

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071208.D
 Acq On : 08 Dec 2021 16:26
 Operator : VA/SY
 Sample : M4966-01
 Misc : 6.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:17:38 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)

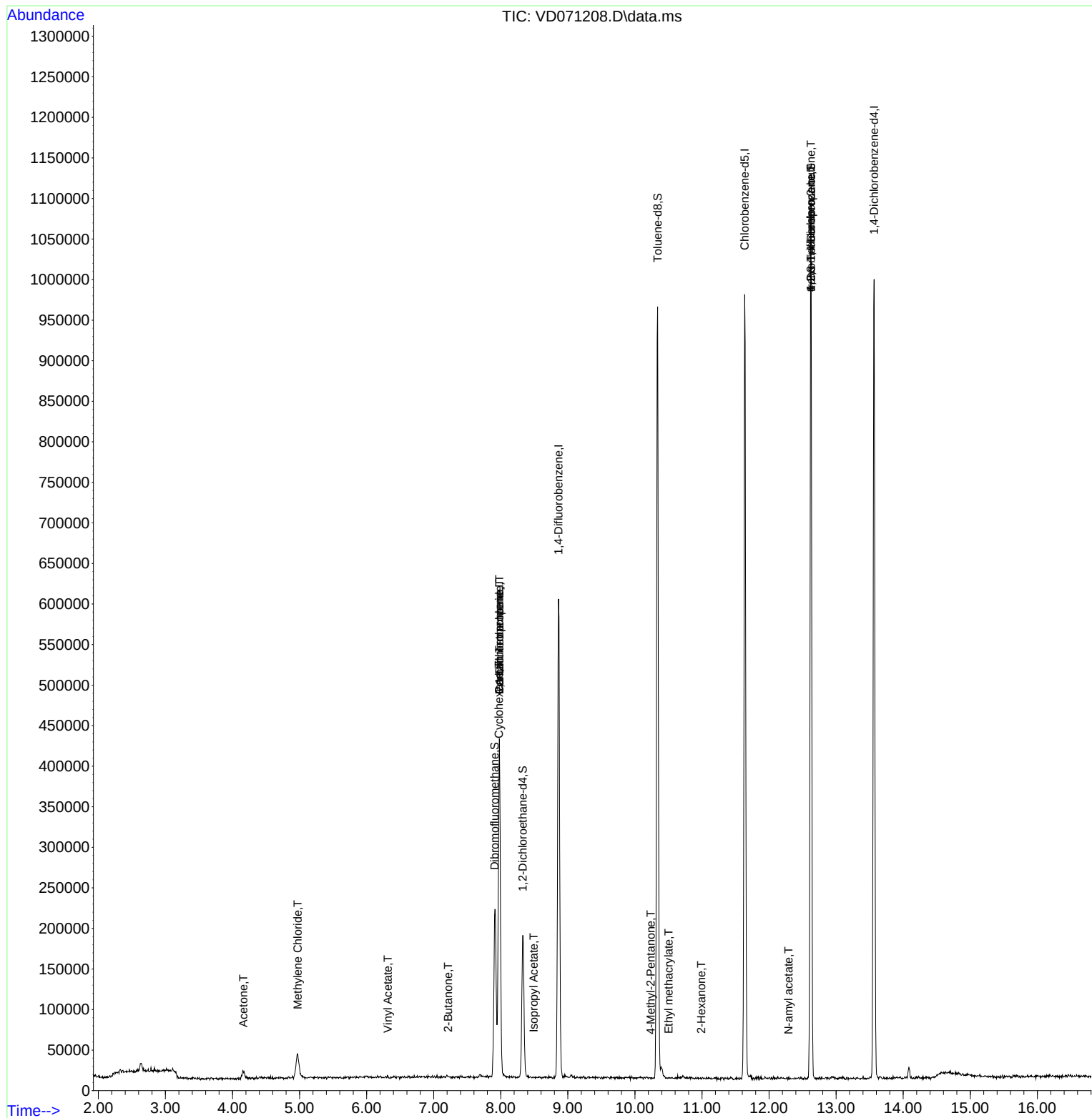
Internal Standards						
1) Pentafluorobenzene	7.979	168	279885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	478434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	509993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	239027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	137776	41.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.900%
35) Dibromofluoromethane	7.908	113	146031	47.932	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.860%
50) Toluene-d8	10.338	98	618742	53.368	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.740%
62) 4-Bromofluorobenzene	12.626	95	245371	61.054	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	76	Below Cal	#	71
16) Acetone	4.161	43	15389	46.269	ug/l	89
20) Methylene Chloride	4.973	84	21261	2.443	ug/l	91
23) Vinyl Acetate	6.314	43	66	27.229	ug/l	# 72
25) 2-Butanone	7.214	43	136	28.479	ug/l	# 45
31) Cyclohexane	7.973	56	7808	1.398	ug/l	# 12
36) 1,1-Dichloropropene	7.979	75	25907	5.794	ug/l	# 48
38) Carbon Tetrachloride	7.979	117	30999	7.033	ug/l	# 17
41) Methacrylonitrile	7.555	41	129	Below Cal	#	9
43) Isopropyl Acetate	8.491	43	63	5.236	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.238	43	204	30.734	ug/l	# 34
56) Ethyl methacrylate	10.502	69	55	5.986	ug/l	# 28
59) 2-Hexanone	10.991	43	79	34.615	ug/l	# 22
74) N-amyl acetate	12.290	43	84	5.717	ug/l	# 40
76) 1,2,3-Trichloropropane	12.626	75	142592	62.613	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	142592	135.311	ug/l	# 19

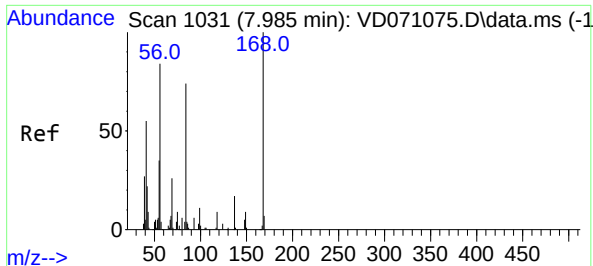
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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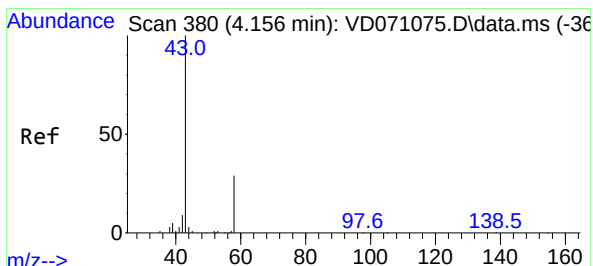
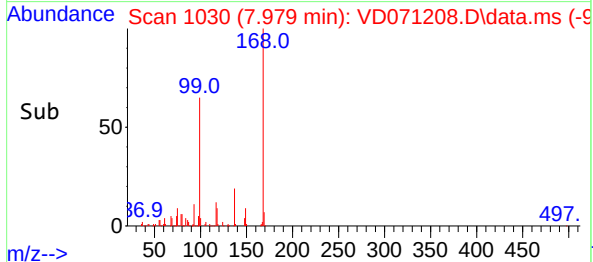
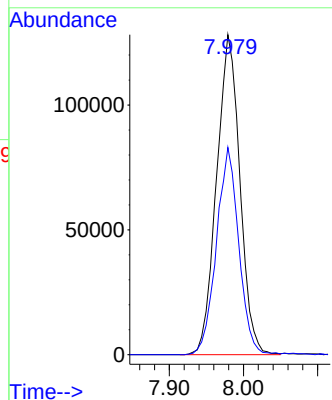
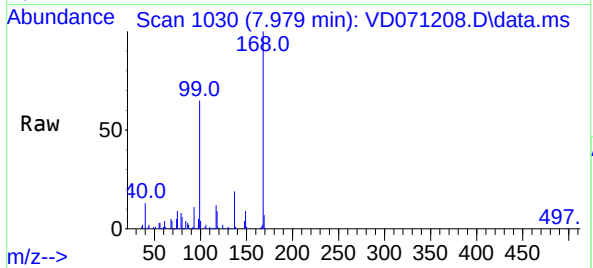




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

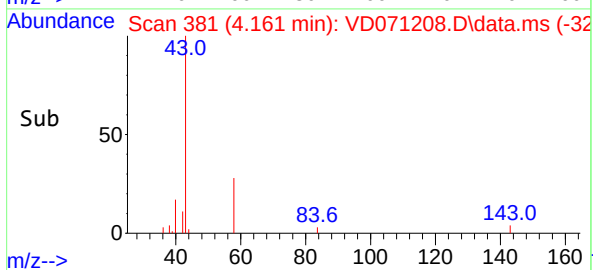
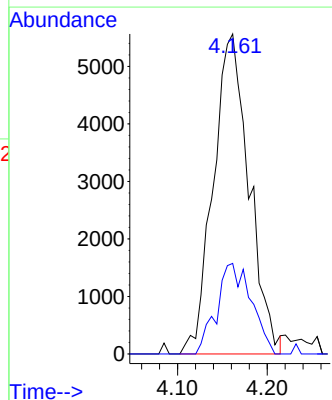
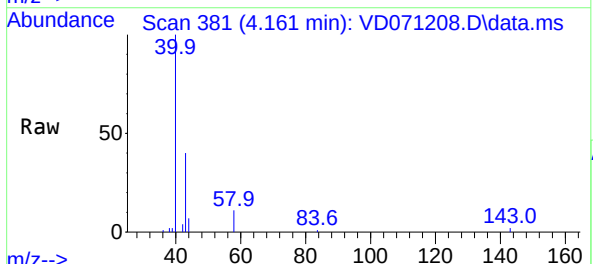
Instrument :
MSVOA_D
ClientSampleId :

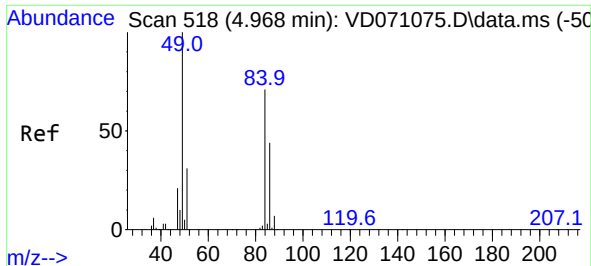
Tgt Ion:168 Resp: 279885
Ion Ratio Lower Upper
168 100
99 64.7 46.6 69.8



#16
Acetone
Concen: 46.269 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

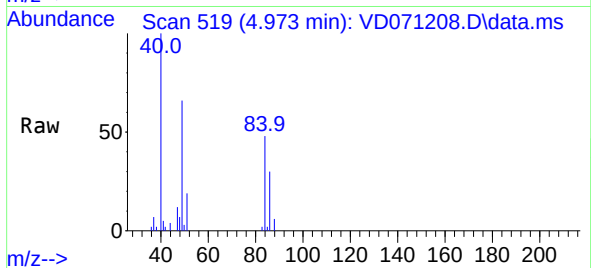
Tgt Ion: 43 Resp: 15389
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8





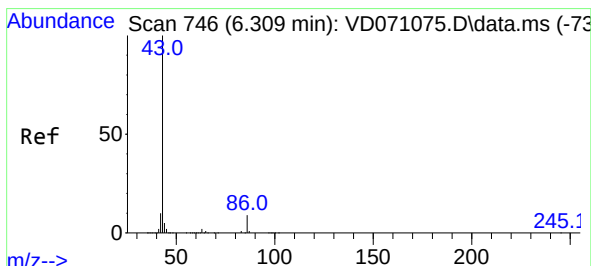
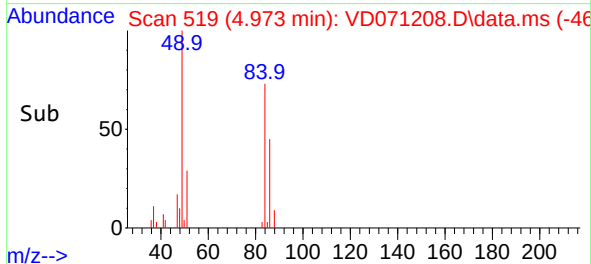
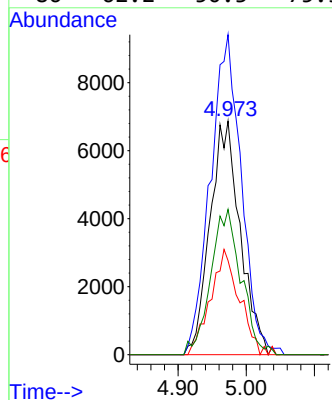
#20
Methylene Chloride
Concen: 2.443 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 21261

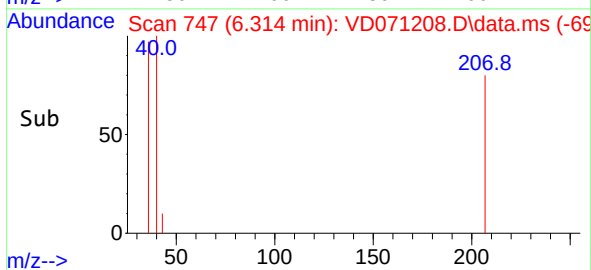
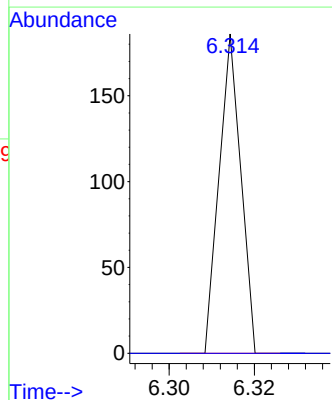
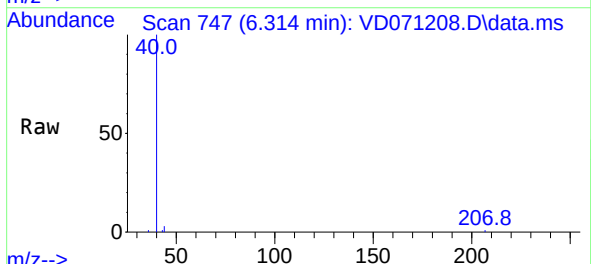
Ion	Ratio	Lower	Upper
84	100		
49	137.0	95.8	143.6
51	40.3	30.9	46.3
86	62.2	50.3	75.5

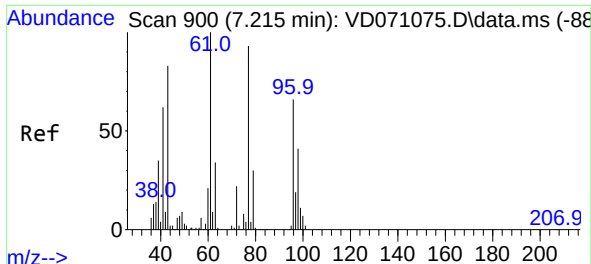


#23
Vinyl Acetate
Concen: 27.229 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 43 Resp: 66

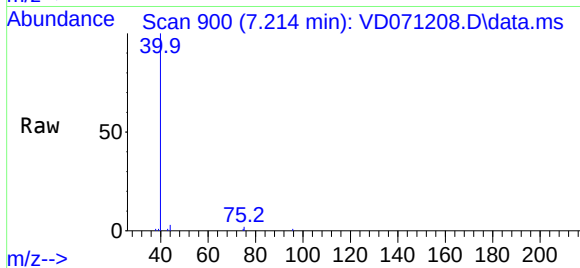
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



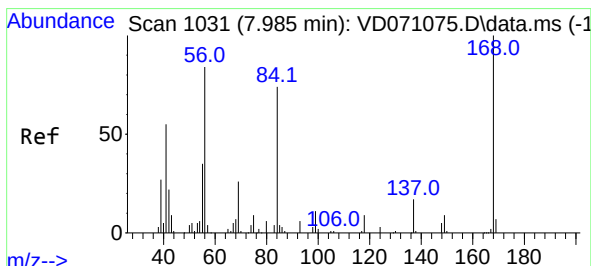
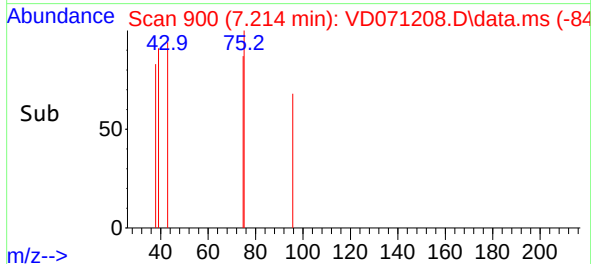
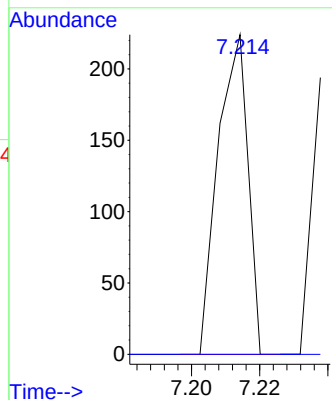


#25
2-Butanone
Concen: 28.479 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Instrument :
MSVOA_D
ClientSampleId :

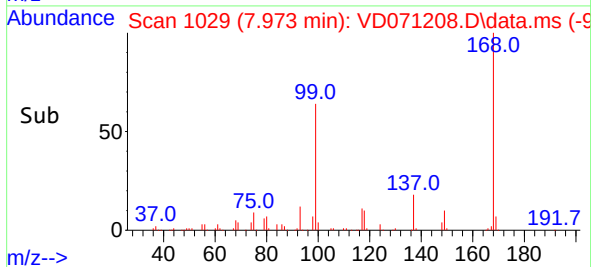
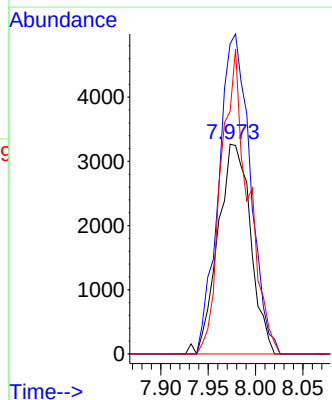
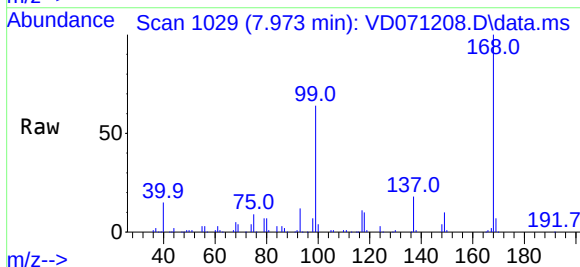


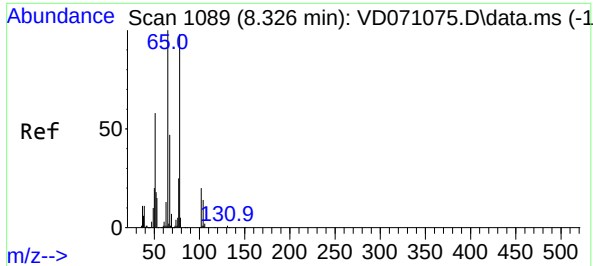
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 56 Resp: 7808
Ion Ratio Lower Upper
56 100
69 147.9 25.9 38.9#
84 115.7 64.3 96.5#



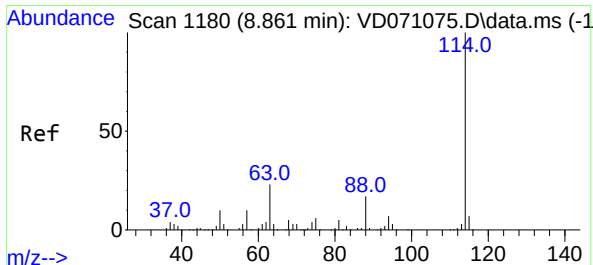
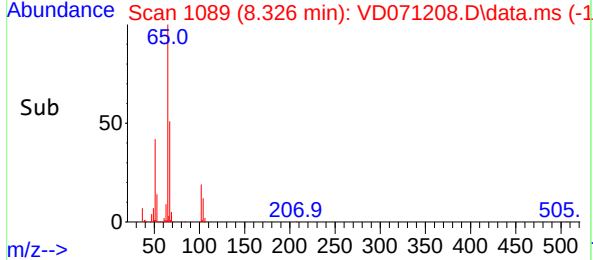
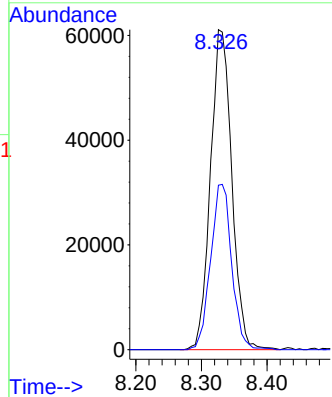
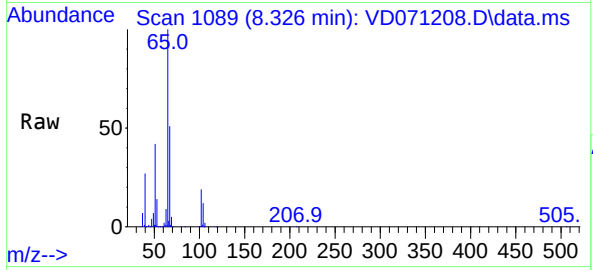


#33
1,2-Dichloroethane-d4
Concen: 41.952 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 137776

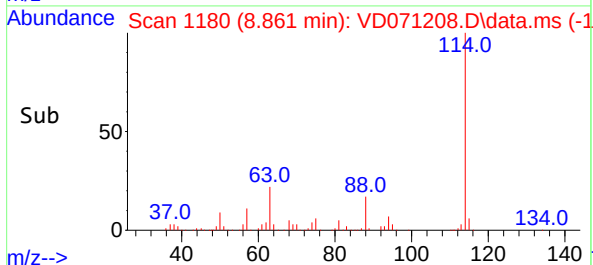
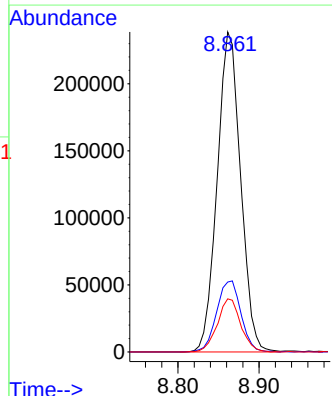
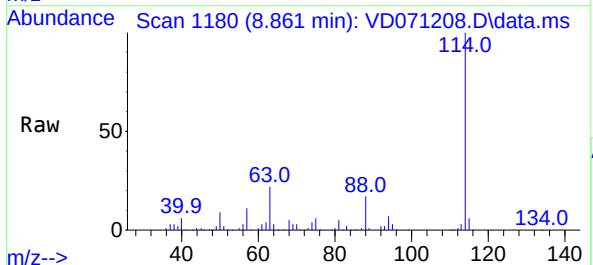
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	112.2

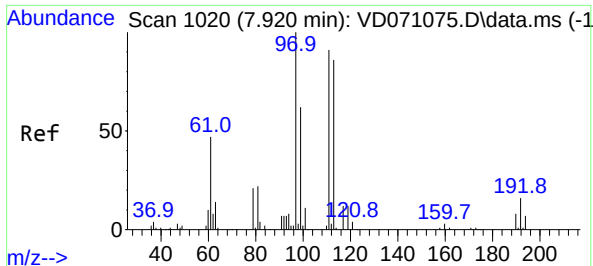


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 114 Resp: 478434

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	41.8
88	16.6	0.0	32.8





#35

Dibromofluoromethane

Concen: 47.932 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071208.D

Acq: 08 Dec 2021 16:26

Instrument :

MSVOA_D

ClientSampleId :

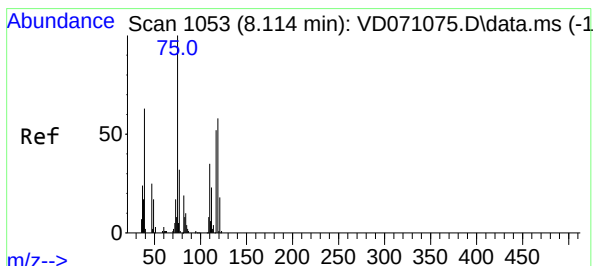
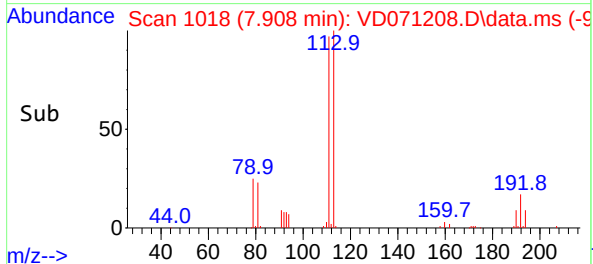
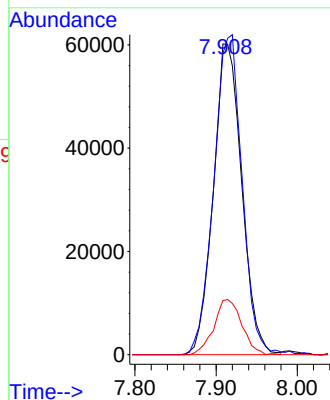
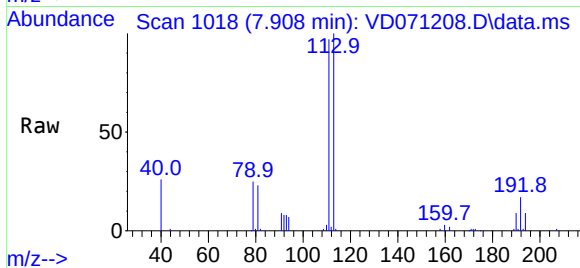
Tgt Ion:113 Resp: 146031

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 17.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.794 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071208.D

Acq: 08 Dec 2021 16:26

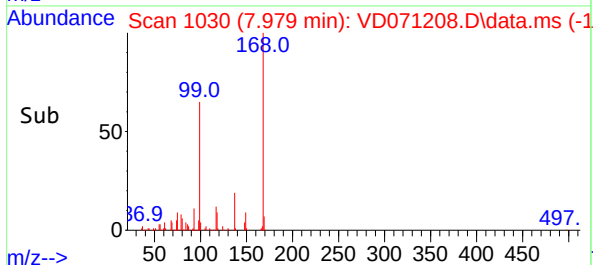
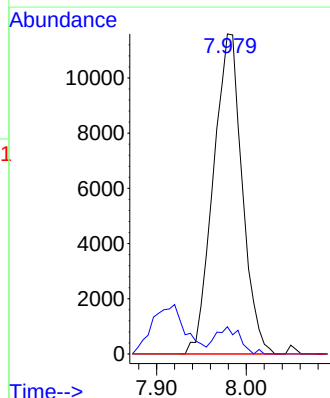
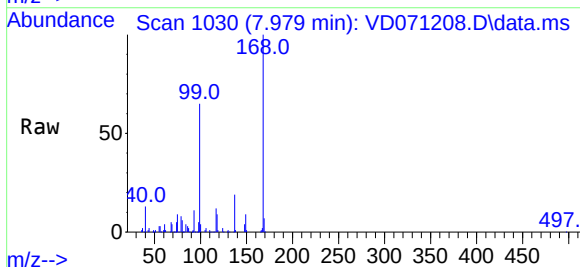
Tgt Ion: 75 Resp: 25907

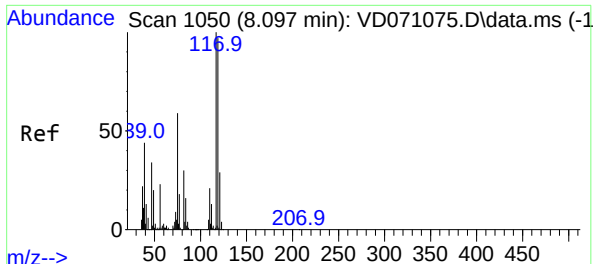
Ion Ratio Lower Upper

75 100

110 7.2 17.8 53.4#

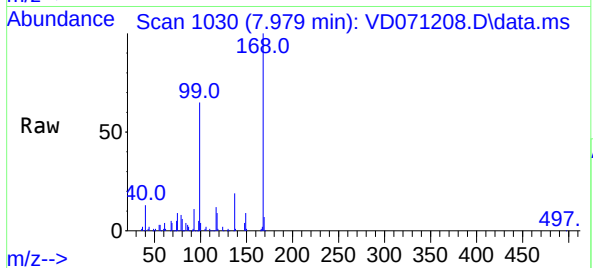
77 0.0 24.8 37.2#



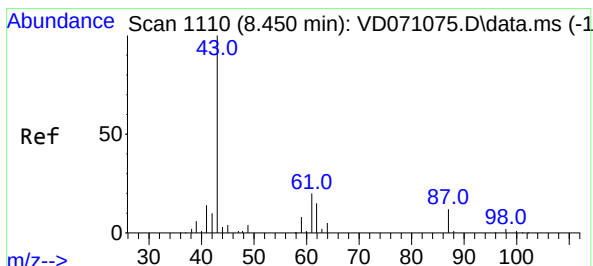
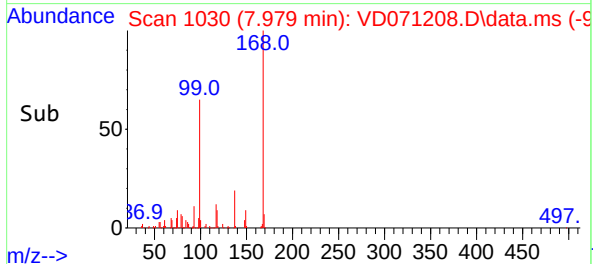
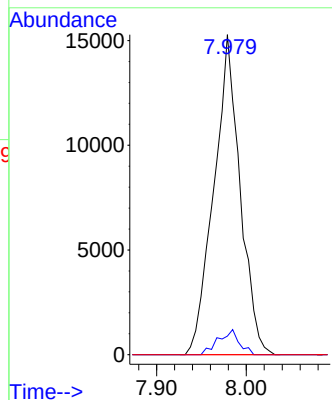


#38
Carbon Tetrachloride
Concen: 7.033 ug/l
RT: 7.979 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Instrument :
MSVOA_D
ClientSampleId :

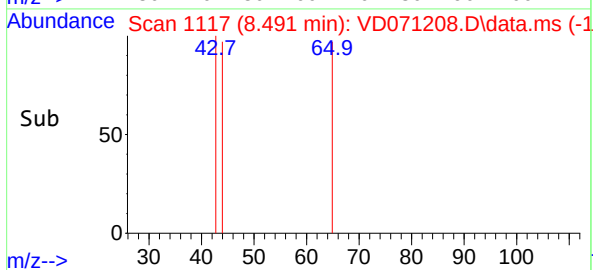
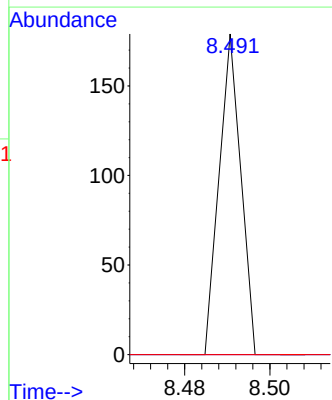
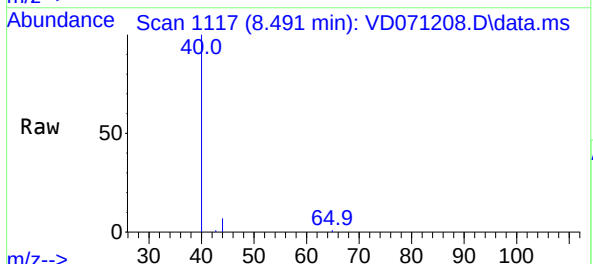


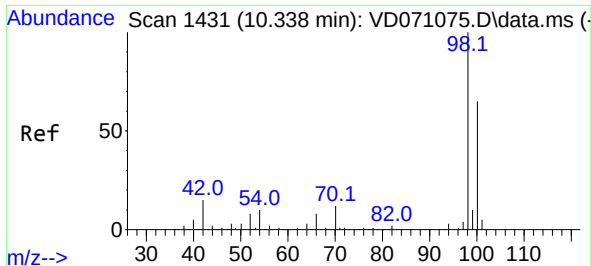
Tgt Ion:117 Resp: 30999
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.236 ug/l
RT: 8.491 min Scan# 1117
Delta R.T. 0.041 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

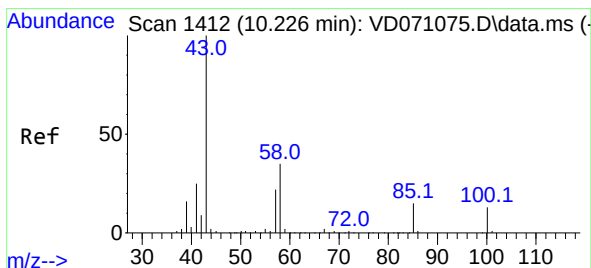
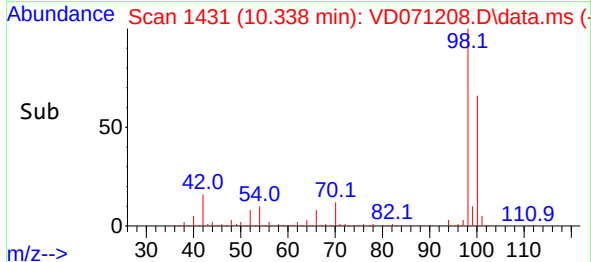
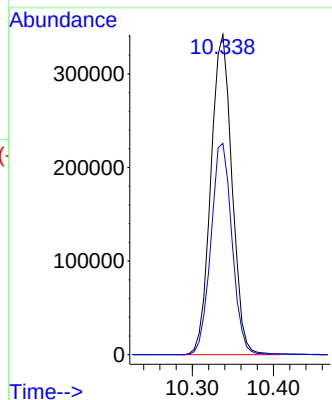
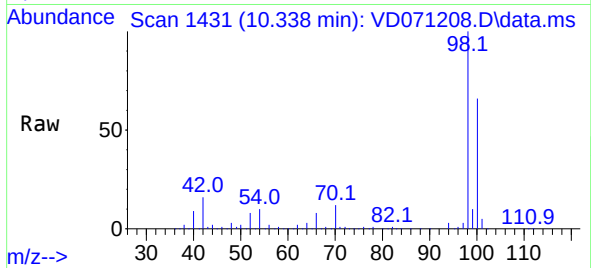




#50
Toluene-d8
Concen: 53.368 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

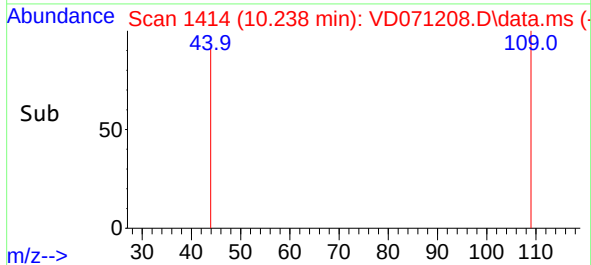
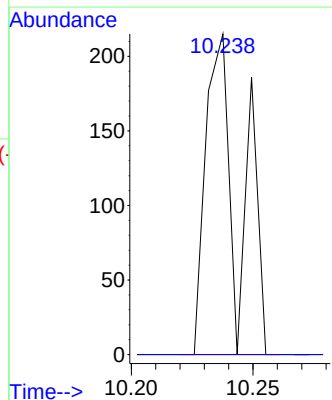
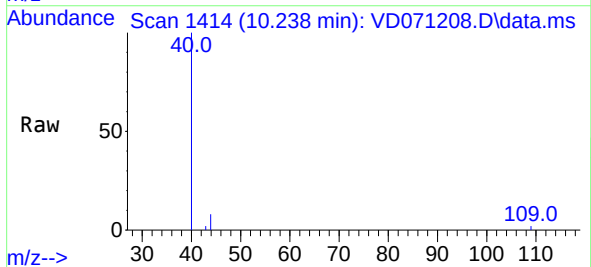
Instrument :
MSVOA_D
ClientSampleId :

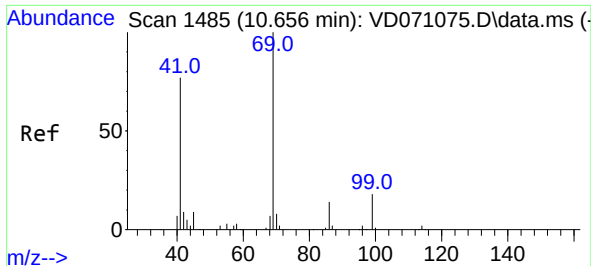
Tgt Ion: 98 Resp: 618742
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.734 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

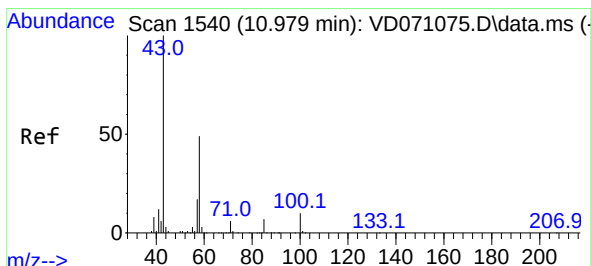
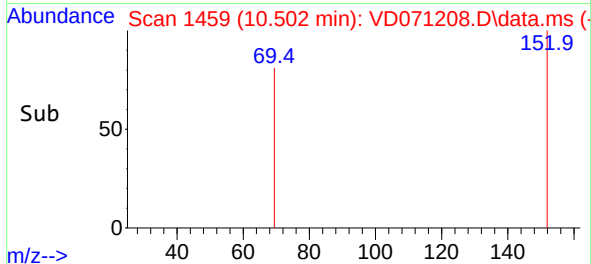
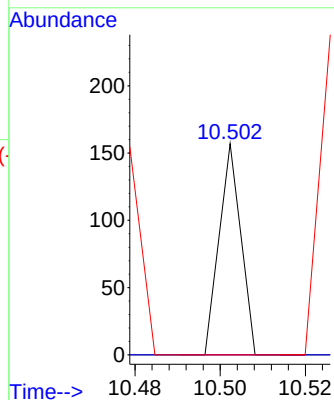
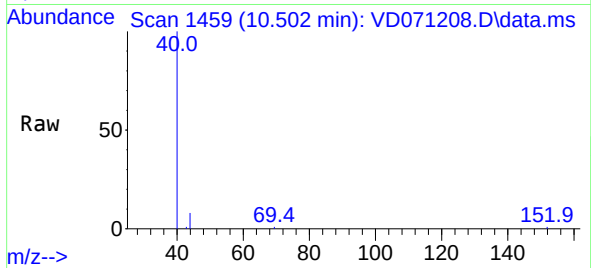




#56
Ethyl methacrylate
Concen: 5.986 ug/l
RT: 10.502 min Scan# 1485
Delta R.T. -0.154 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

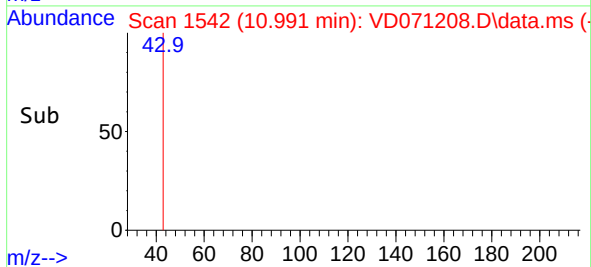
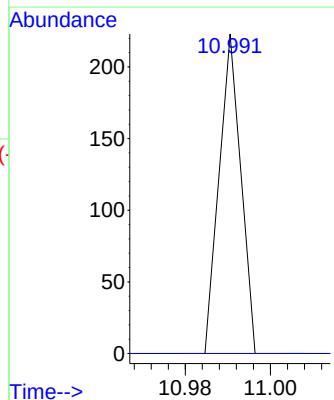
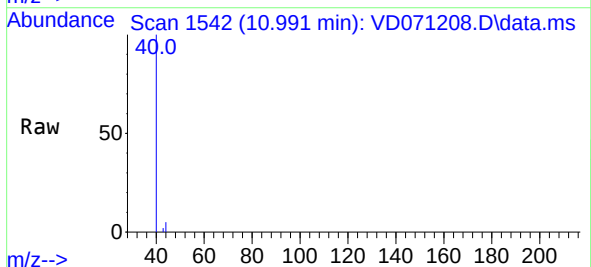
Instrument :
MSVOA_D
ClientSampleId :

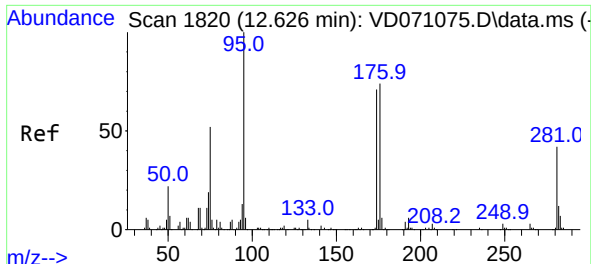
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.615 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

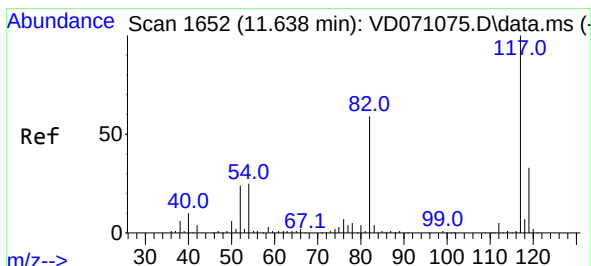
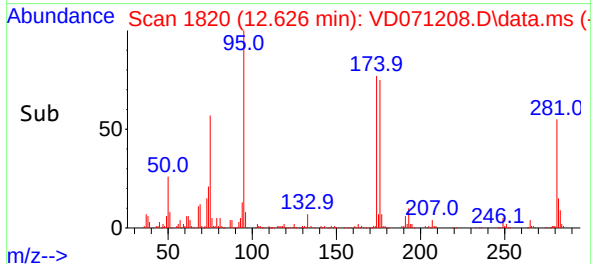
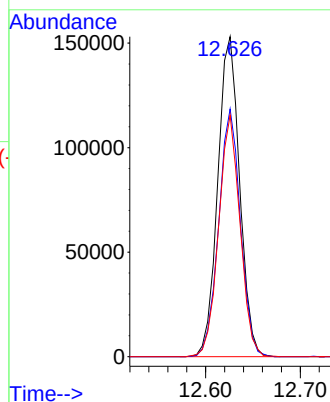
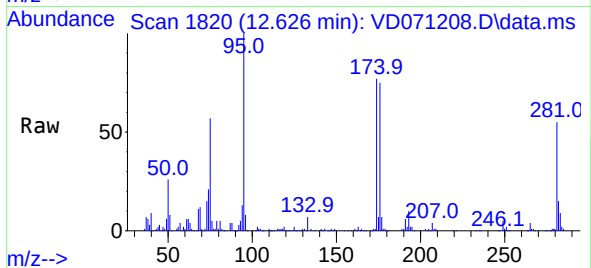




#62
4-Bromofluorobenzene
Concen: 61.054 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

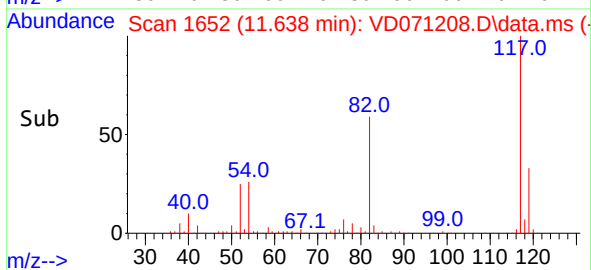
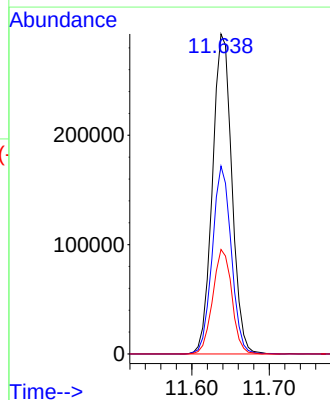
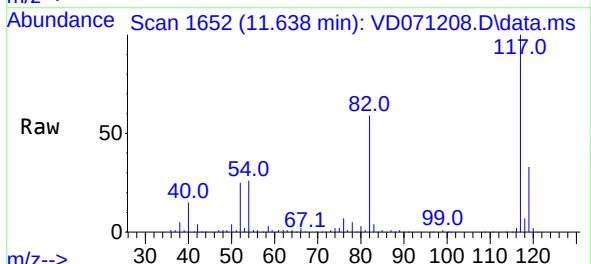
Instrument :
MSVOA_D
ClientSampleId :

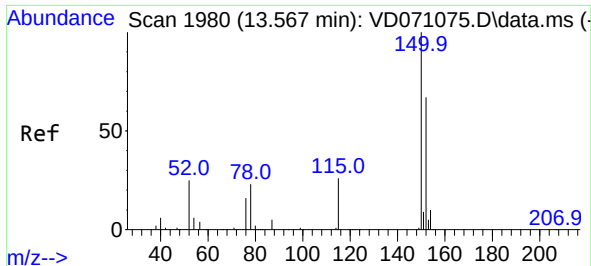
Tgt Ion: 95 Resp: 245371
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.4
176 73.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

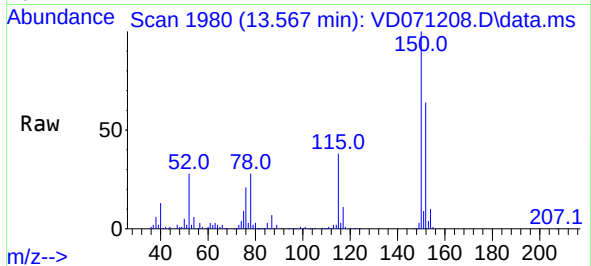
Tgt Ion: 117 Resp: 509993
Ion Ratio Lower Upper
117 100
82 58.7 44.7 67.1
119 32.6 26.2 39.4



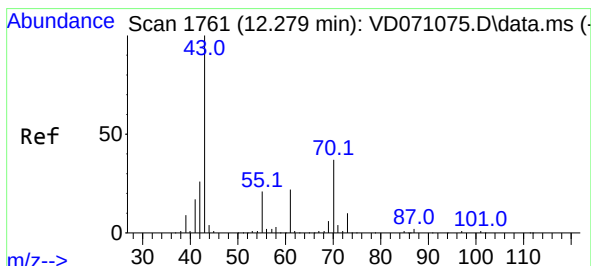
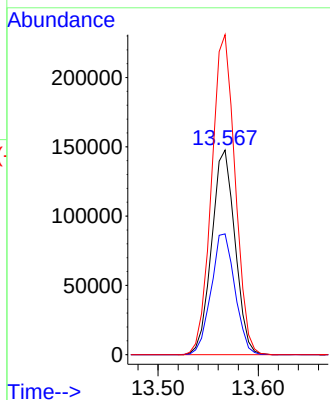
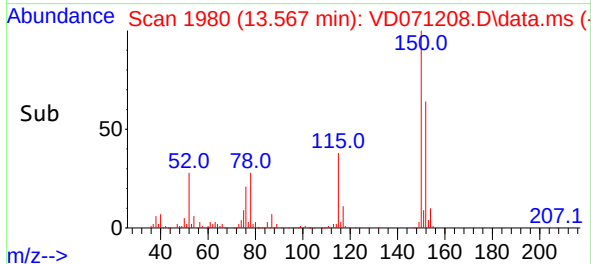


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

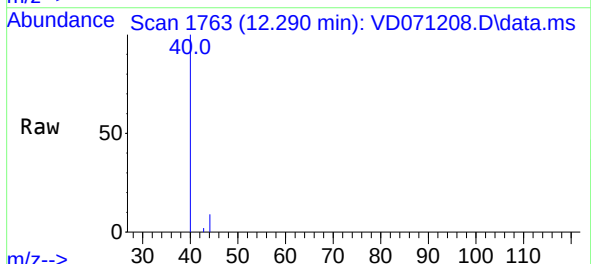
Instrument :
MSVOA_D
ClientSampleId :



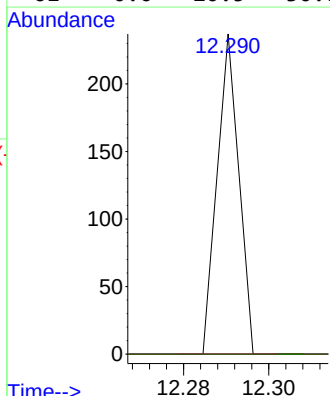
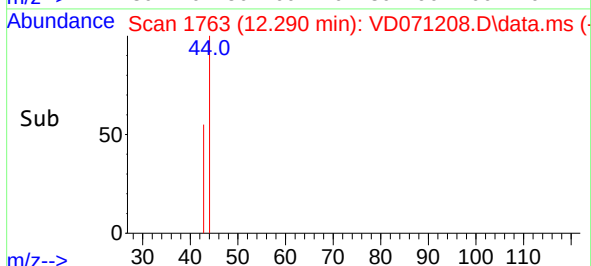
Tgt Ion:152 Resp: 239027
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 157.3 0.0 349.2

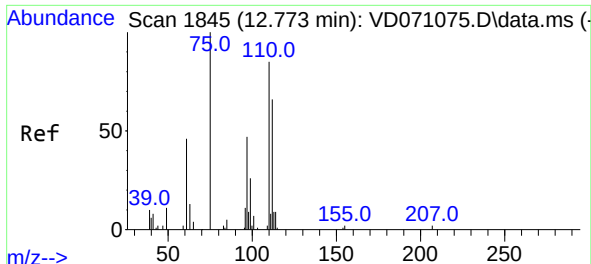


#74
N-ethyl acetate
Concen: 5.717 ug/l
RT: 12.290 min Scan# 1763
Delta R.T. 0.011 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26



Tgt Ion: 43 Resp: 84
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#

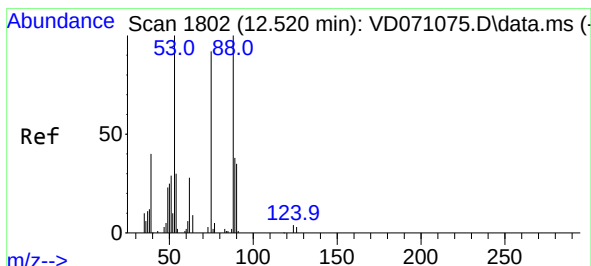
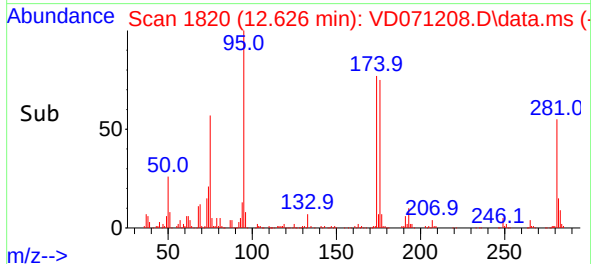
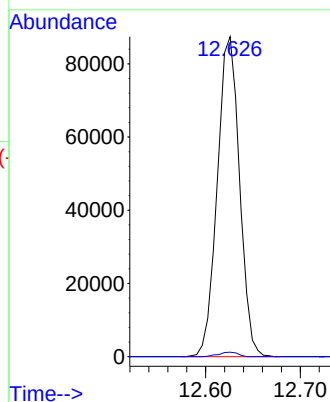
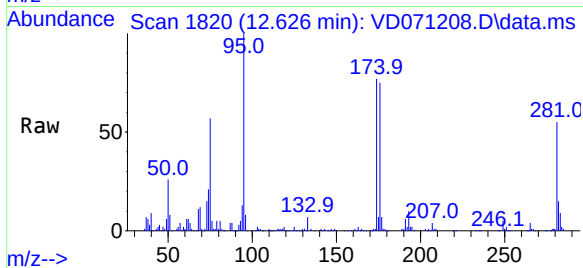




#76
1,2,3-Trichloropropane
Concen: 62.613 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 142592
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.311 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071208.D
Acq: 08 Dec 2021 16:26

Tgt Ion: 75 Resp: 142592
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.9 34.5 51.7#

