

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072231.D
 Acq On : 16 Mar 2022 21:19
 Operator : VA/SY
 Sample : N1894-03
 Misc : 4.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3(0-10)

Quant Time: Mar 17 02:29:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	463921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	769066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	818484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	415138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235298	45.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.020%
35) Dibromofluoromethane	7.908	113	236777	43.751	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.500%
50) Toluene-d8	10.331	98	947372	47.874	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.620	95	405340	52.716	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.440%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.308	142	763	2.380	ug/l #	57
11) Tert butyl alcohol	5.179	59	6644	22.164	ug/l #	74
16) Acetone	4.155	43	3625	3.229	ug/l	92
17) Carbon Disulfide	4.402	76	3105	1.803	ug/l	98
20) Methylene Chloride	4.961	84	22706	Below Cal	#	86
31) Cyclohexane	7.973	56	10564	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	38721	5.100	ug/l #	51
38) Carbon Tetrachloride	7.973	117	48064	5.569	ug/l #	17
76) 1,2,3-Trichloropropane	12.625	75	204964	44.758	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	204964	111.050	ug/l #	7

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

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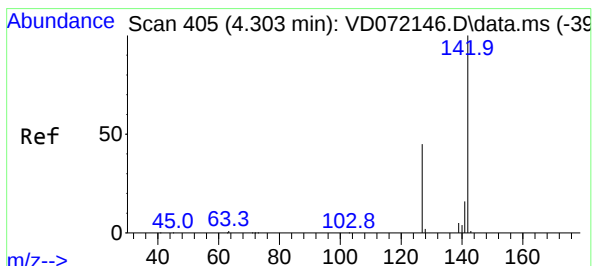
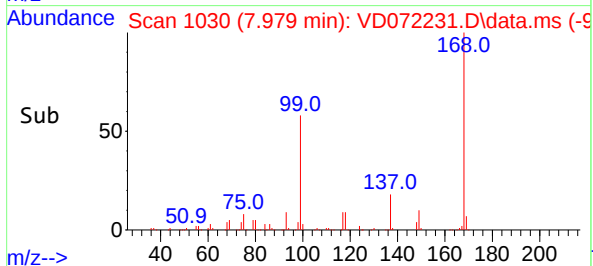
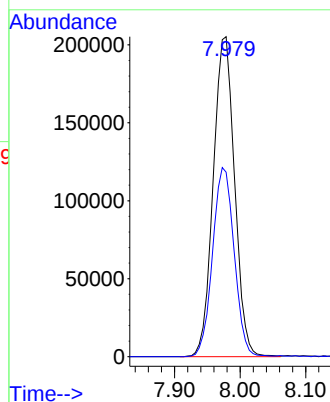
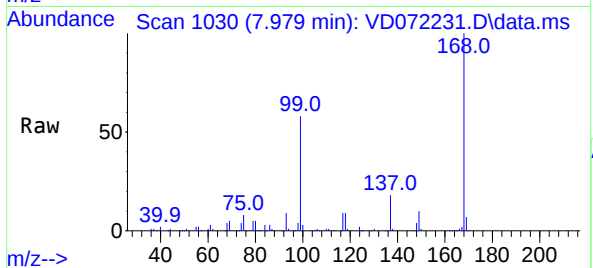




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

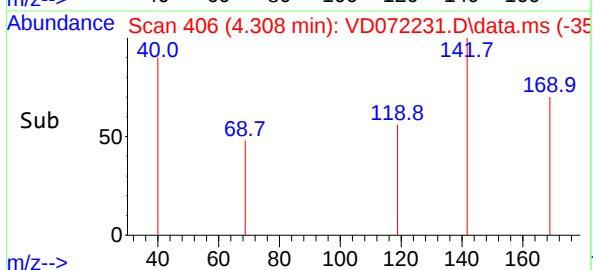
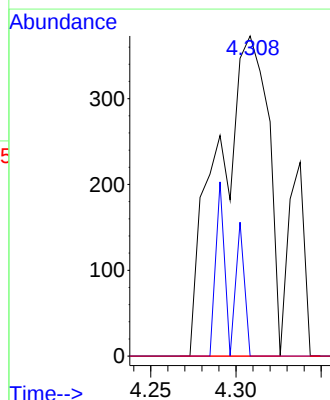
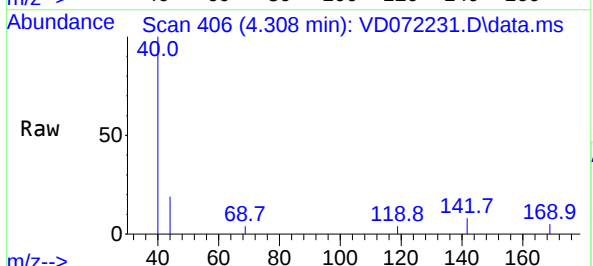
Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

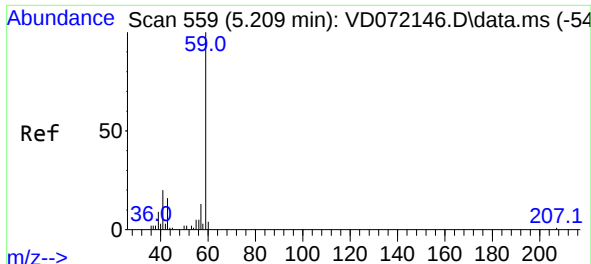
Tgt Ion:168 Resp: 463921
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#10
Methyl Iodide
Concen: 2.380 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion:142 Resp: 763
Ion Ratio Lower Upper
142 100
127 16.6 37.3 55.9#
141 0.0 11.7 17.5#

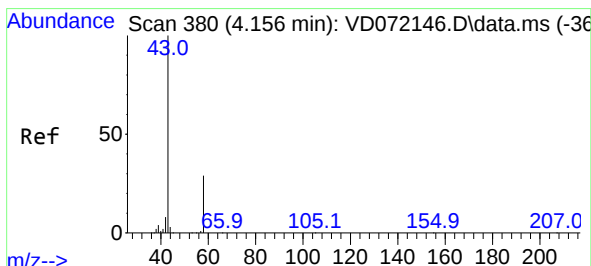
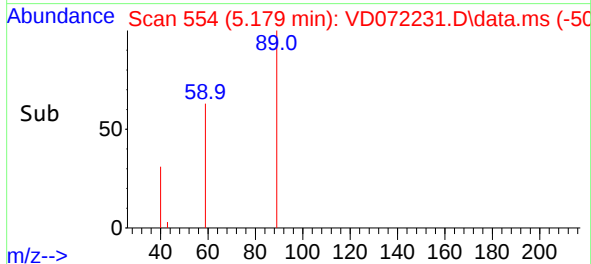
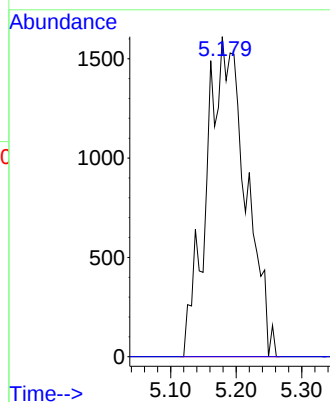
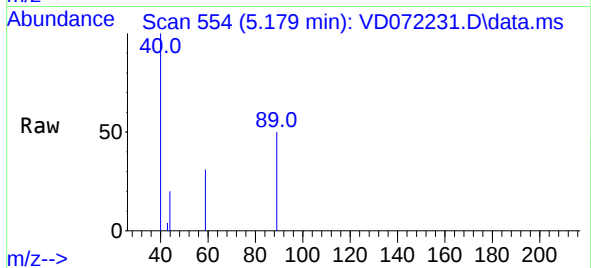




#11
Tert butyl alcohol
Concen: 22.164 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

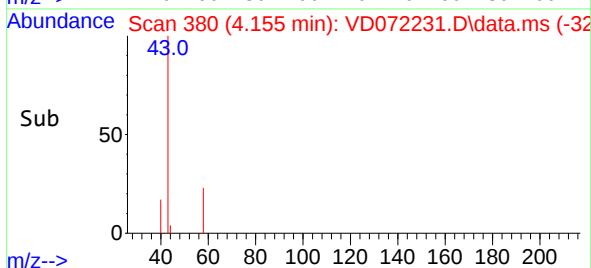
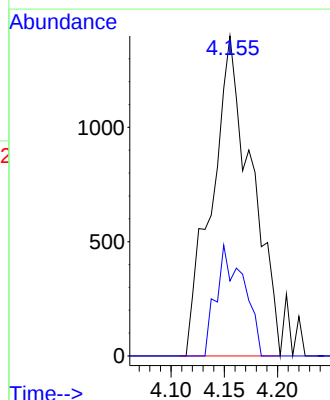
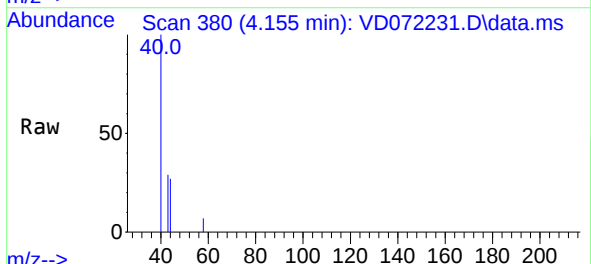
Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

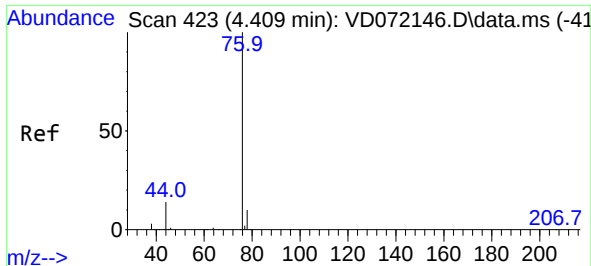
Tgt Ion: 59 Resp: 6644
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.229 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion: 43 Resp: 3625
Ion Ratio Lower Upper
43 100
58 23.4 22.1 33.1

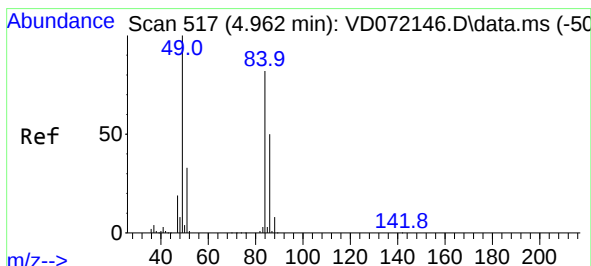
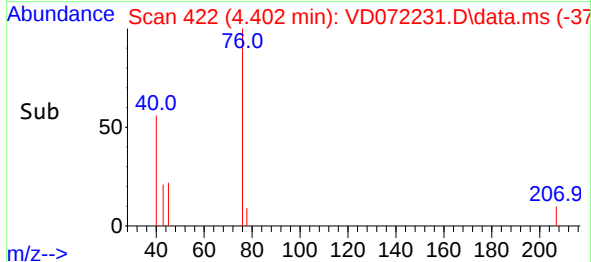
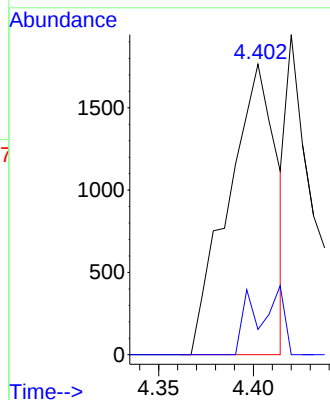
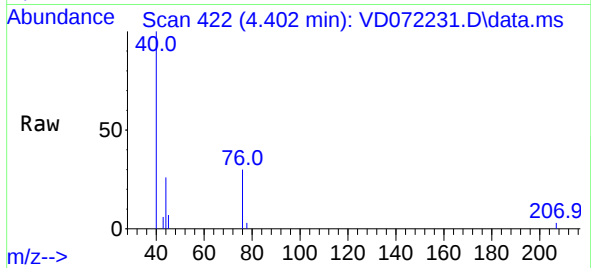




#17
Carbon Disulfide
Concen: 1.803 ug/l
RT: 4.402 min Scan# 41
Delta R.T. -0.007 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

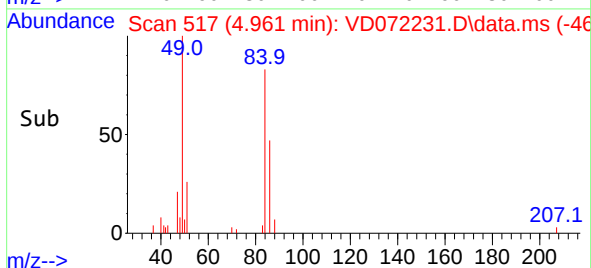
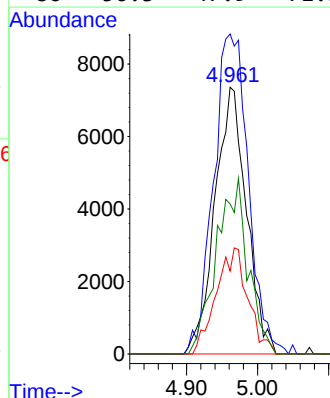
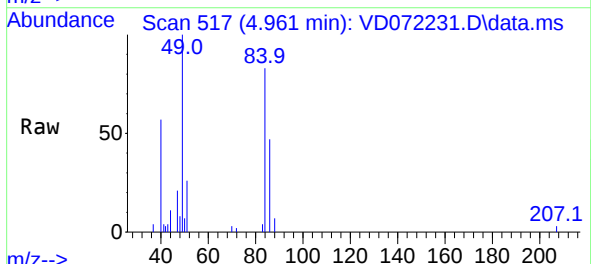
Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

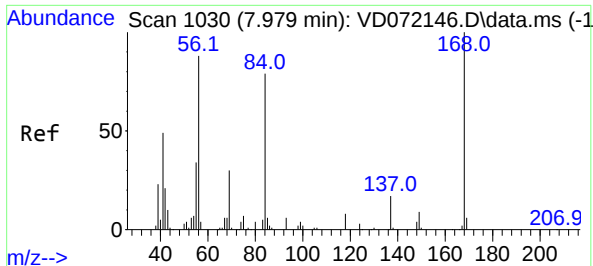
Tgt Ion: 76 Resp: 3105
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion: 84 Resp: 22706
Ion Ratio Lower Upper
84 100
49 120.0 112.8 169.2
51 31.1 32.6 48.8#
86 56.3 47.9 71.9

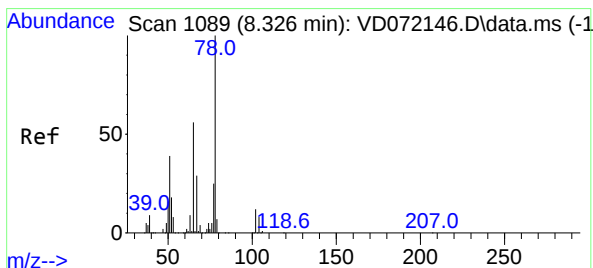
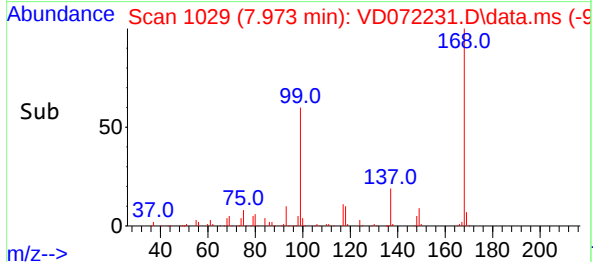
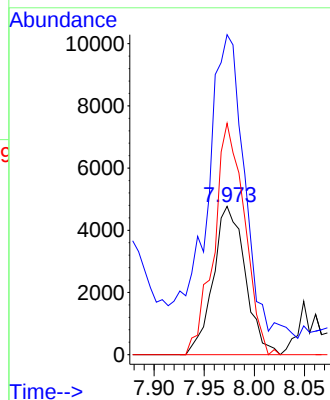
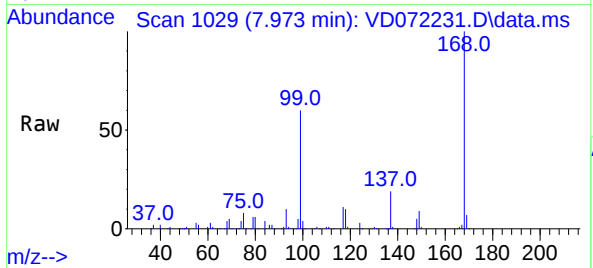




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

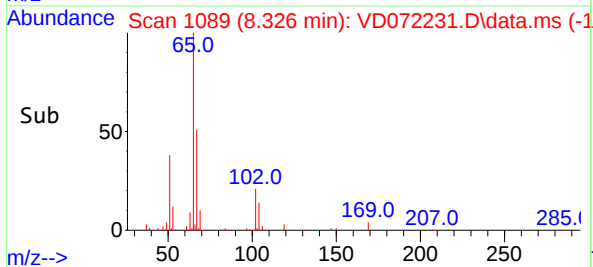
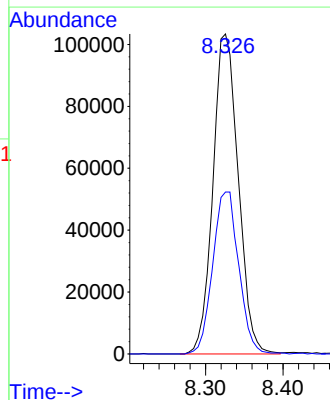
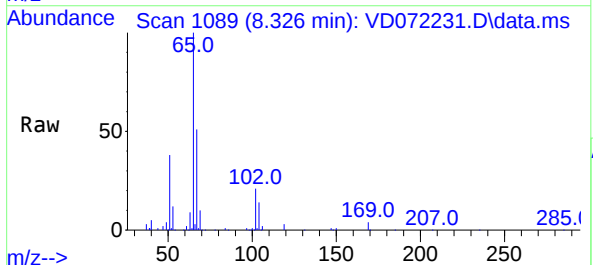
Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

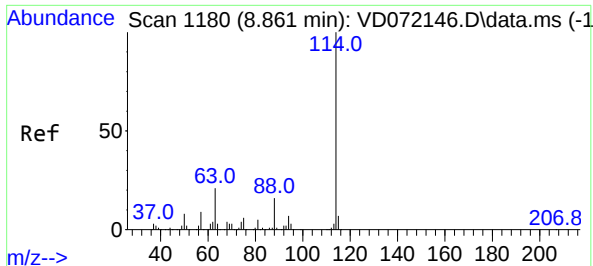
Tgt Ion: 56 Resp: 10564
Ion Ratio Lower Upper
56 100
69 195.8 25.4 38.2#
84 156.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 45.511 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion: 65 Resp: 235298
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072231.D

Acq: 16 Mar 2022 21:19

Instrument :

MSVOA_D

ClientSampleId :

TP3(0-10)

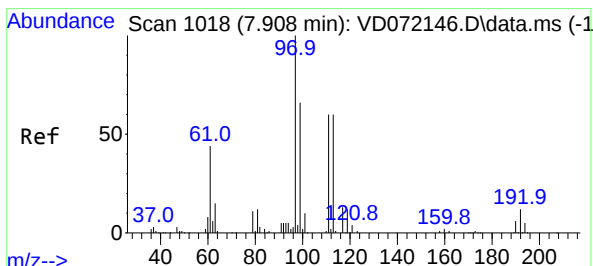
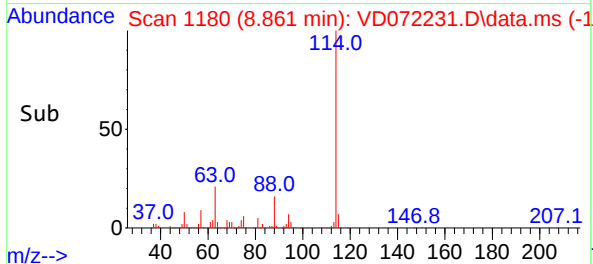
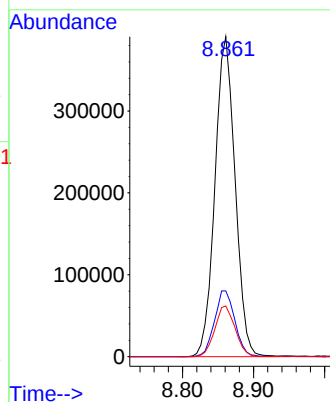
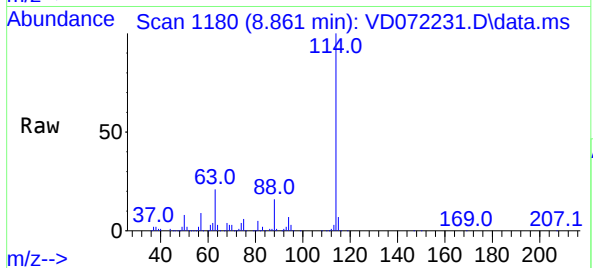
Tgt Ion:114 Resp: 769066

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.751 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072231.D

Acq: 16 Mar 2022 21:19

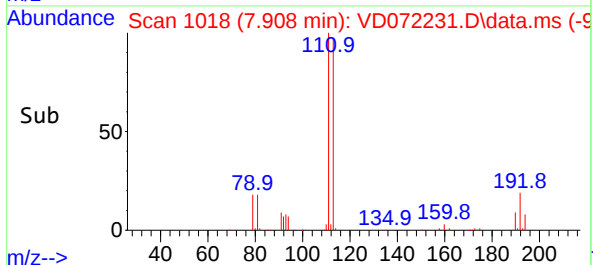
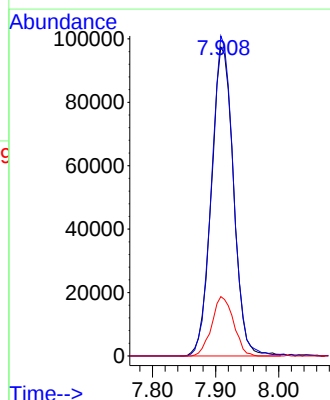
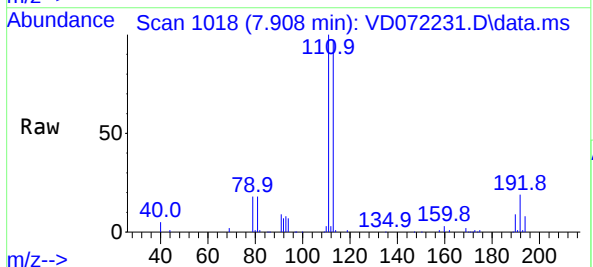
Tgt Ion:113 Resp: 236777

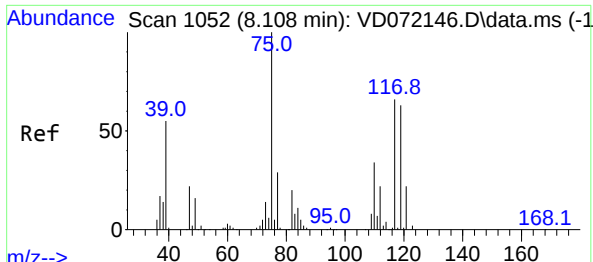
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.100 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072231.D

Acq: 16 Mar 2022 21:19

Instrument :

MSVOA_D

ClientSampleId :

TP3(0-10)

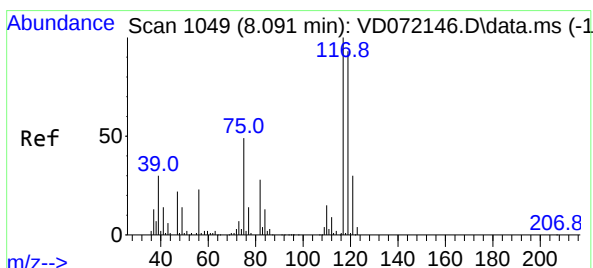
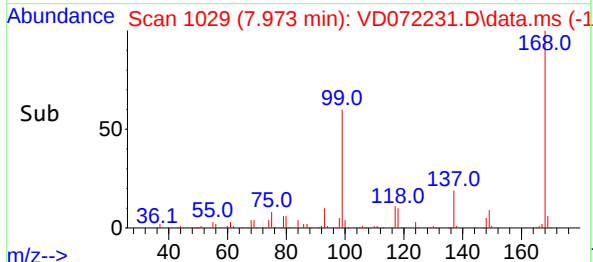
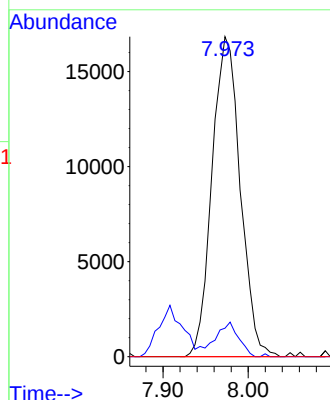
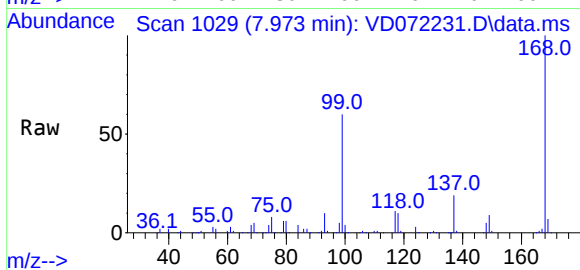
Tgt Ion: 75 Resp: 38721

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.569 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072231.D

Acq: 16 Mar 2022 21:19

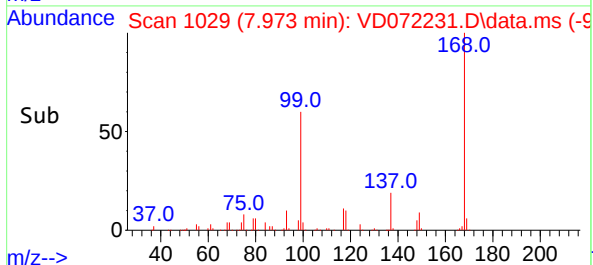
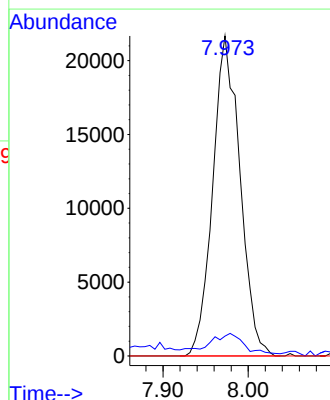
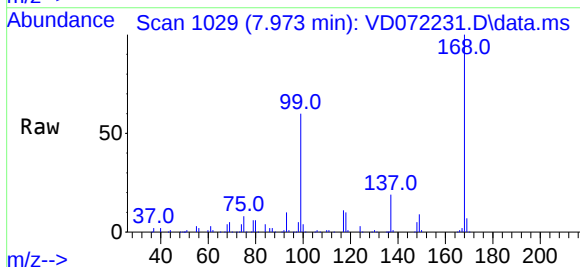
Tgt Ion: 117 Resp: 48064

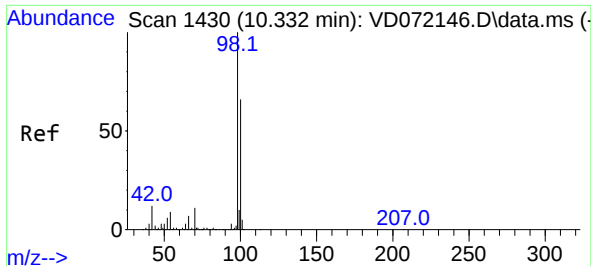
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 24.5 36.7#

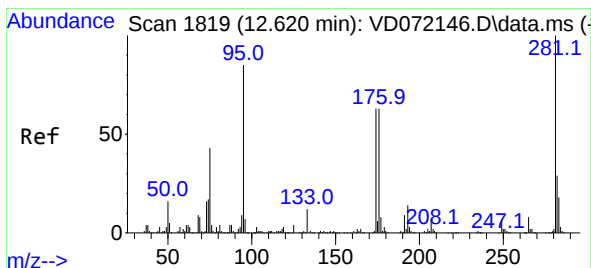
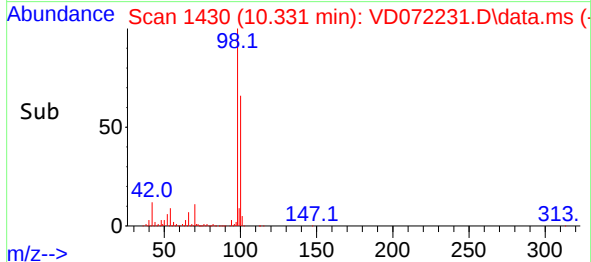
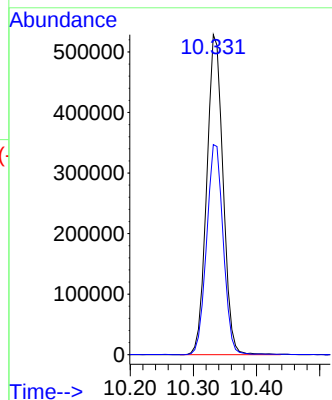
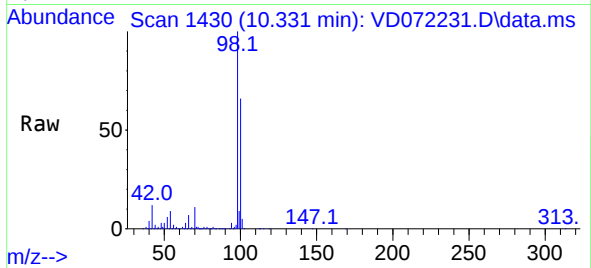




#50
Toluene-d8
Concen: 47.874 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

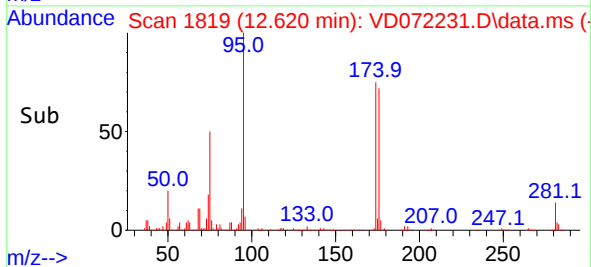
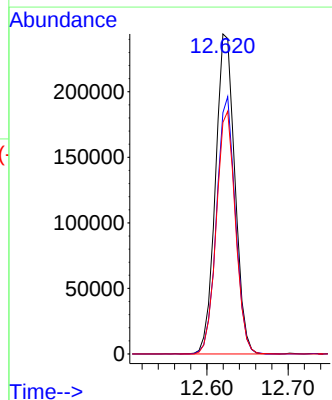
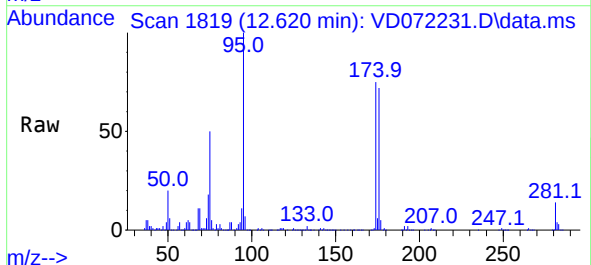
Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

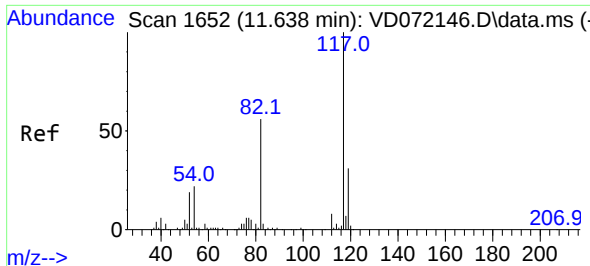
Tgt Ion: 98 Resp: 947372
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.716 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion: 95 Resp: 405340
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 74.5 0.0 145.4

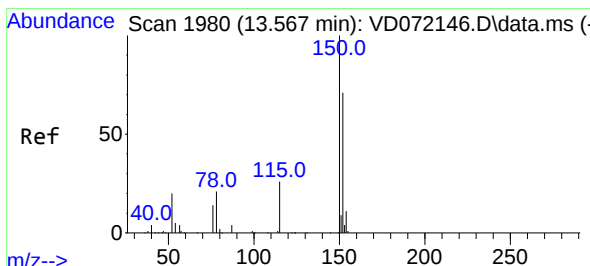
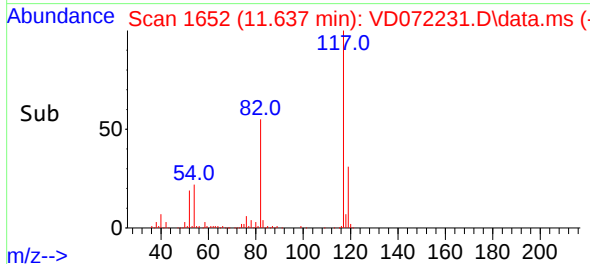
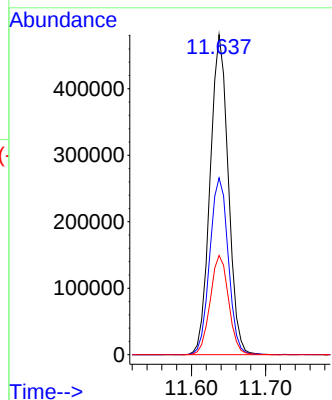
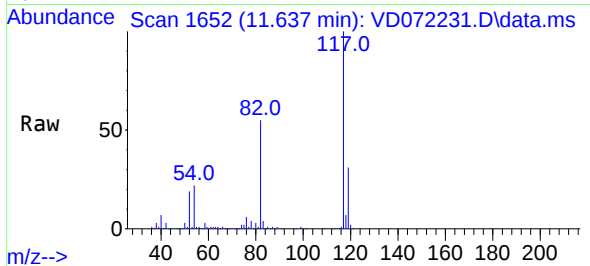




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

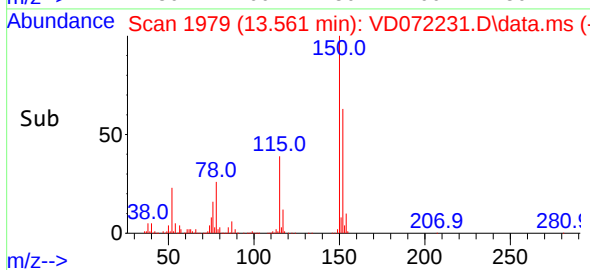
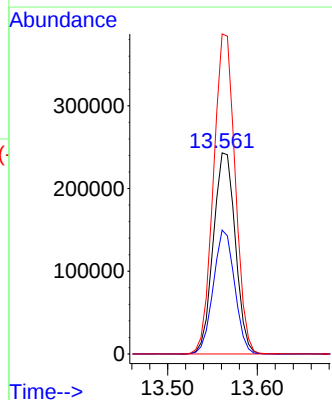
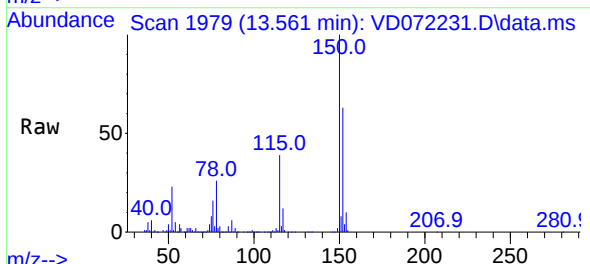
Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

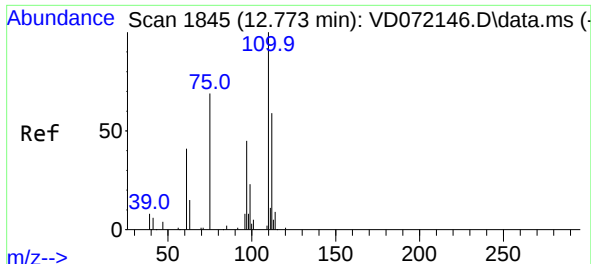
Tgt Ion:117 Resp: 818484
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion:152 Resp: 415138
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 156.8 0.0 348.6

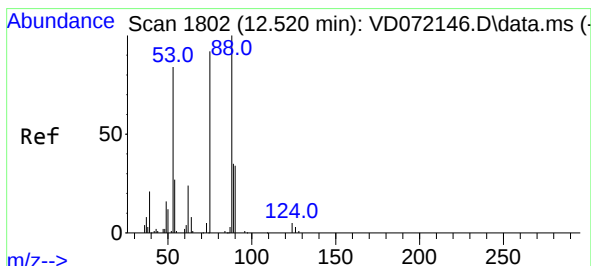
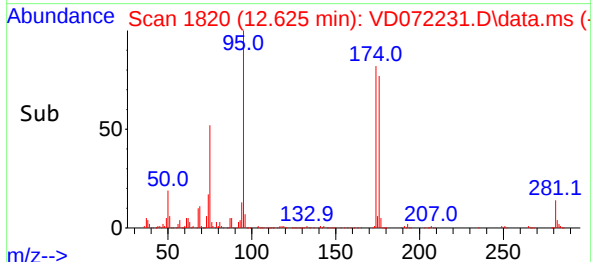
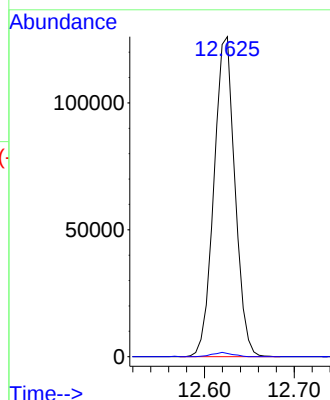
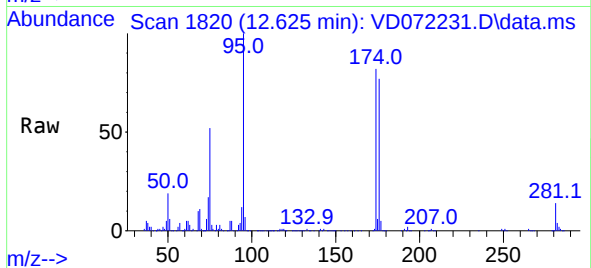




#76
1,2,3-Trichloropropane
Concen: 44.758 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Instrument :
MSVOA_D
ClientSampleId :
TP3(0-10)

Tgt Ion: 75 Resp: 204964
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.050 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD072231.D
Acq: 16 Mar 2022 21:19

Tgt Ion: 75 Resp: 204964
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.3 33.9 50.9#

