

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071942.D
 Acq On : 11 Feb 2022 17:47
 Operator : VA/SY
 Sample : N1489-03
 Misc : 3.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:59:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

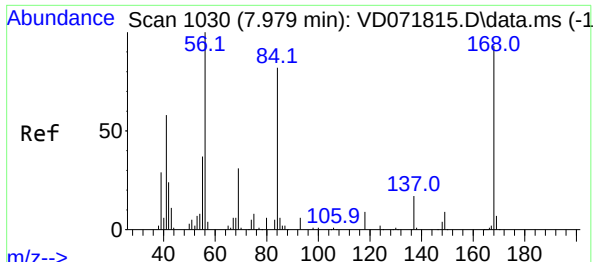
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	421085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	783486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	725768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	298858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267209	50.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.420%	
35) Dibromofluoromethane	7.908	113	250102	48.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.120%	
50) Toluene-d8	10.332	98	999197	51.950	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.900%	
62) 4-Bromofluorobenzene	12.626	95	313572	46.685	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.209	59	79	Below Cal	#	74
16) Acetone	4.162	43	2869	1.969	ug/l #	75
20) Methylene Chloride	4.979	84	1909	Below Cal	#	82
31) Cyclohexane	7.973	56	11295	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	39109	4.424	ug/l #	51
38) Carbon Tetrachloride	7.979	117	43758	5.006	ug/l #	19
51) 4-Methyl-2-Pentanone	10.338	43	5386	1.393	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	174816	55.504	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	174816	136.472	ug/l #	7
95) Naphthalene	15.385	128	1471	1.591	ug/l #	84

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

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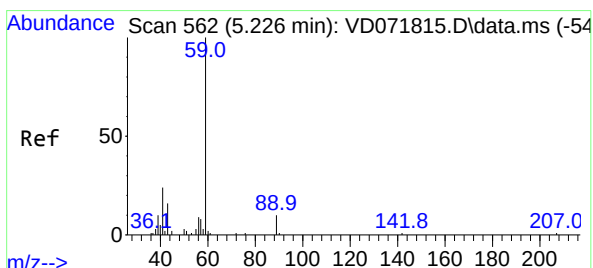
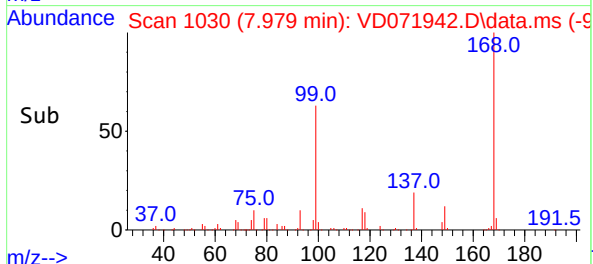
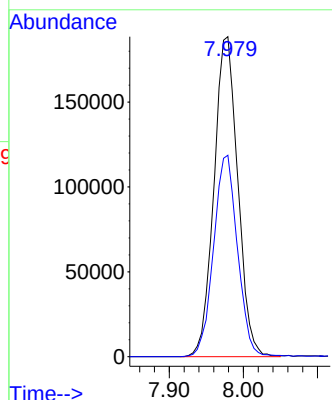
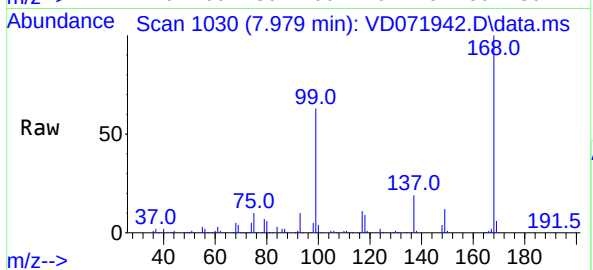




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

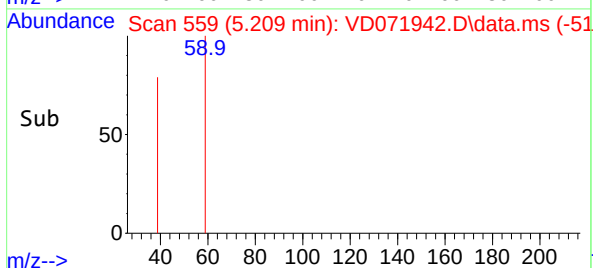
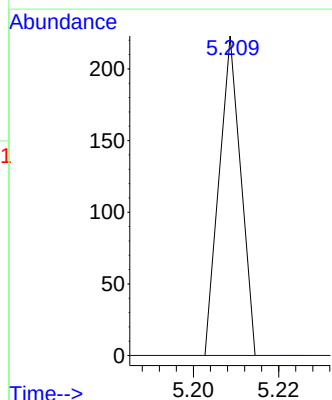
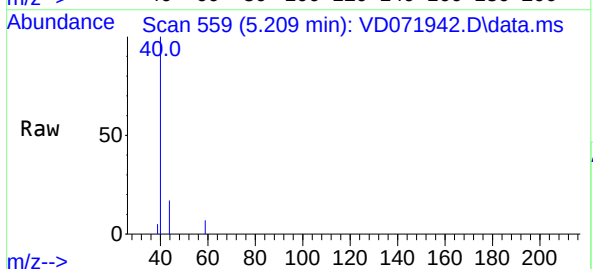
Instrument :
MSVOA_D
ClientSampleId :

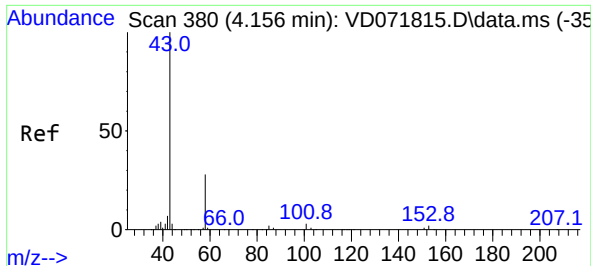
Tgt Ion:168 Resp: 421085
Ion Ratio Lower Upper
168 100
99 62.9 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

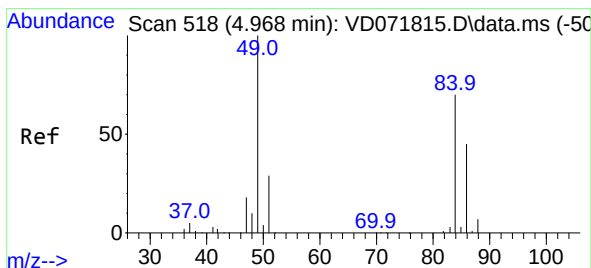
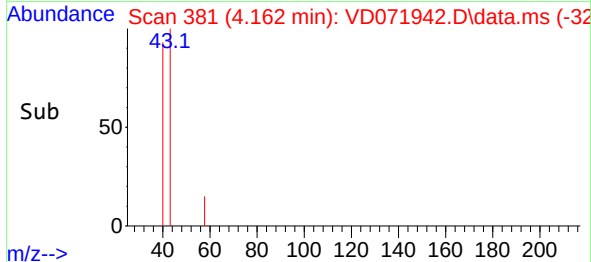
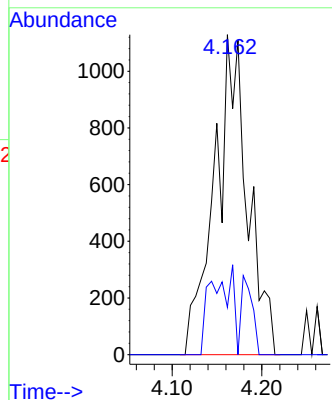
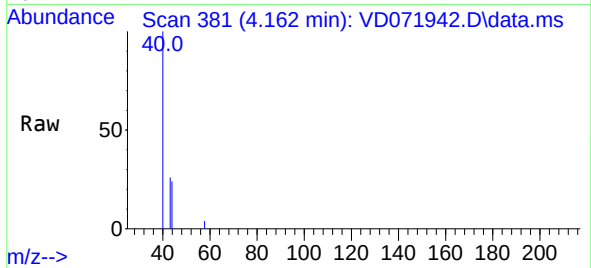




#16
Acetone
Concen: 1.969 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

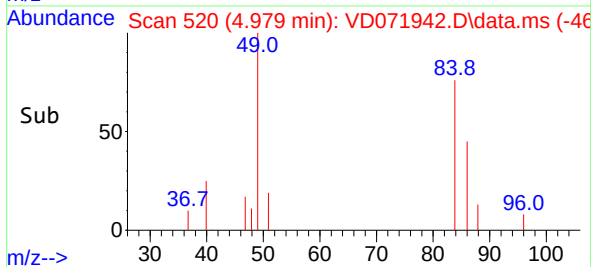
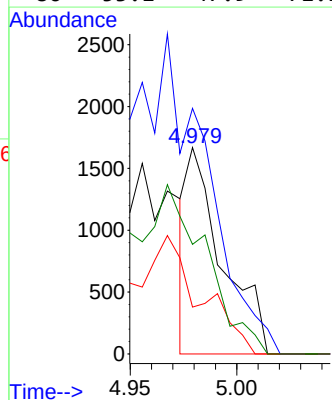
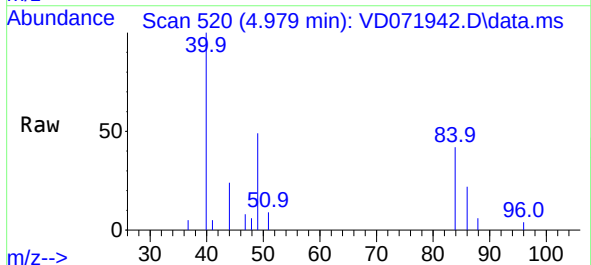
Instrument :
MSVOA_D
ClientSampleId :

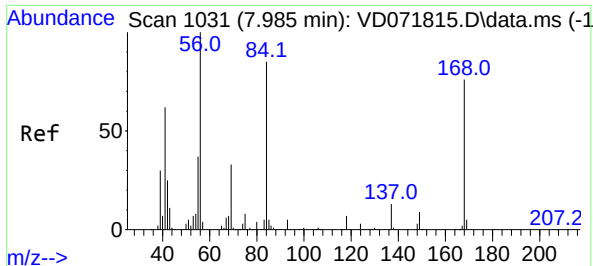
Tgt Ion: 43 Resp: 2869
Ion Ratio Lower Upper
43 100
58 14.8 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

Tgt Ion: 84 Resp: 1909
Ion Ratio Lower Upper
84 100
49 119.0 112.8 169.2
51 22.7 32.6 48.8#
86 53.1 47.9 71.9





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

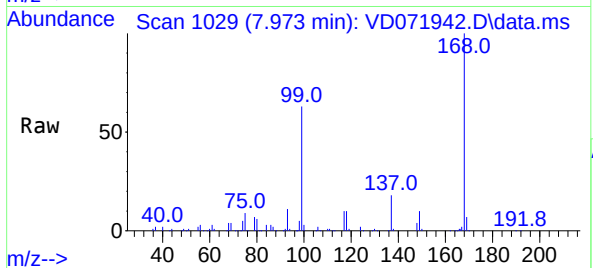
Lab File: VD071942.D

Acq: 11 Feb 2022 17:47

Instrument :

MSVOA_D

ClientSampleId :



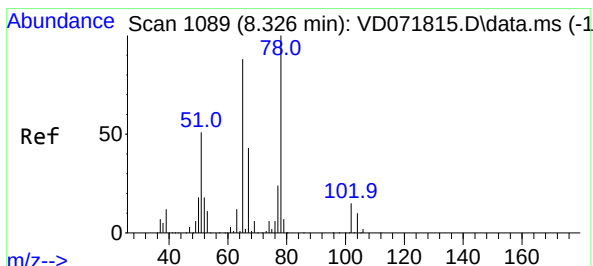
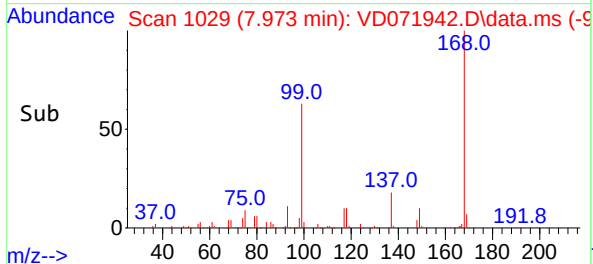
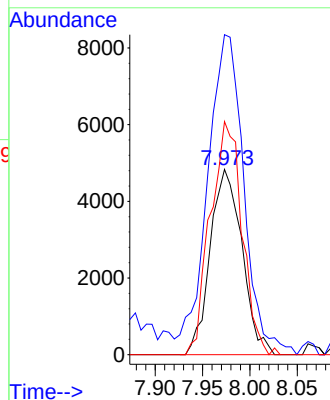
Tgt Ion: 56 Resp: 11295

Ion Ratio Lower Upper

56 100

69 166.8 25.4 38.2#

84 125.9 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.206 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071942.D

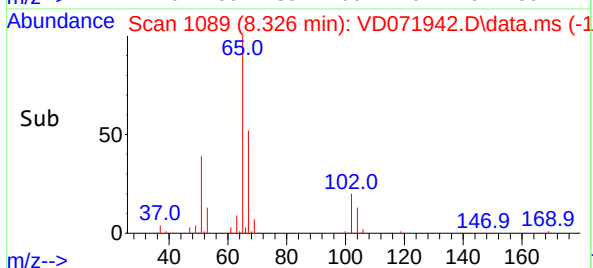
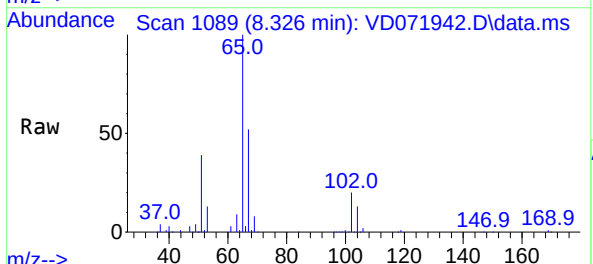
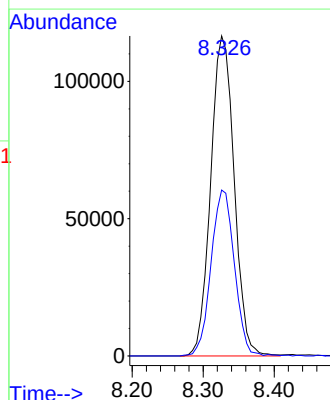
Acq: 11 Feb 2022 17:47

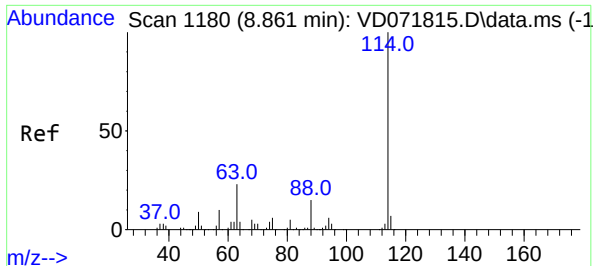
Tgt Ion: 65 Resp: 267209

Ion Ratio Lower Upper

65 100

67 51.6 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: VD071942.D

Acq: 11 Feb 2022 17:47

Instrument :

MSVOA_D

ClientSampleId :

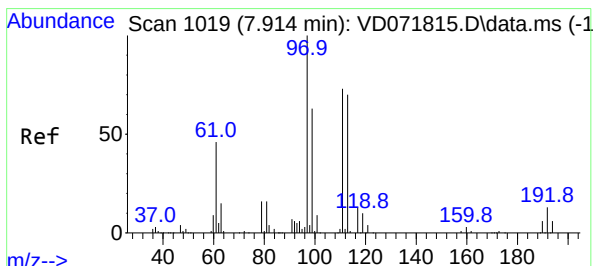
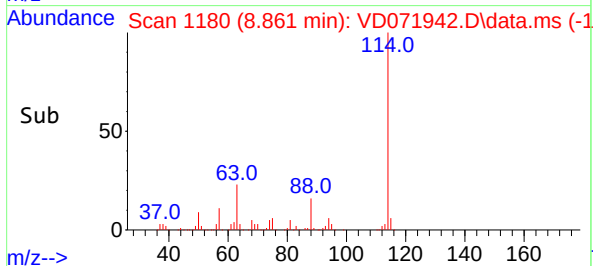
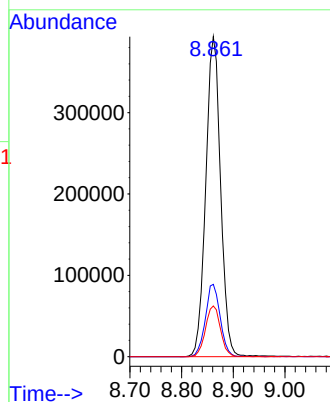
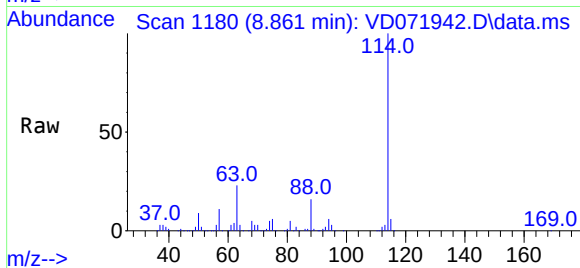
Tgt Ion:114 Resp: 783486

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.563 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071942.D

Acq: 11 Feb 2022 17:47

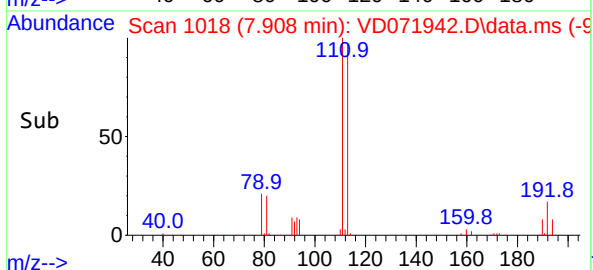
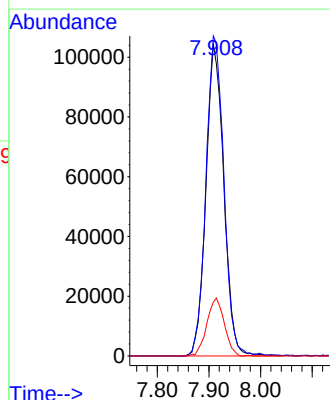
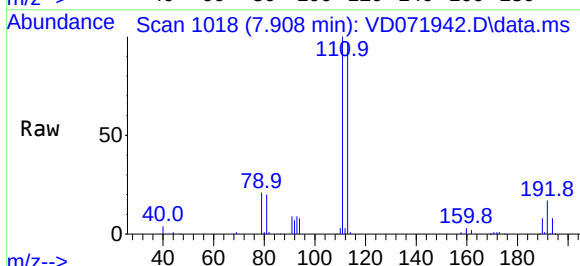
Tgt Ion:113 Resp: 250102

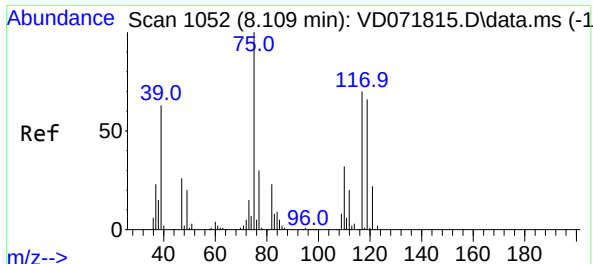
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.2 14.6 21.8

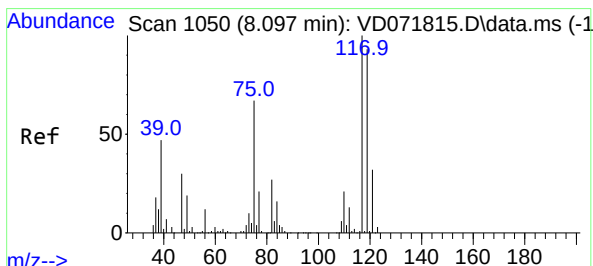
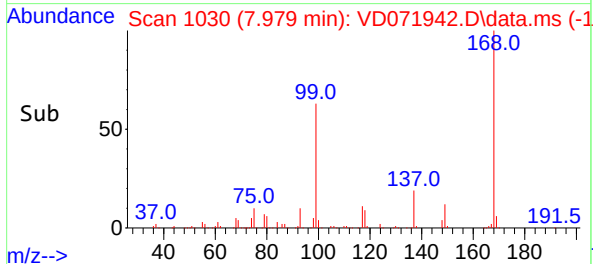
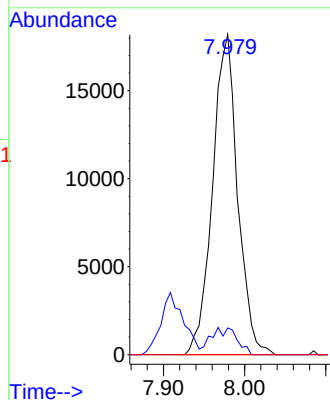
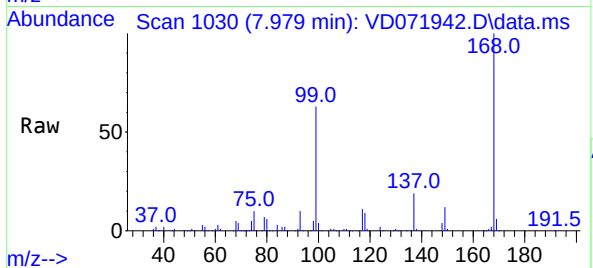




#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

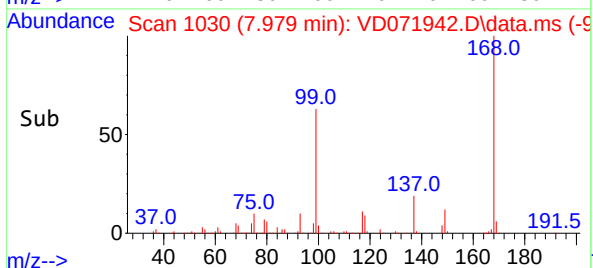
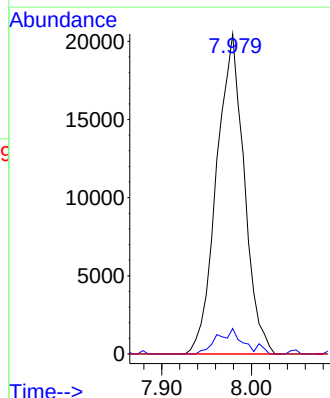
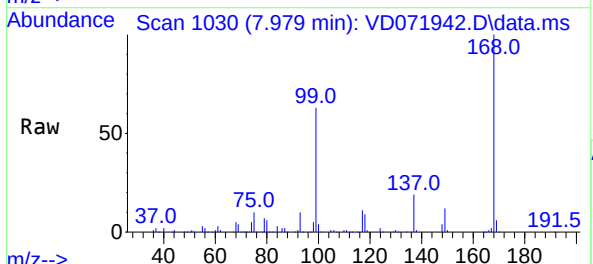
Instrument :
MSVOA_D
ClientSampleId :

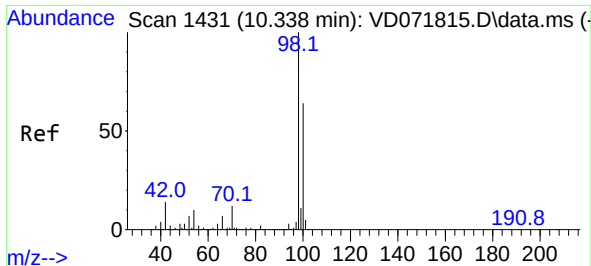
Tgt Ion: 75 Resp: 39109
Ion Ratio Lower Upper
75 100
110 8.8 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.006 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

Tgt Ion: 117 Resp: 43758
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 24.5 36.7#

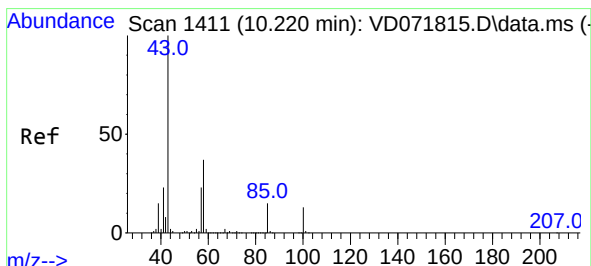
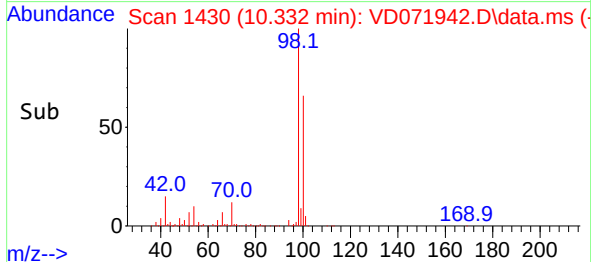
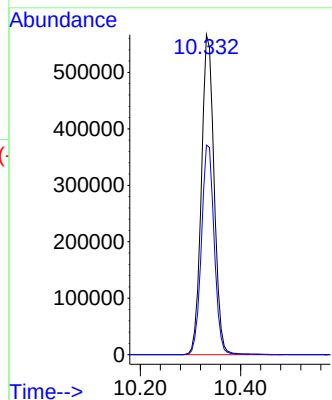
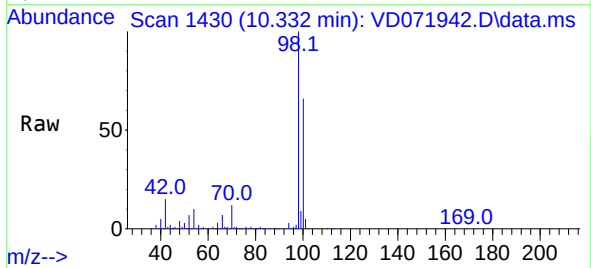




#50
Toluene-d8
Concen: 51.950 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

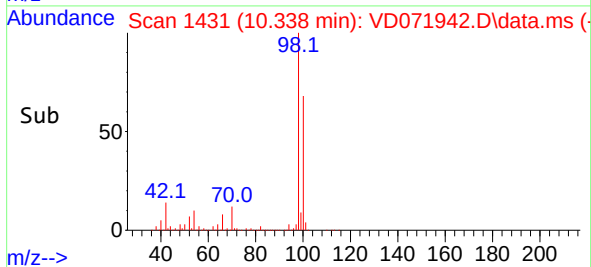
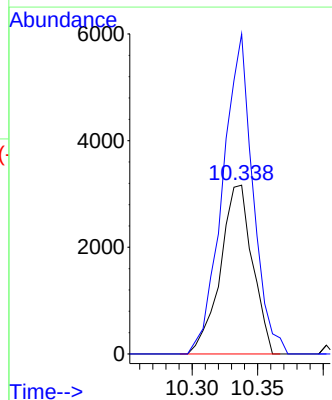
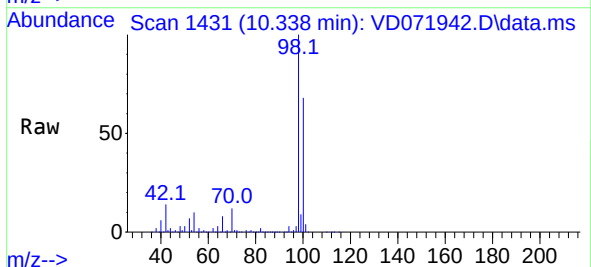
Instrument :
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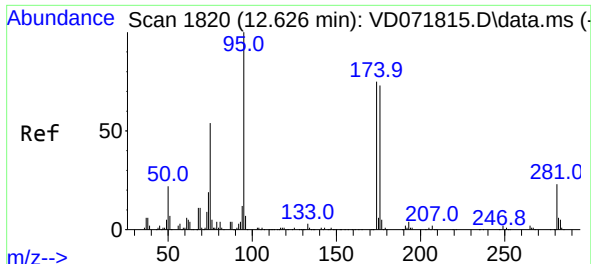
Tgt Ion: 98 Resp: 999197
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.393 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

Tgt Ion: 43 Resp: 5386
Ion Ratio Lower Upper
43 100
58 178.9 28.6 43.0#

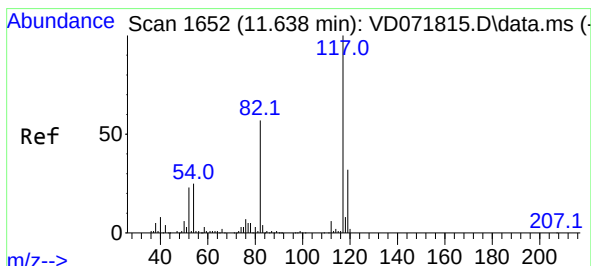
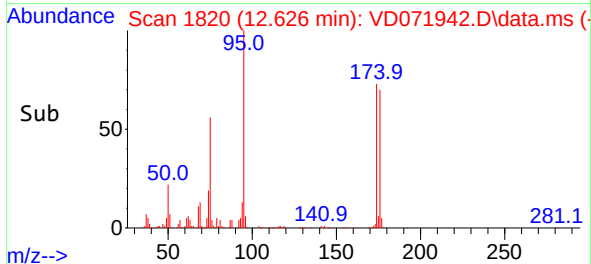
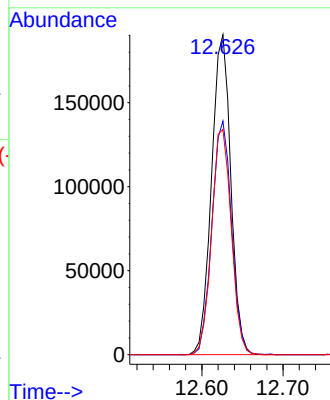
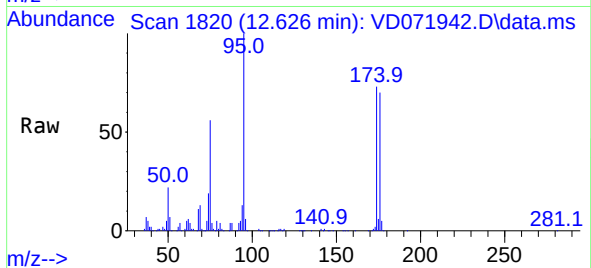




#62
4-Bromofluorobenzene
Concen: 46.685 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

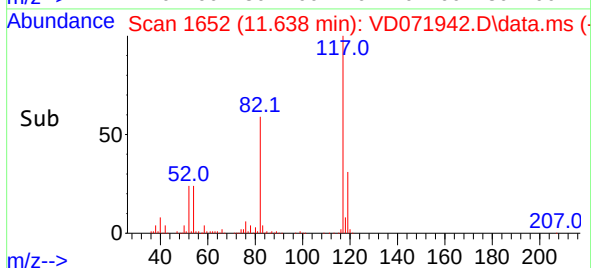
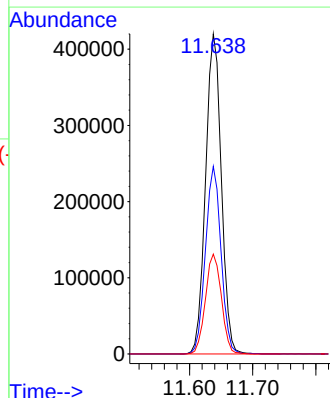
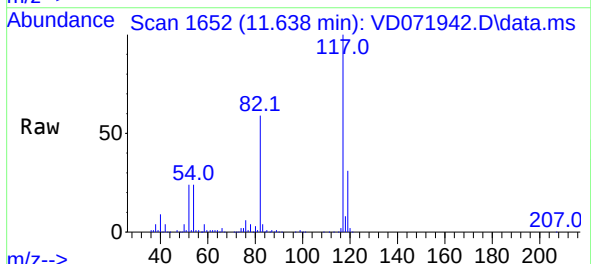
Instrument :
MSVOA_D
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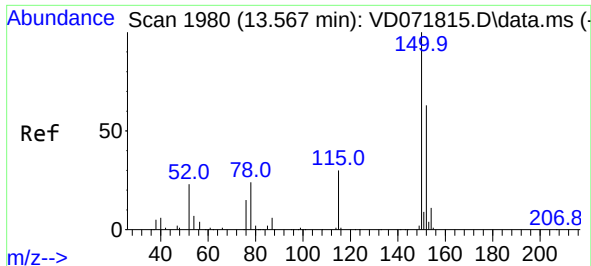
Tgt Ion: 95 Resp: 313572
Ion Ratio Lower Upper
95 100
174 74.5 0.0 152.8
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

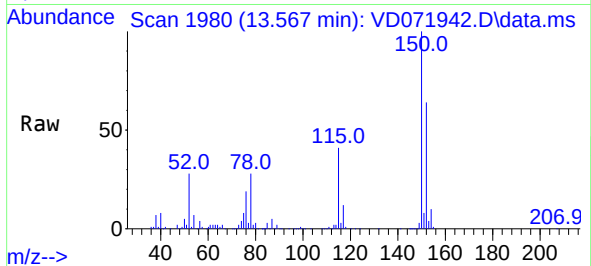
Tgt Ion: 117 Resp: 725768
Ion Ratio Lower Upper
117 100
82 58.6 45.3 67.9
119 31.2 26.6 40.0



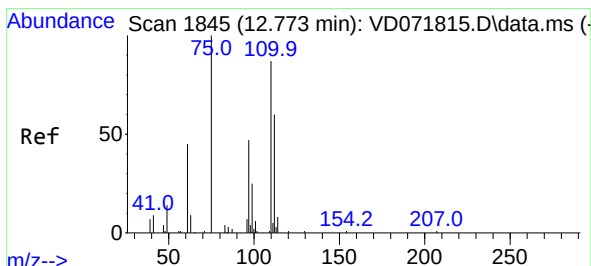
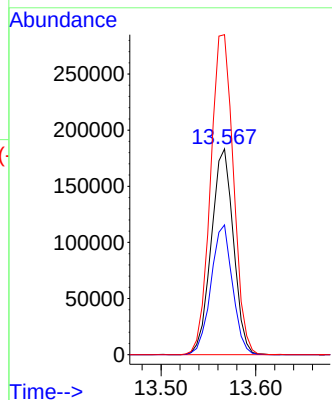
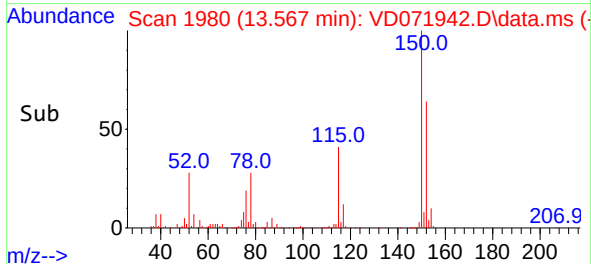


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071942.D
 Acq: 11 Feb 2022 17:47

Instrument :
 MSVOA_D
 ClientSampleId :

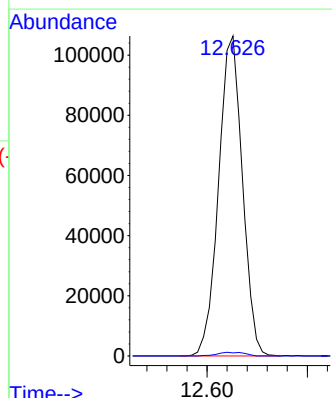
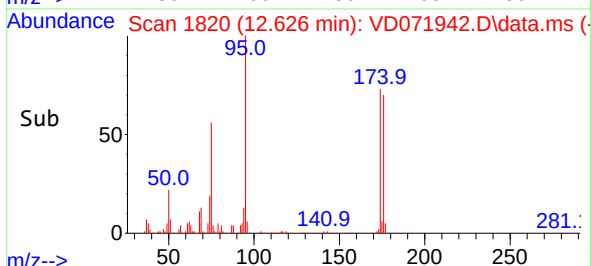
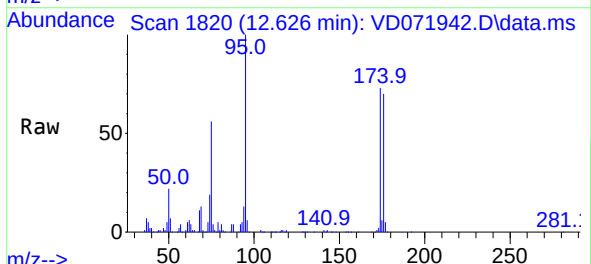


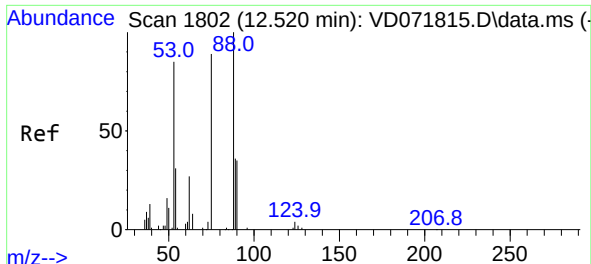
Tgt Ion:152 Resp: 298858
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.3 93.8
 150 160.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 55.504 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071942.D
 Acq: 11 Feb 2022 17:47

Tgt Ion: 75 Resp: 174816
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

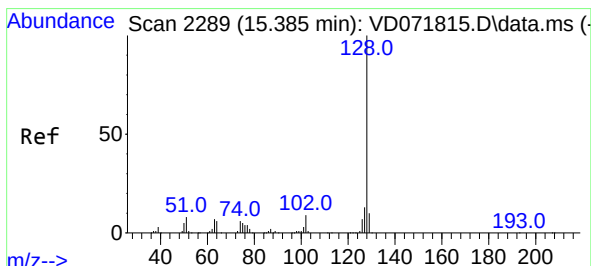
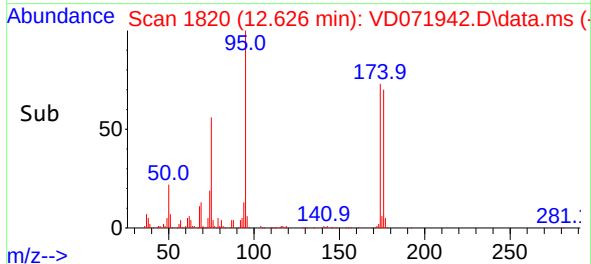
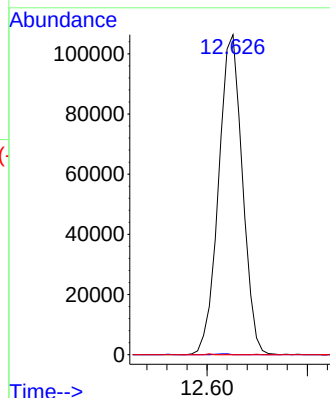
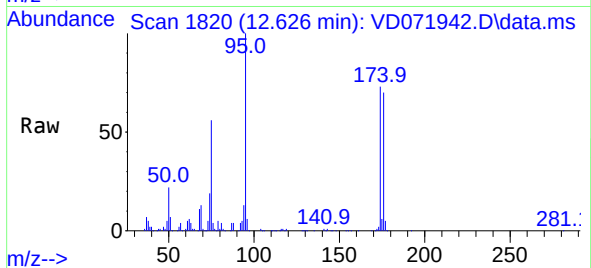




#81
trans-1,4-Dichloro-2-butene
Concen: 136.472 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 174816
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.591 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071942.D
Acq: 11 Feb 2022 17:47

Tgt Ion:128 Resp: 1471
Ion Ratio Lower Upper
128 100
127 10.7 10.3 15.5
129 0.0 8.4 12.6#

