

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032322\
 Data File : VD072386.D
 Acq On : 23 Mar 2022 16:16
 Operator : VA/SY
 Sample : N2063-06
 Misc : 5.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 24 00:53:06 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	355934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	609712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	684354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	354333	50.000	ug/l	0.00

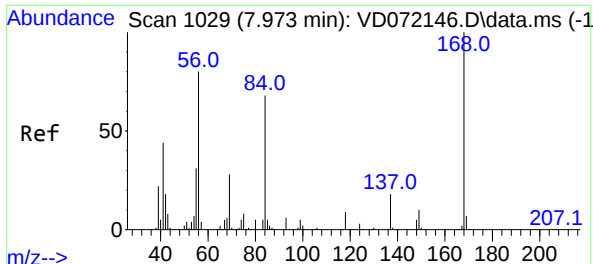
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184345	46.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.940%
35) Dibromofluoromethane	7.914	113	192960	44.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.940%
50) Toluene-d8	10.338	98	773290	49.290	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.620	95	356054	58.409	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.820%

Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	73	2.246	ug/l #	38
16) Acetone	4.156	43	3792	4.403	ug/l #	74
17) Carbon Disulfide	4.415	76	1538	1.696	ug/l #	74
20) Methylene Chloride	4.968	84	25637	Below Cal		89
30) Chloroform	7.709	83	11313	1.380	ug/l	98
31) Cyclohexane	7.979	56	8148	1.315	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	30593	5.083	ug/l #	51
38) Carbon Tetrachloride	7.979	117	36987	5.406	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	198338	50.744	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	198338	125.901	ug/l #	8

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

Quant Time: Mar 24 00:53:06 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

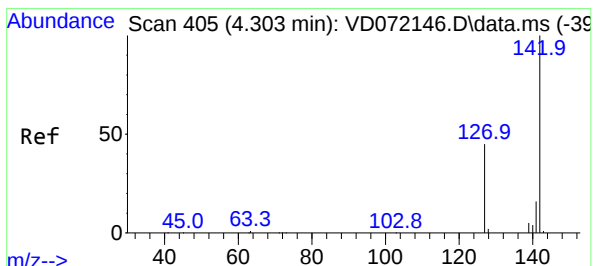
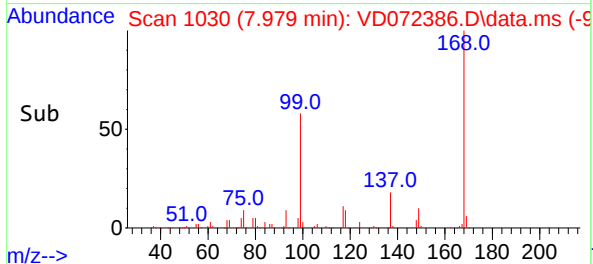
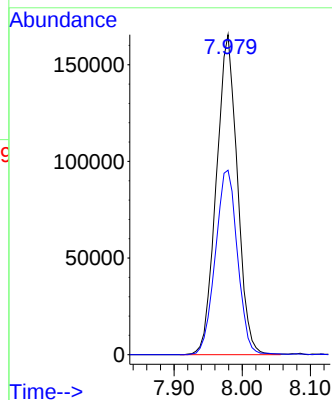
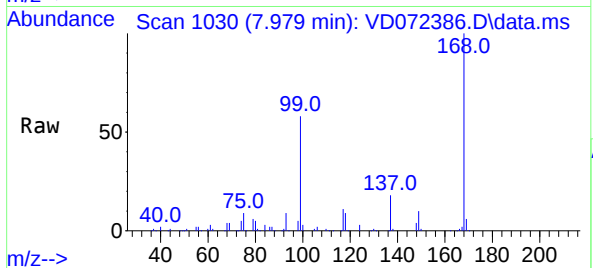




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

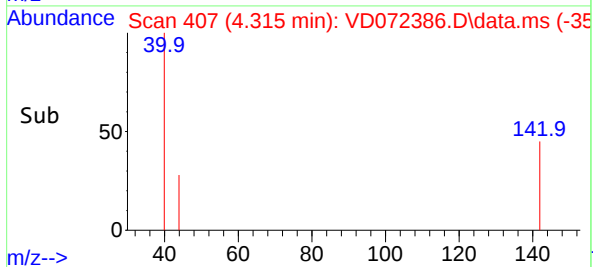
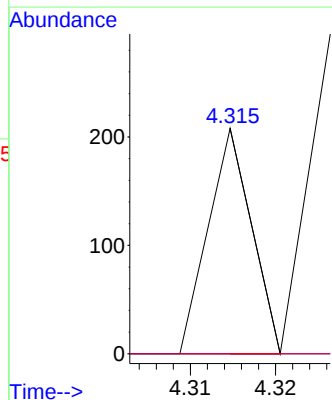
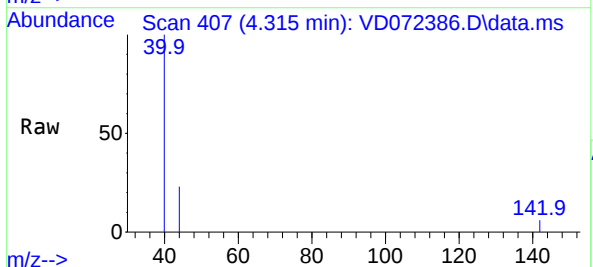
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 355934
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.246 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

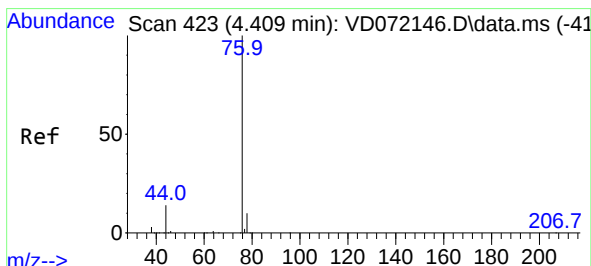
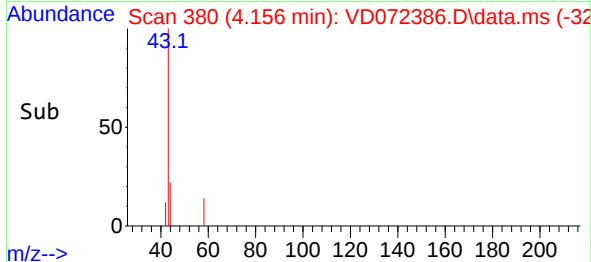
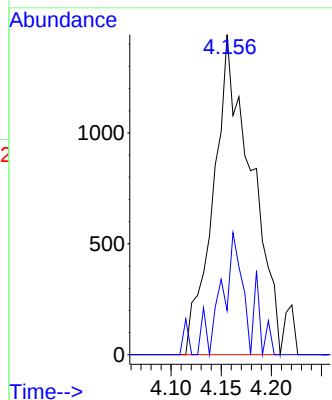
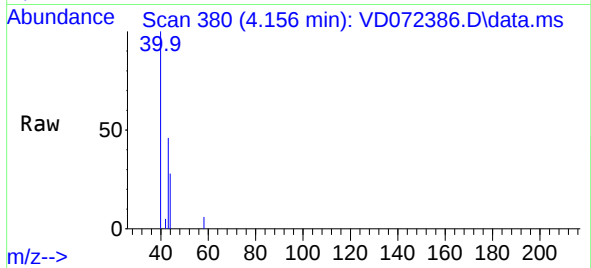




#16
Acetone
Concen: 4.403 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

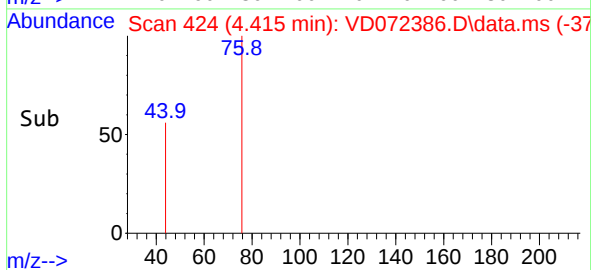
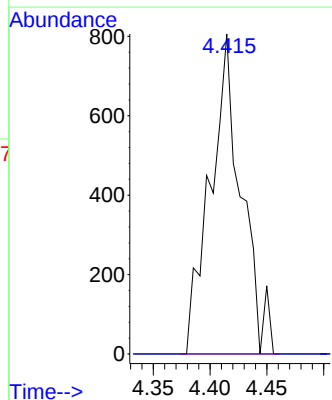
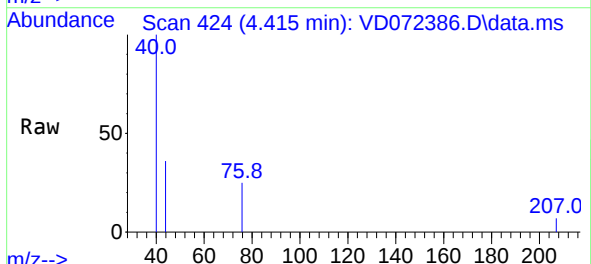
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MSVOA_D
ClientSampleId :

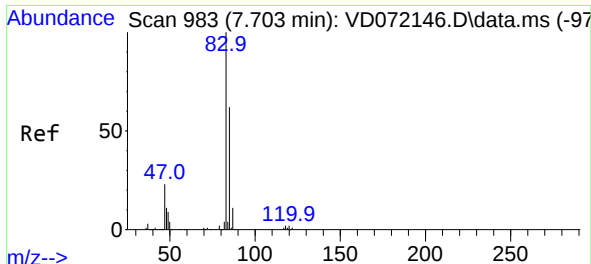
Tgt Ion: 43 Resp: 3792
Ion Ratio Lower Upper
43 100
58 13.9 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.696 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 76 Resp: 1538
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

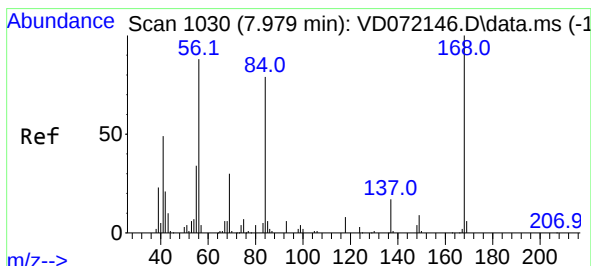
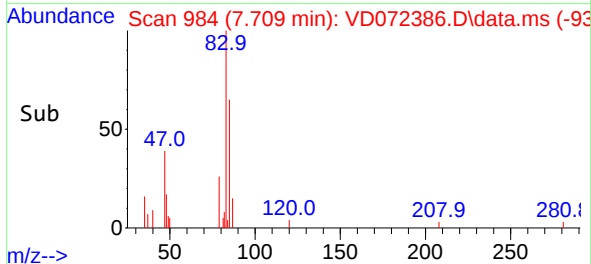
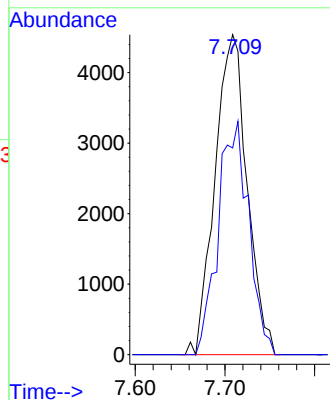
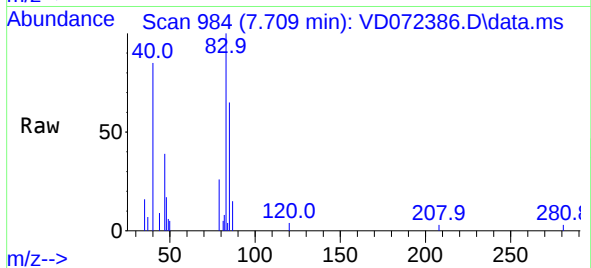




#30
Chloroform
Concen: 1.380 ug/l
RT: 7.709 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

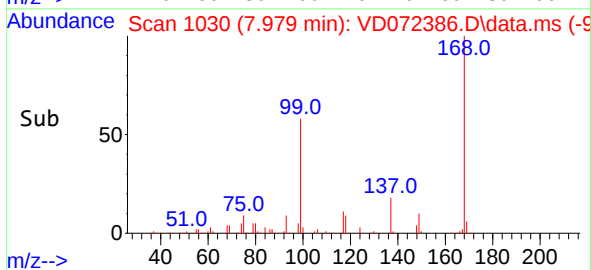
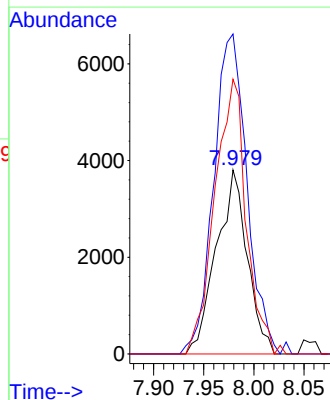
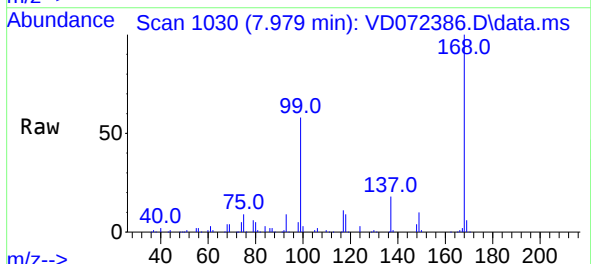
Instrument :
MSVOA_D
ClientSampleId :

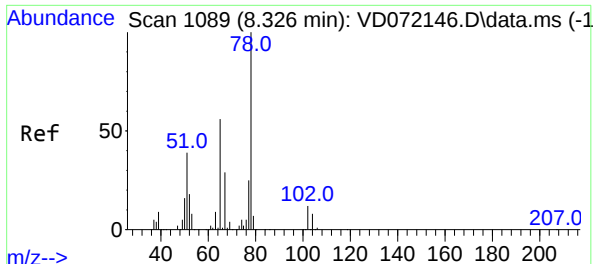
Tgt Ion: 83 Resp: 11313
Ion Ratio Lower Upper
83 100
85 64.6 52.7 79.1



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 56 Resp: 8148
Ion Ratio Lower Upper
56 100
69 173.9 25.4 38.2#
84 149.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.473 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072386.D

Acq: 23 Mar 2022 16:16

Instrument :

MSVOA_D

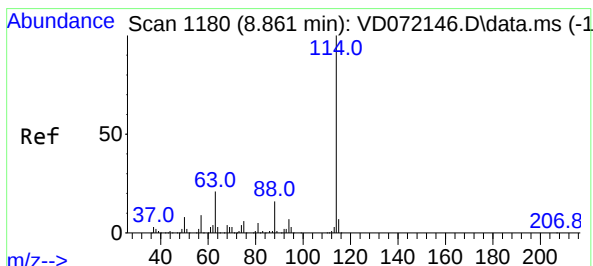
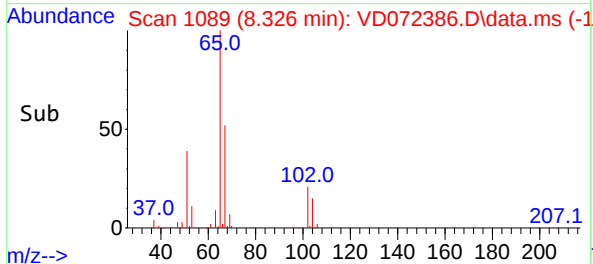
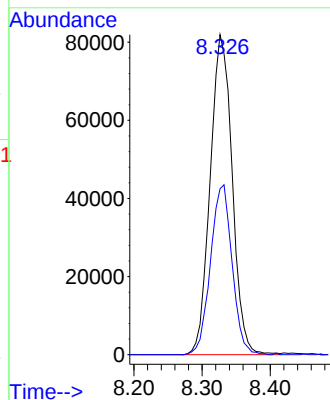
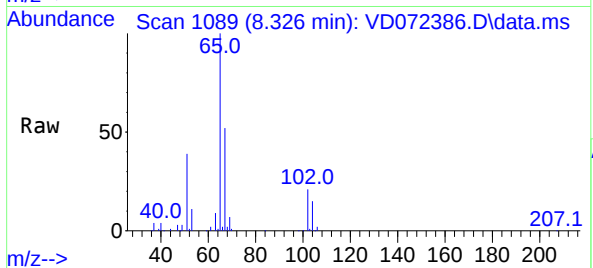
ClientSampleId :

Tgt Ion: 65 Resp: 184345

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: VD072386.D

Acq: 23 Mar 2022 16:16

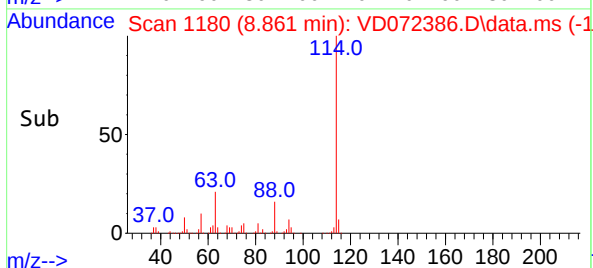
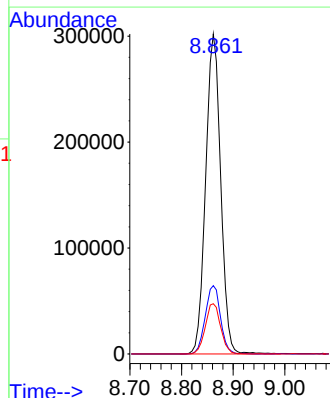
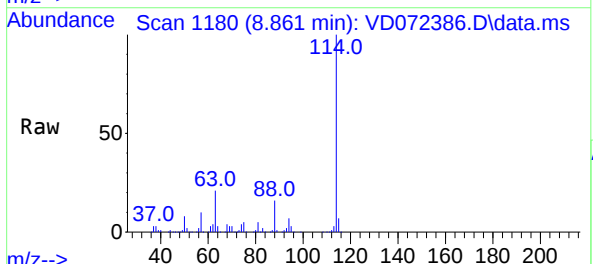
Tgt Ion: 114 Resp: 609712

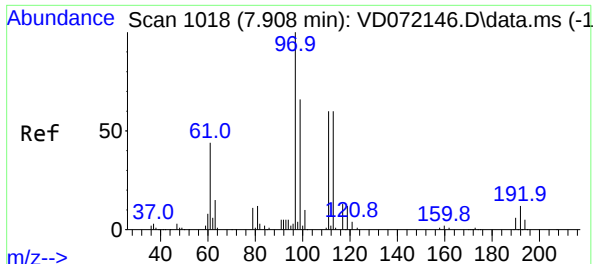
Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.973 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072386.D

Acq: 23 Mar 2022 16:16

Instrument :

MSVOA_D

ClientSampleId :

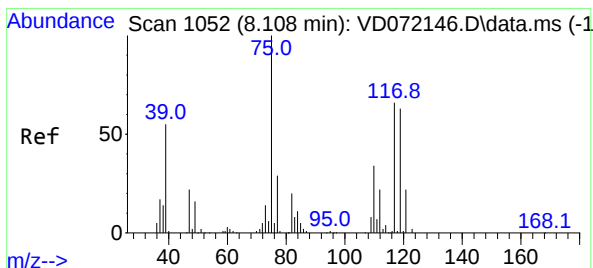
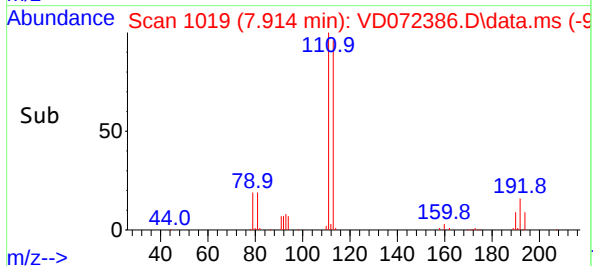
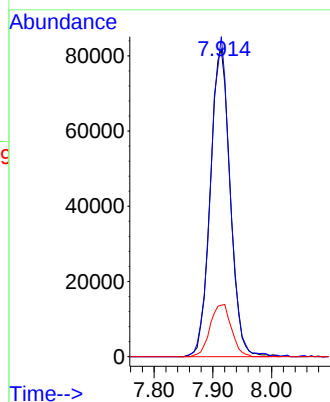
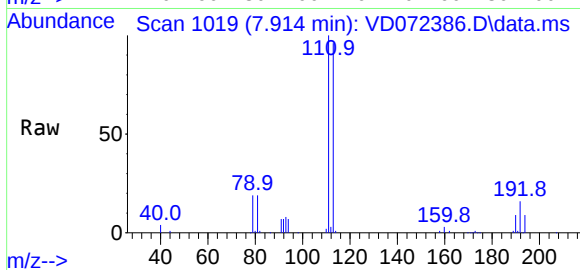
Tgt Ion:113 Resp: 192960

Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072386.D

Acq: 23 Mar 2022 16:16

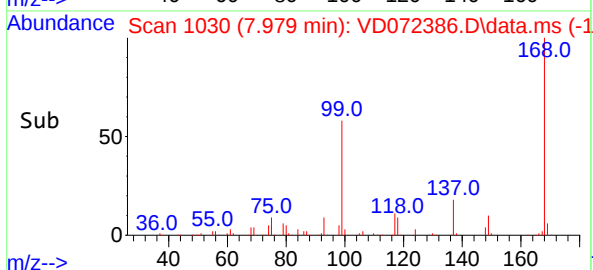
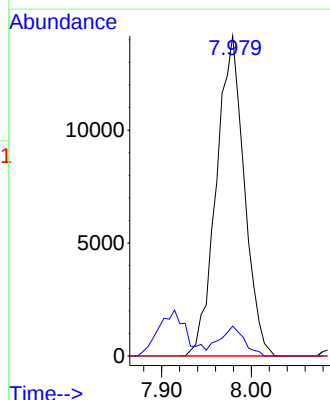
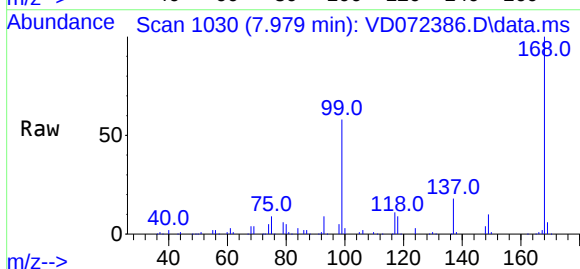
Tgt Ion: 75 Resp: 30593

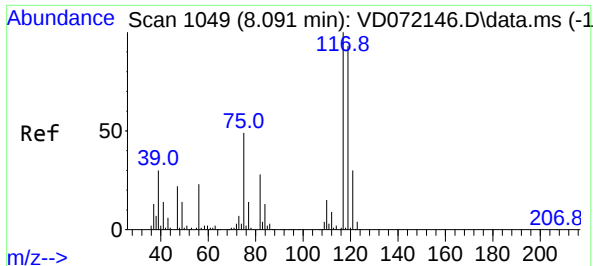
Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

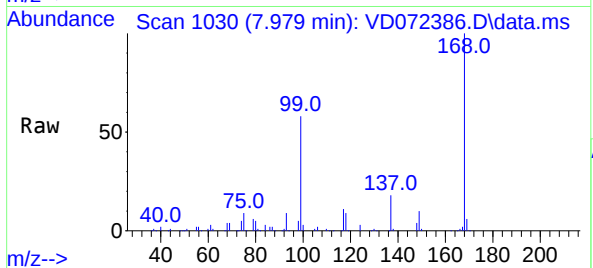
77 0.0 24.2 36.2#



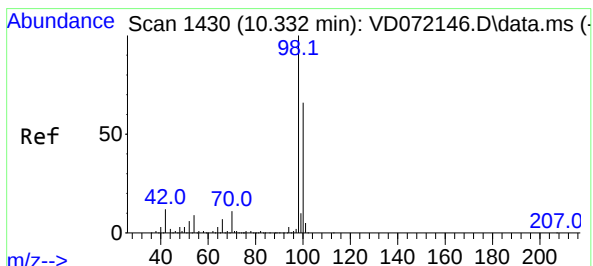
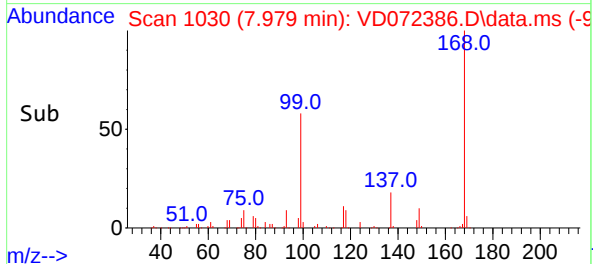
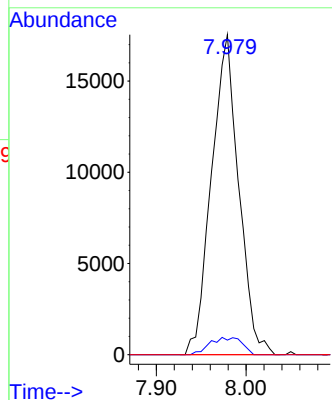


#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

Instrument :
MSVOA_D
ClientSampleId :

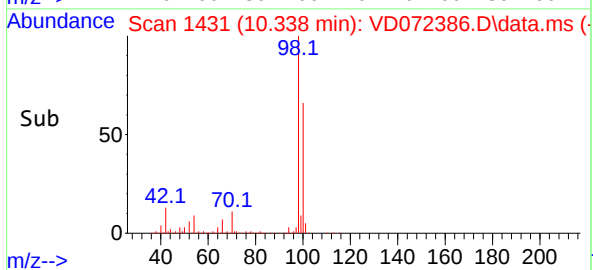
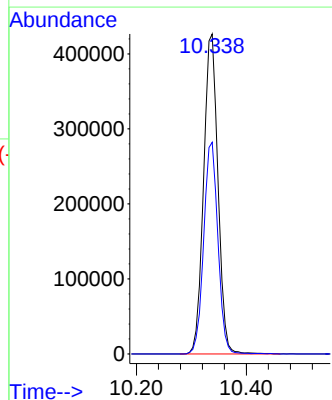
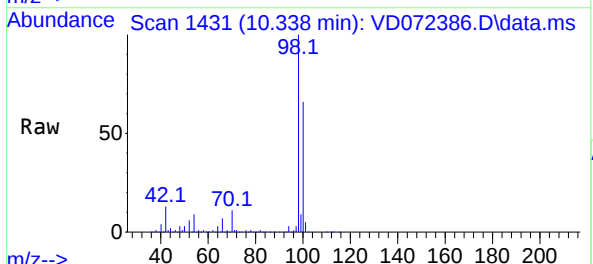


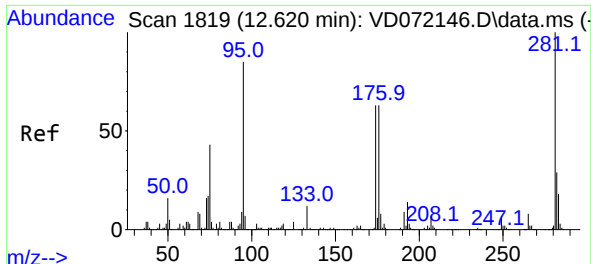
Tgt Ion:117 Resp: 36987
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.290 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 98 Resp: 773290
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

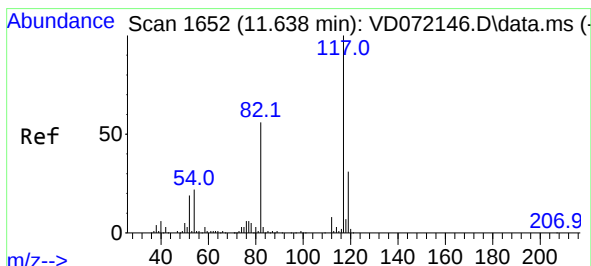
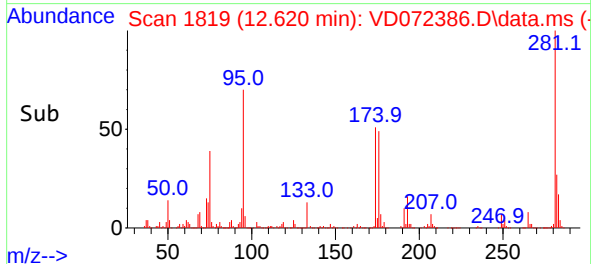
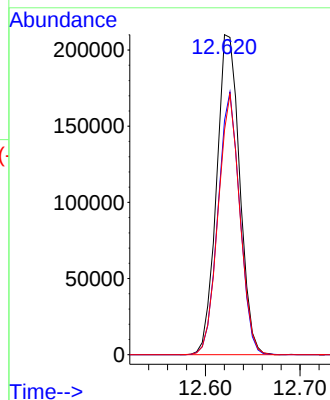
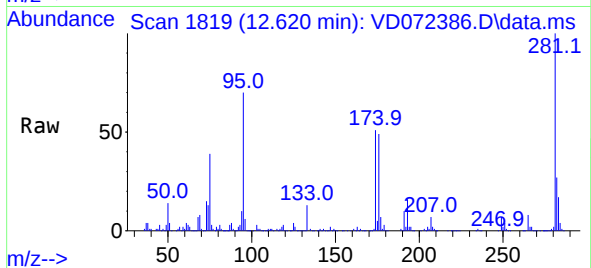




#62
4-Bromofluorobenzene
Concen: 58.409 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

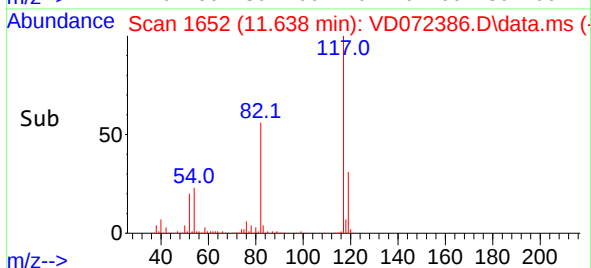
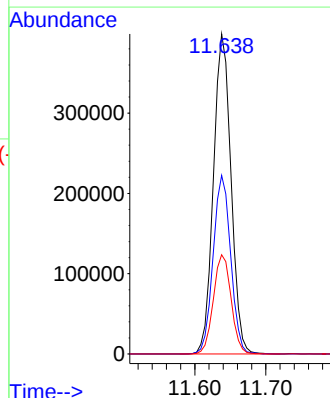
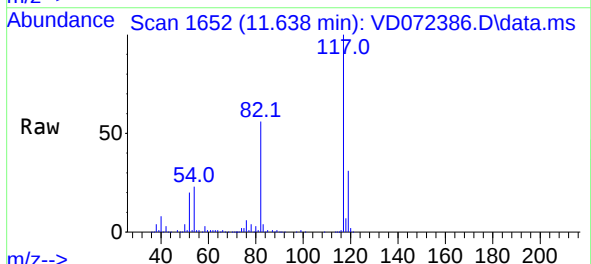
Instrument :
MSVOA_D
ClientSampleId :

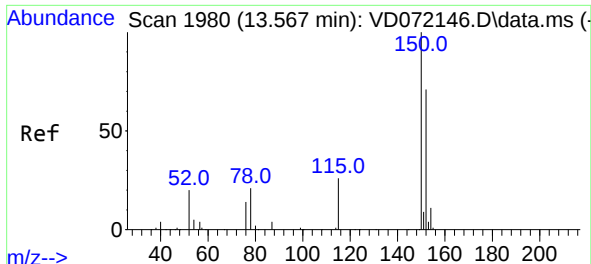
Tgt Ion: 95 Resp: 356054
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 76.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 117 Resp: 684354
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 31.0 26.6 40.0

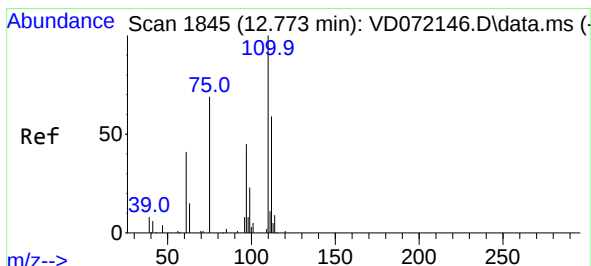
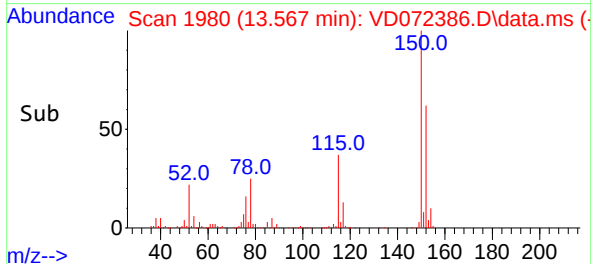
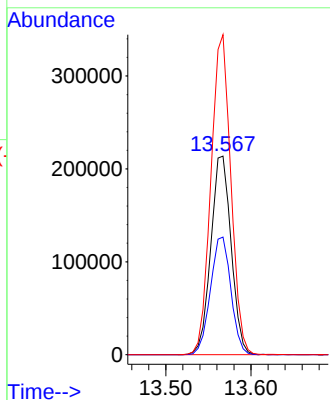
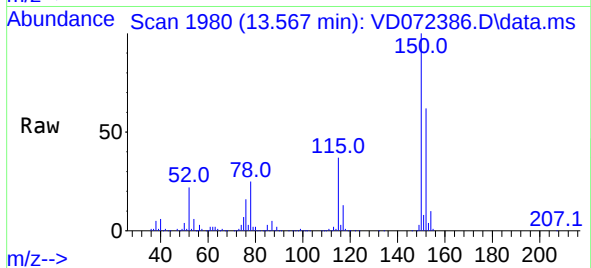




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

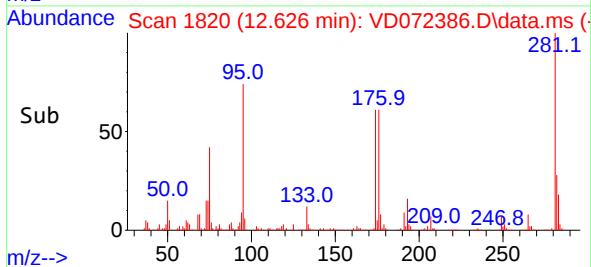
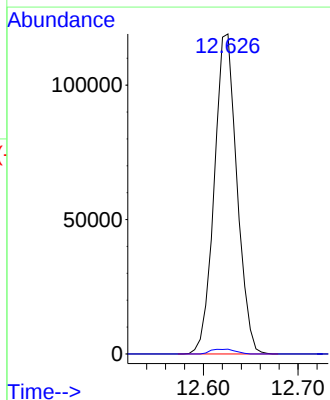
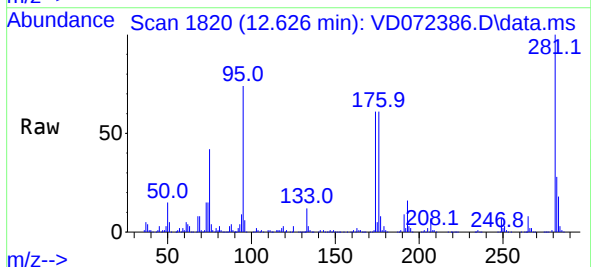
Instrument :
MSVOA_D
ClientSampleId :

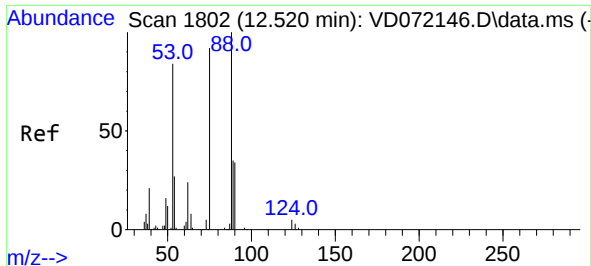
Tgt Ion:152 Resp: 354333
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 158.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 50.744 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072386.D
Acq: 23 Mar 2022 16:16

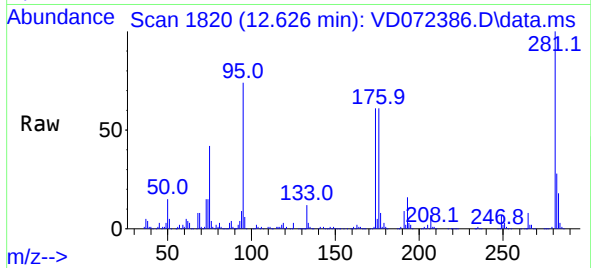
Tgt Ion: 75 Resp: 198338
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.901 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072386.D
 Acq: 23 Mar 2022 16:16

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 198338
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 2.0 33.9 50.9#

