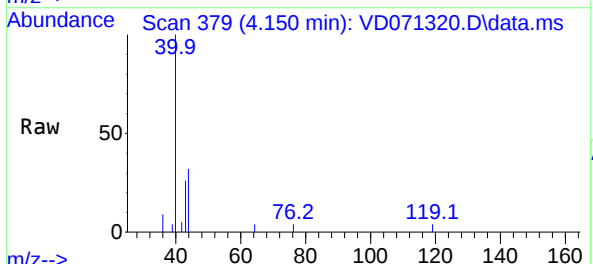
Instrument :
MSVOA_D
ClientSampleId :

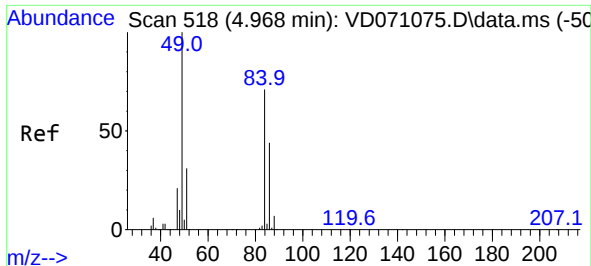
Tgt Ion:168 Resp: 340578
Ion Ratio Lower Upper
168 100
99 62.4 46.6 69.8



#16
Acetone
Concen: 33.653 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

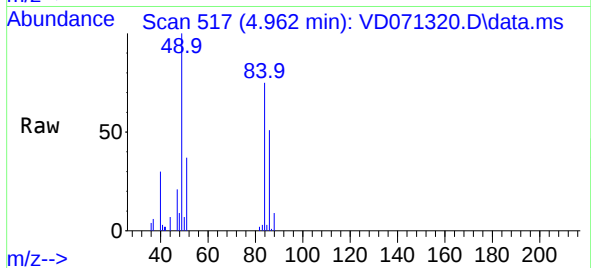
Tgt Ion: 43 Resp: 3457
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



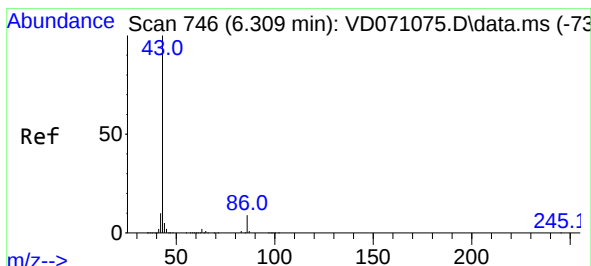
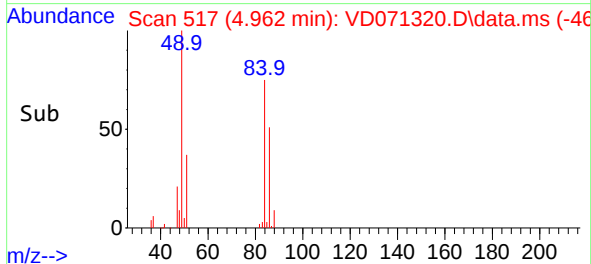
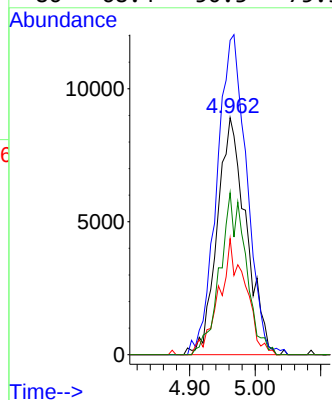


#20
Methylene Chloride
Concen: 2.832 ug/l
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :

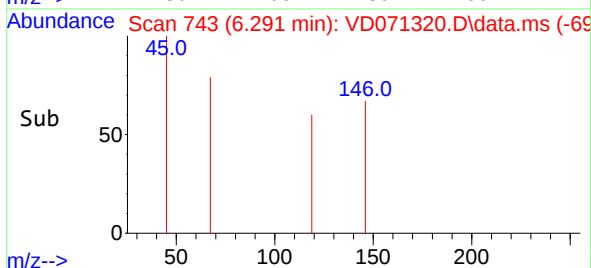
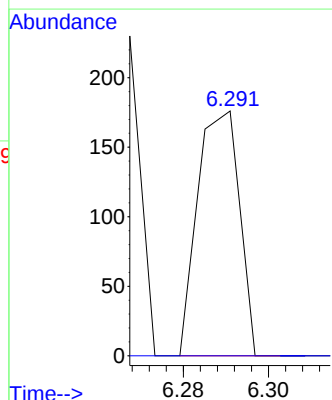
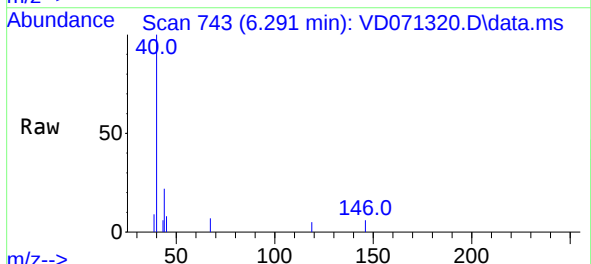


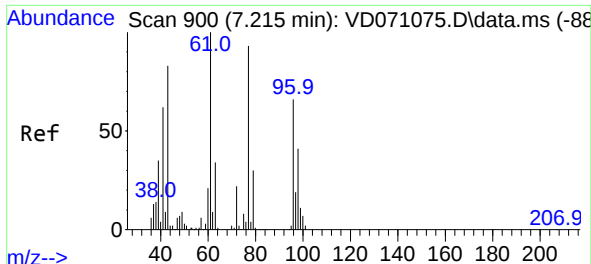
Tgt Ion: 84 Resp: 27310
Ion Ratio Lower Upper
84 100
49 132.7 95.8 143.6
51 49.1 30.9 46.3#
86 68.4 50.3 75.5



#23
Vinyl Acetate
Concen: 27.235 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

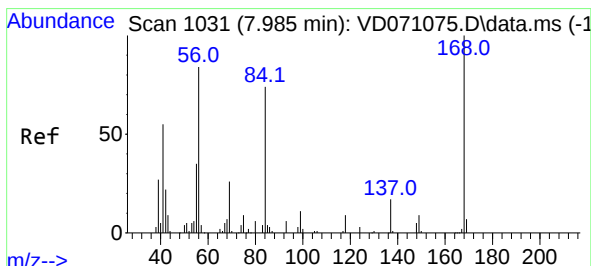
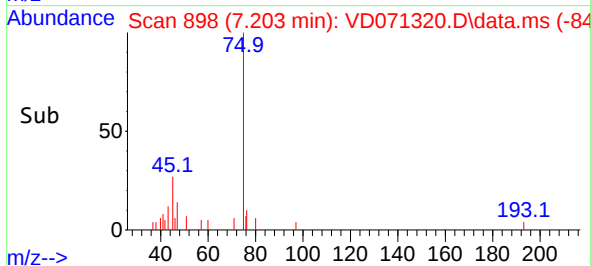
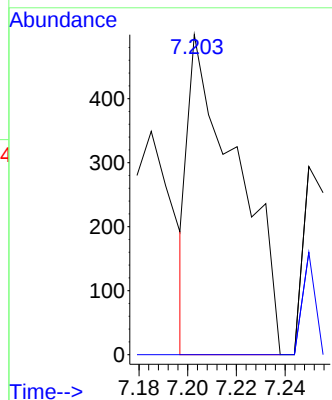
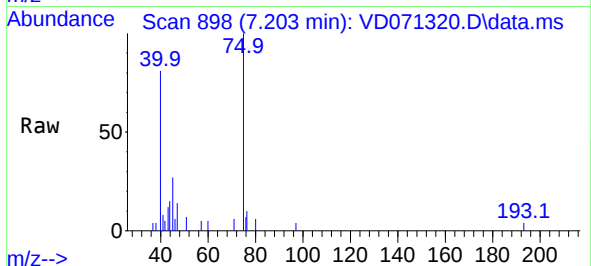




#25
2-Butanone
Concen: 28.860 ug/l
RT: 7.203 min Scan# 89
Delta R.T. -0.012 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

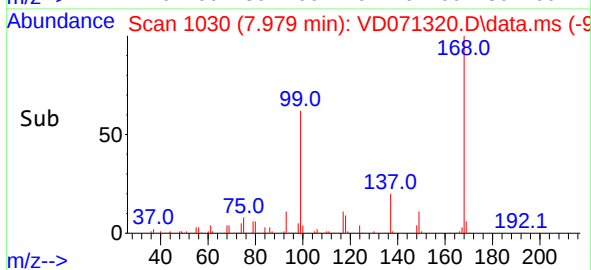
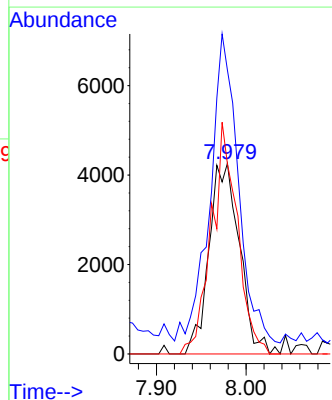
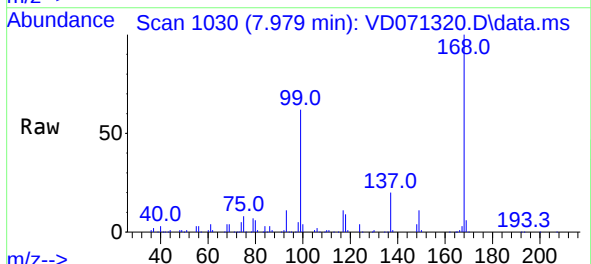
Instrument :
MSVOA_D
ClientSampleId :

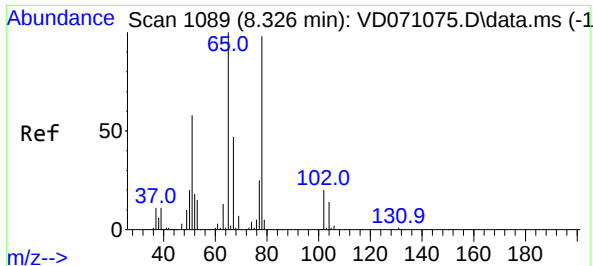
Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.483 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 56 Resp: 10079
Ion Ratio Lower Upper
56 100
69 143.2 25.9 38.9#
84 99.8 64.3 96.5#

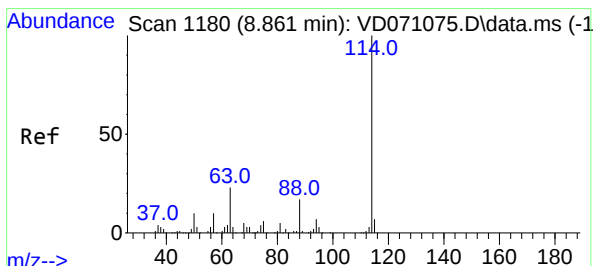
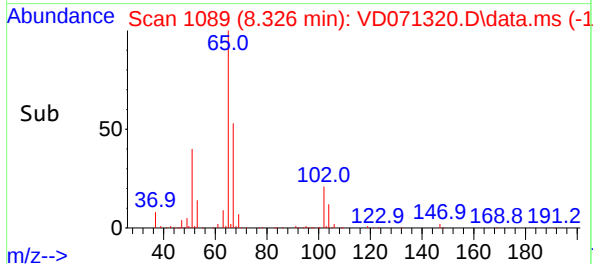
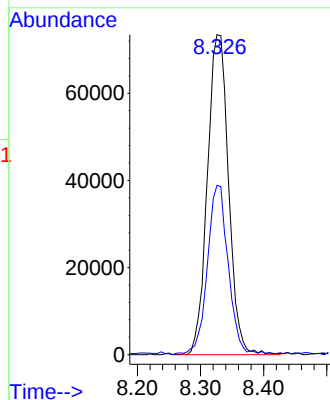
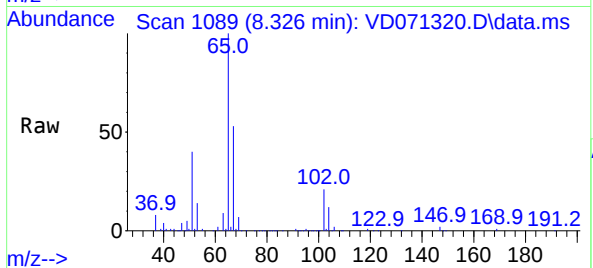




#33
1,2-Dichloroethane-d4
Concen: 42.834 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

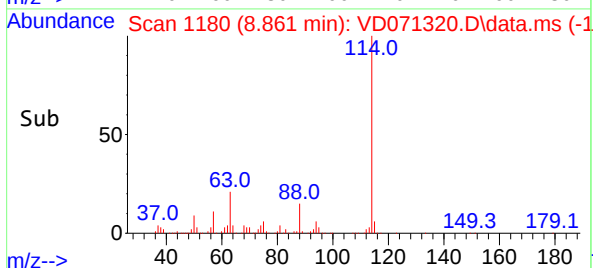
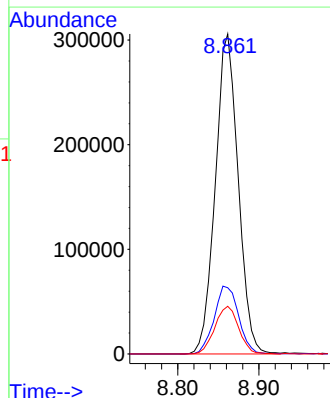
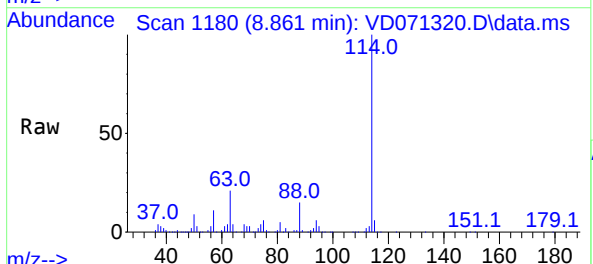
Instrument :
MSVOA_D
ClientSampleId :

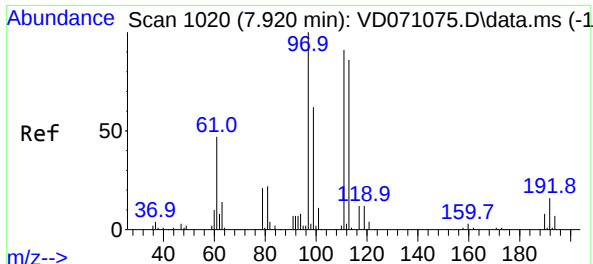
Tgt Ion: 65 Resp: 171177
Ion Ratio Lower Upper
65 100
67 52.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 114 Resp: 598329
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.8
88 14.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.511 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

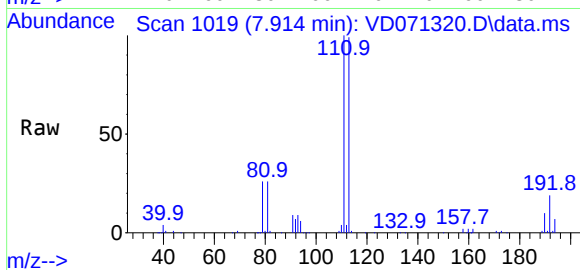
Lab File: VD071320.D

Acq: 14 Dec 2021 14:59

Instrument :

MSVOA_D

ClientSampleId :



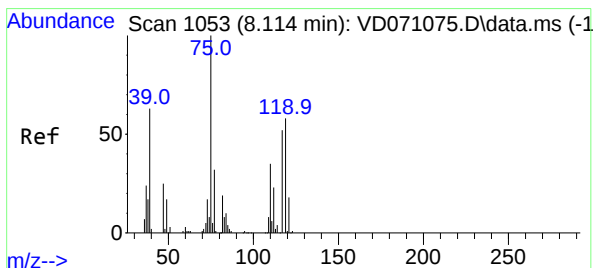
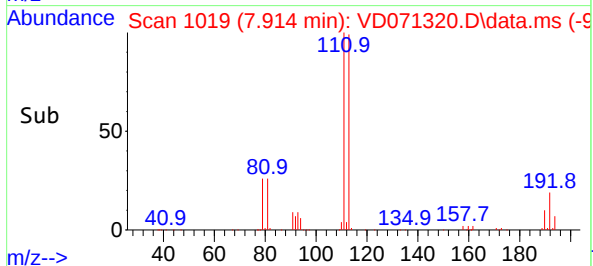
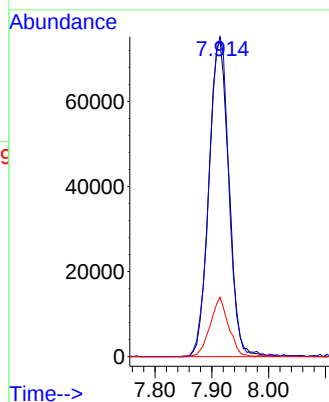
Tgt Ion:113 Resp: 181023

Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

192 17.4 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.930 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071320.D

Acq: 14 Dec 2021 14:59

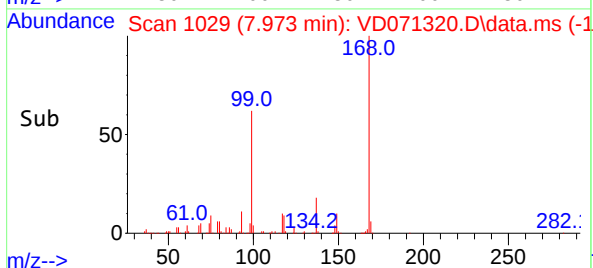
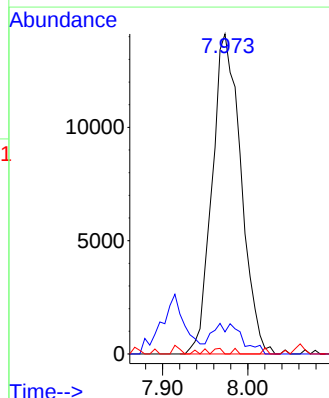
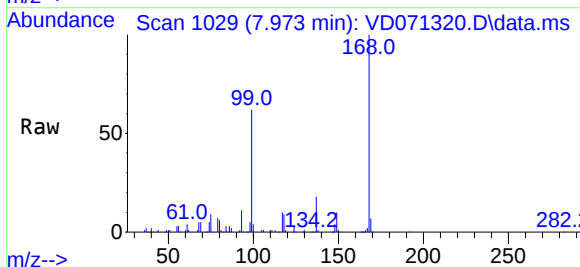
Tgt Ion: 75 Resp: 33159

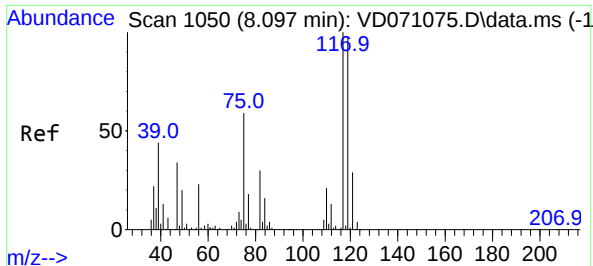
Ion Ratio Lower Upper

75 100

110 2.7 17.8 53.4#

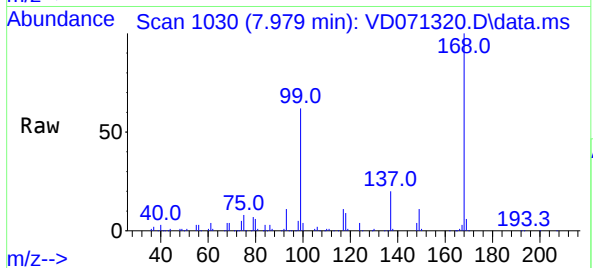
77 0.7 24.8 37.2#



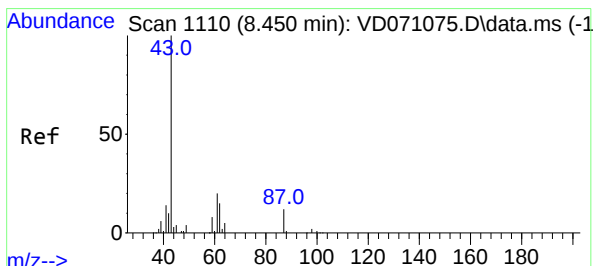
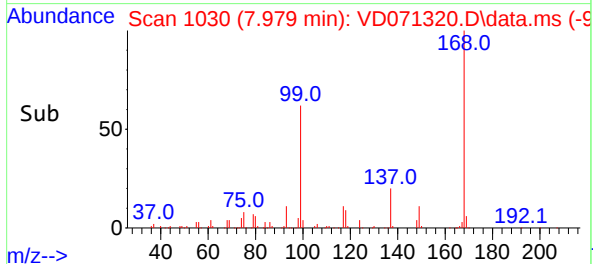
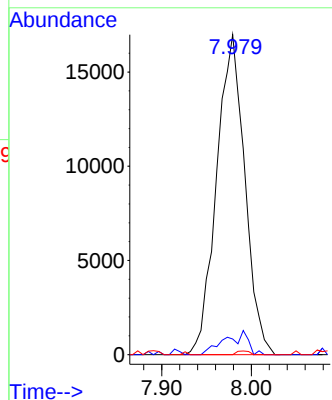


#38
Carbon Tetrachloride
Concen: 6.729 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :

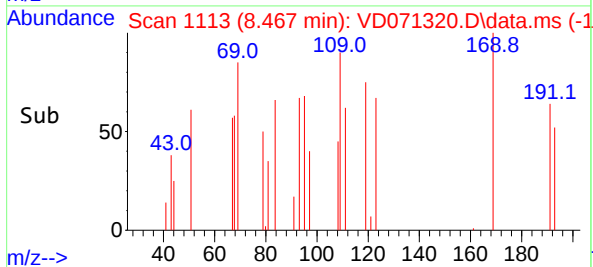
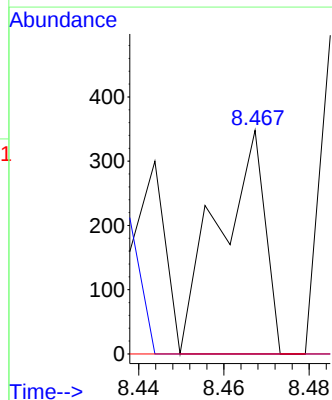
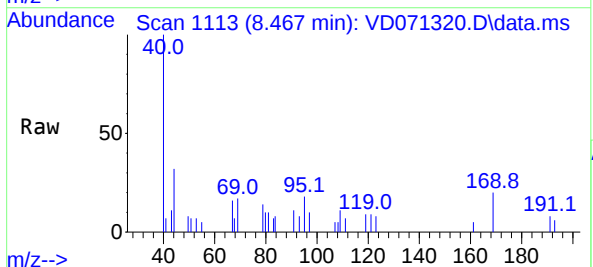


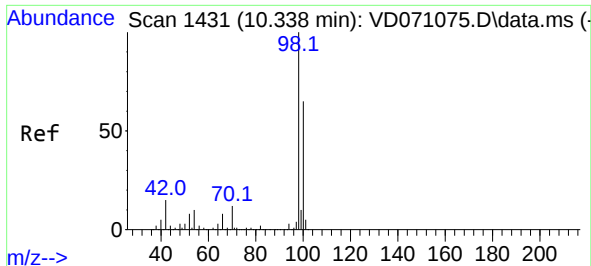
Tgt Ion:117 Resp: 37096
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.267 ug/l
RT: 8.467 min Scan# 1113
Delta R.T. 0.017 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

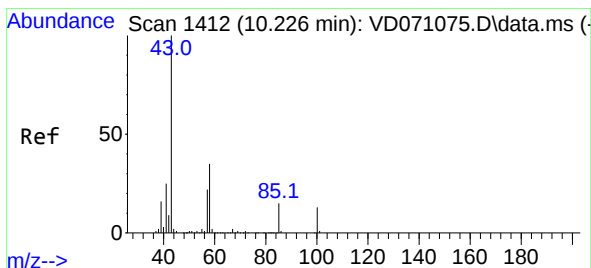
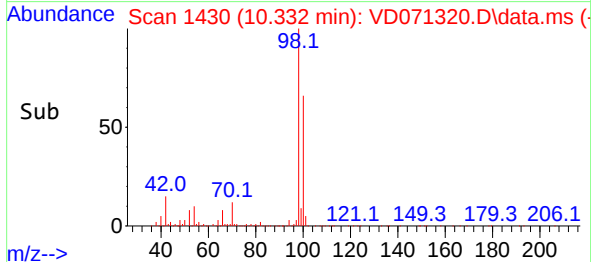
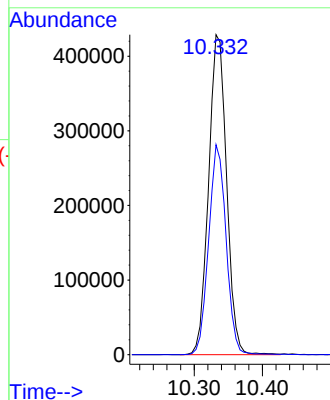
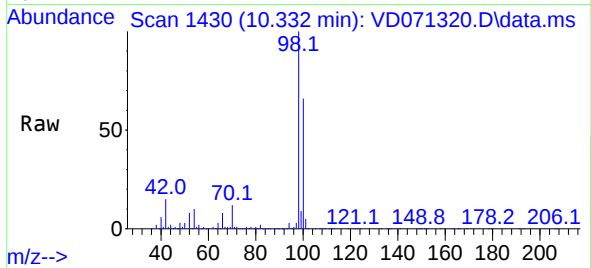




#50
Toluene-d8
Concen: 54.354 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

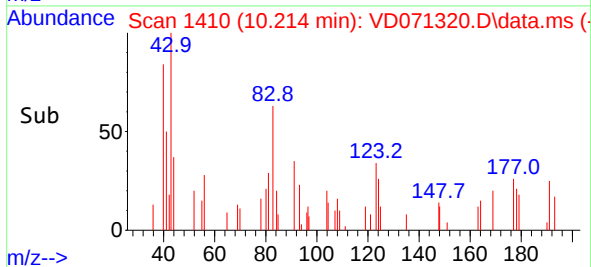
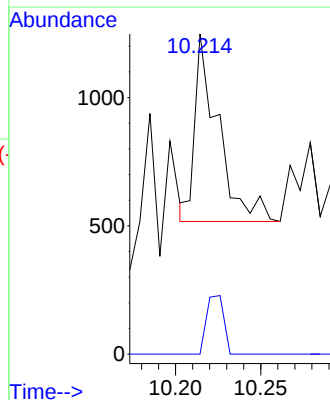
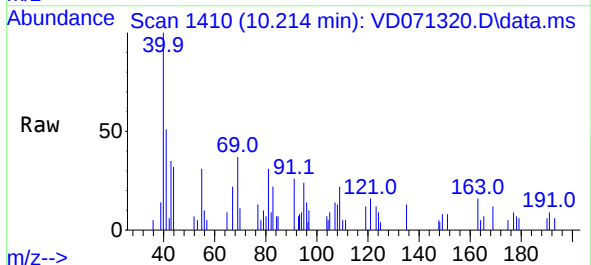
Instrument :
MSVOA_D
ClientSampleId :

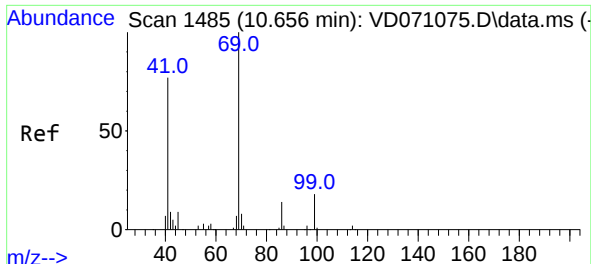
Tgt Ion: 98 Resp: 788100
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.874 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

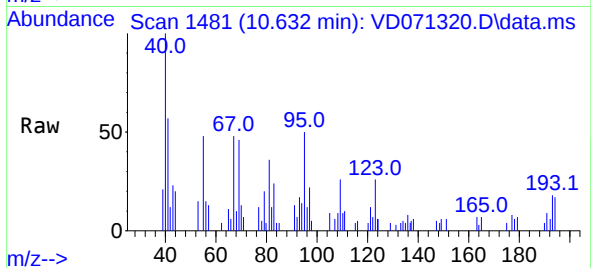
Tgt Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



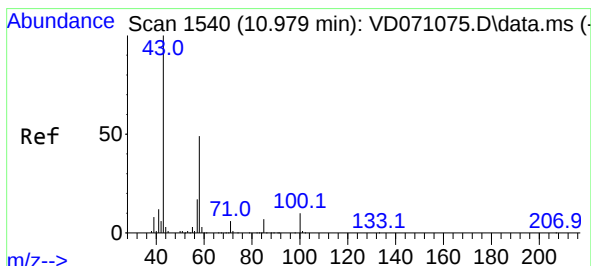
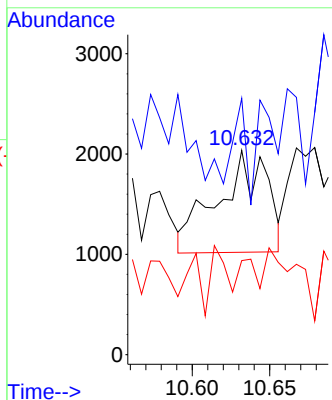
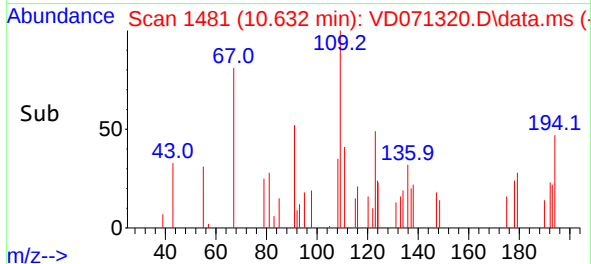


#56
Ethyl methacrylate
Concen: 6.470 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.024 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :

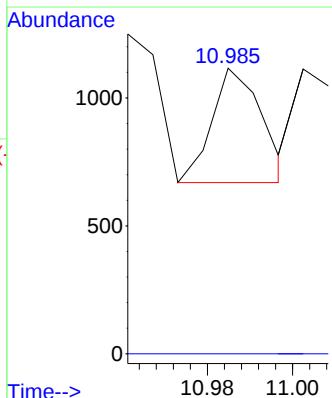
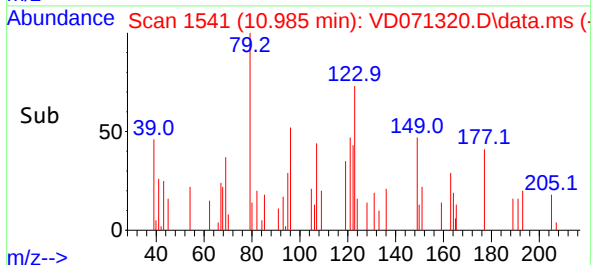
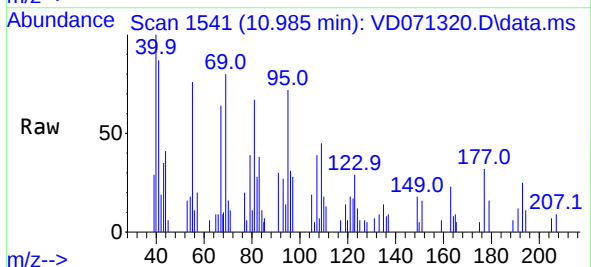


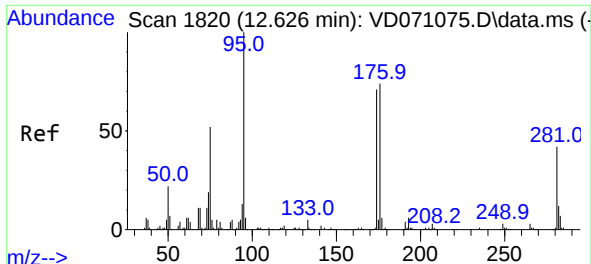
Tgt Ion: 69 Resp: 2221
Ion Ratio Lower Upper
69 100
41 26.8 50.2 75.2#
39 10.8 19.8 29.8#



#59
2-Hexanone
Concen: 34.727 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

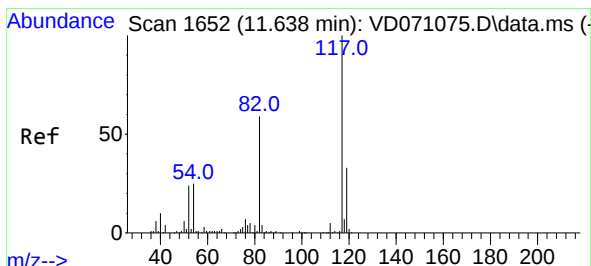
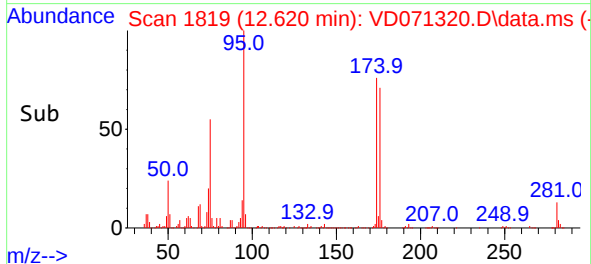
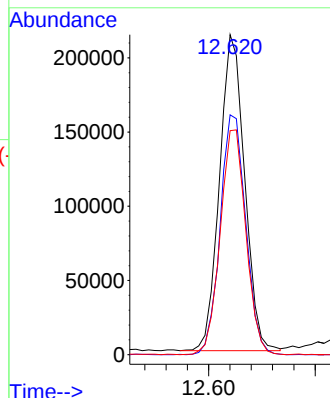
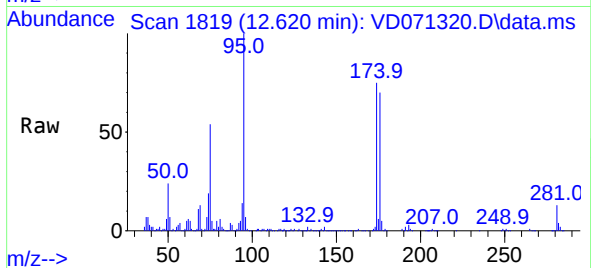




#62
4-Bromofluorobenzene
Concen: 69.124 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

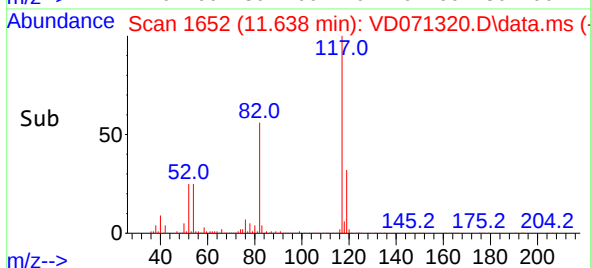
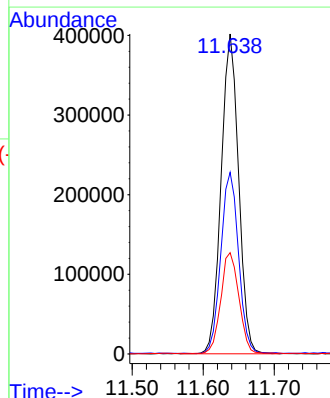
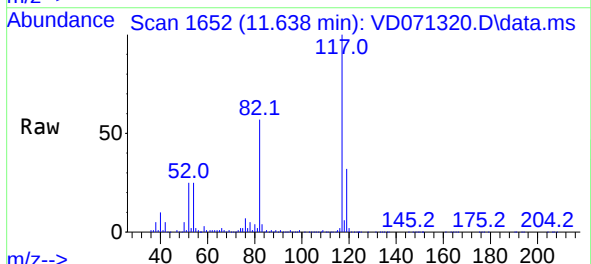
Instrument :
MSVOA_D
ClientSampleId :

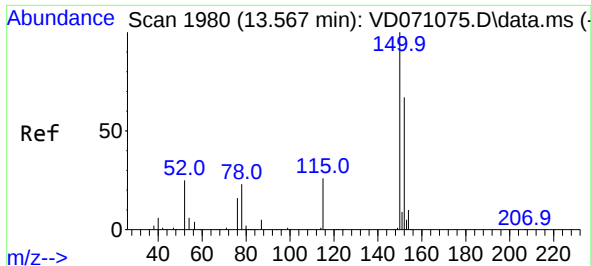
Tgt Ion: 95 Resp: 347419
Ion Ratio Lower Upper
95 100
174 77.3 0.0 159.4
176 72.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 117 Resp: 682814
Ion Ratio Lower Upper
117 100
82 56.6 44.7 67.1
119 31.5 26.2 39.4

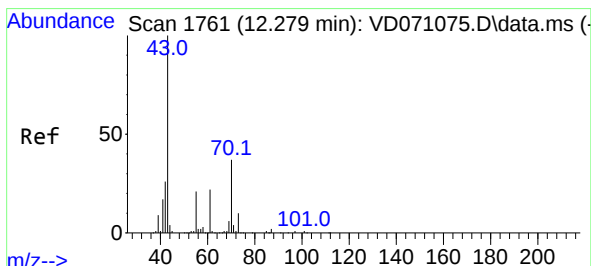
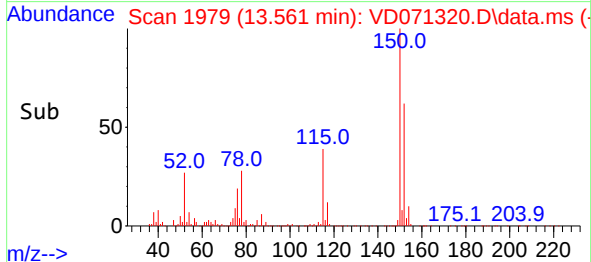
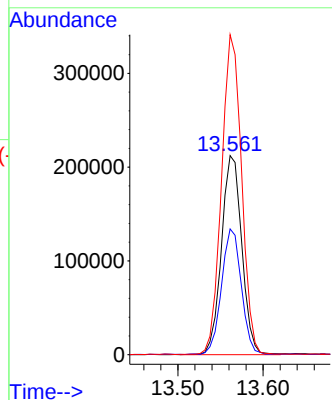
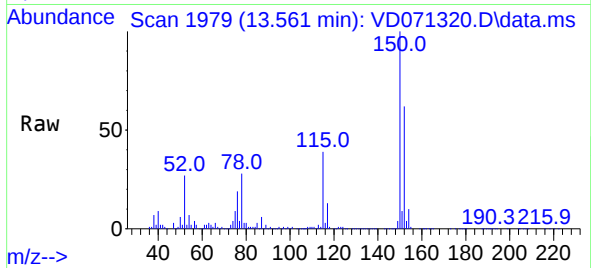




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

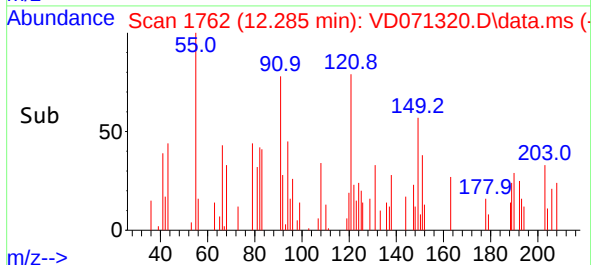
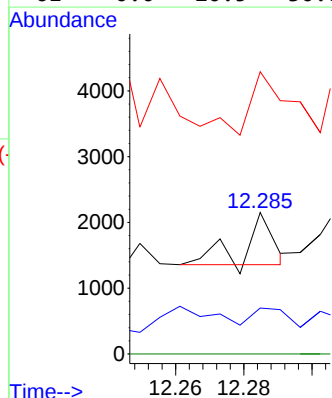
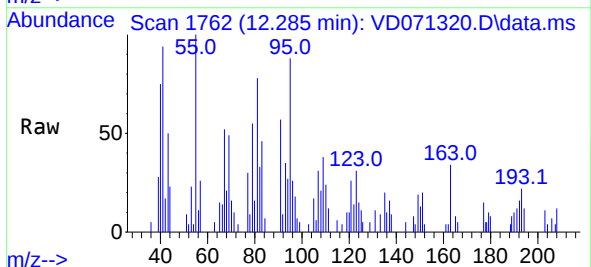
Instrument :
MSVOA_D
ClientSampleId :

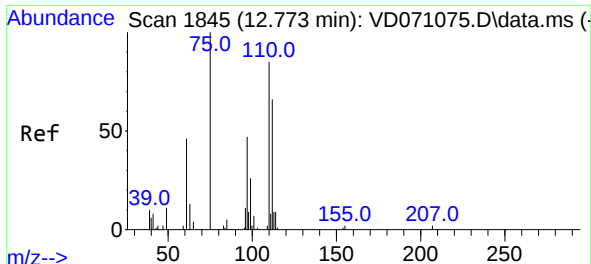
Tgt Ion:152 Resp: 352225
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 158.5 0.0 349.2



#74
N-ethyl acetate
Concen: 5.760 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
70 43.4 36.6 55.0
55 159.4 22.5 33.7#
61 0.0 20.5 30.7#

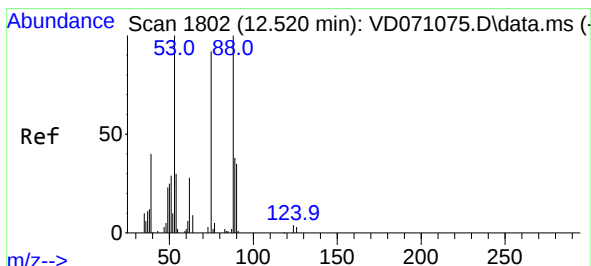
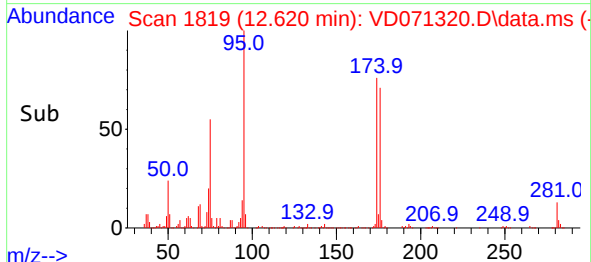
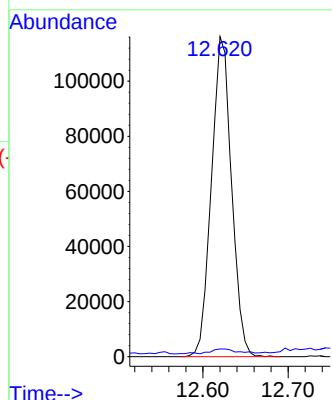
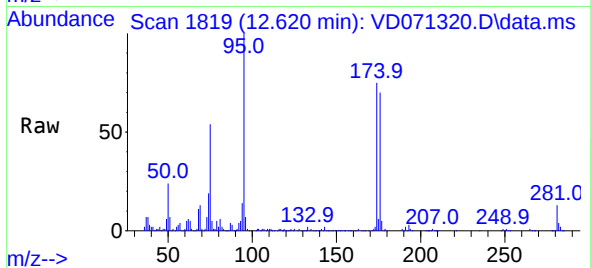




#76
1,2,3-Trichloropropane
Concen: 56.878 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 190873
Ion Ratio Lower Upper
75 100
77 2.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.445 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071320.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 75 Resp: 190873
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.4 34.5 51.7#

