

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073224.D
 Acq On : 21 May 2022 12:05
 Operator : VA/SY
 Sample : N2885-04
 Misc : 4.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-0612-01

Quant Time: May 22 00:02:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

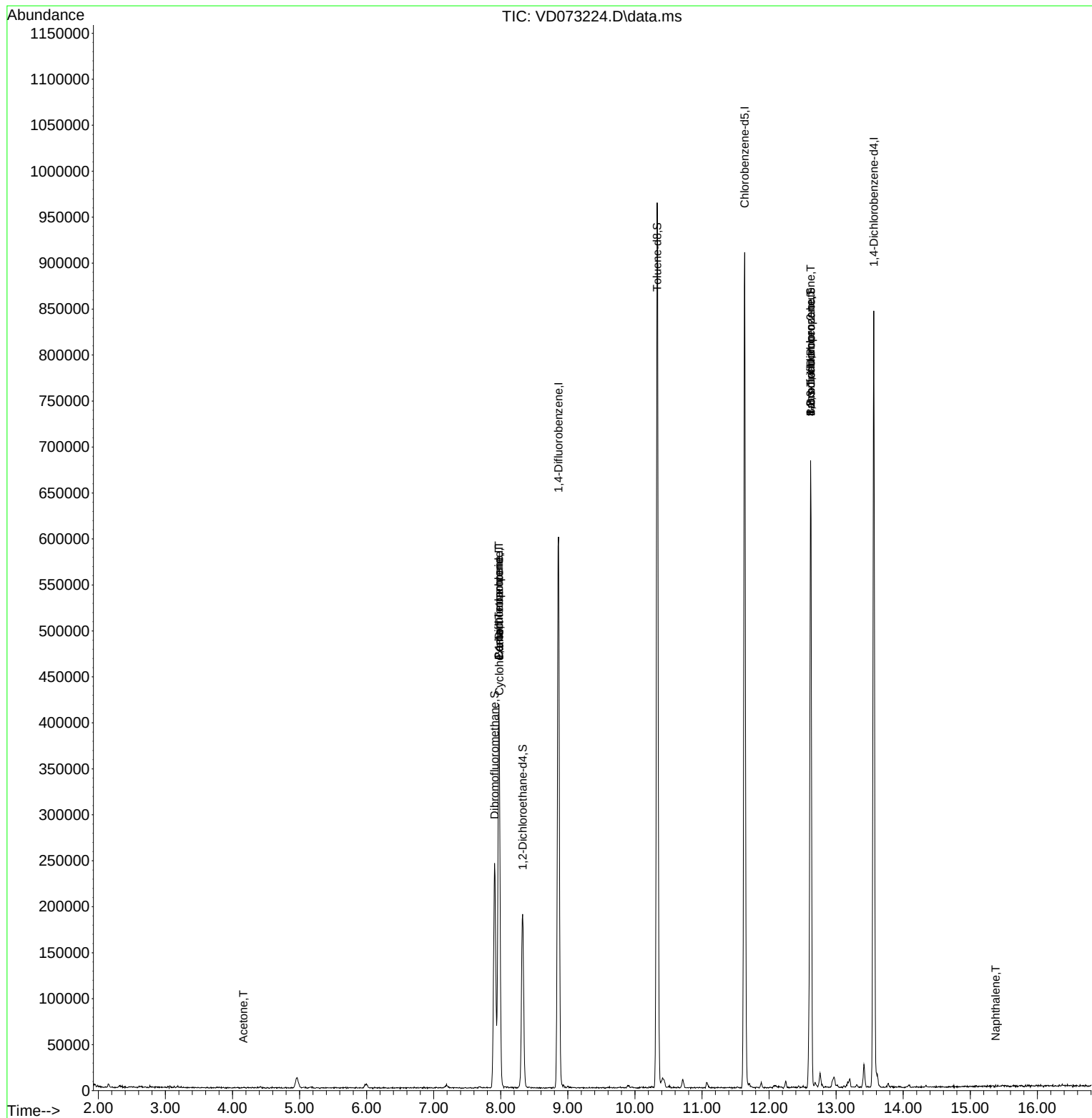
Internal Standards						
1) Pentafluorobenzene	7.973	168	294142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	517894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	519021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	218504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	150932	46.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.860%
35) Dibromofluoromethane	7.908	113	175680	51.407	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.820%
50) Toluene-d8	10.332	98	644786	51.184	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.360%
62) 4-Bromofluorobenzene	12.620	95	228913	51.779	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.560%
Target Compounds						
5) Bromomethane	2.773	94	452	Below Cal	#	76
16) Acetone	4.162	43	914	1.623	ug/l #	60
20) Methylene Chloride	4.967	84	8076	Below Cal		88
31) Cyclohexane	7.979	56	6544	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26417	5.140	ug/l #	51
38) Carbon Tetrachloride	7.973	117	32018	6.145	ug/l #	17
71) Bromoform	12.620	173	2199	1.082	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	113945	53.148	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	113945	127.593	ug/l #	7
95) Naphthalene	15.379	128	147	3.561	ug/l #	70

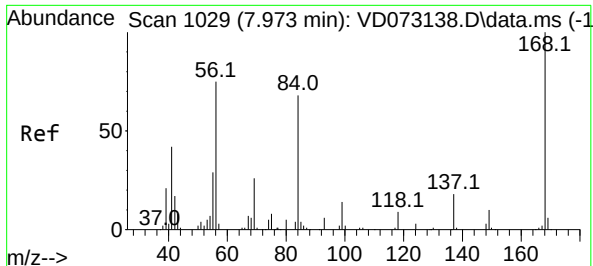
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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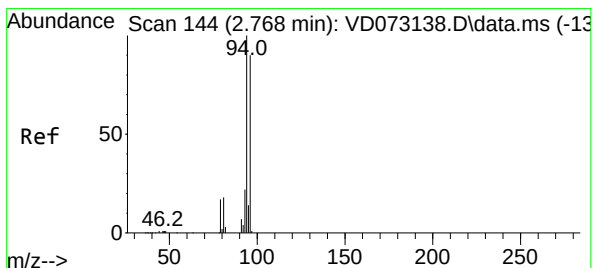
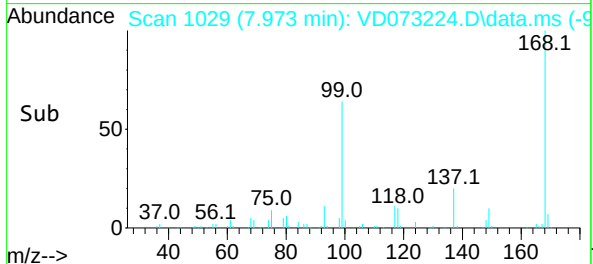
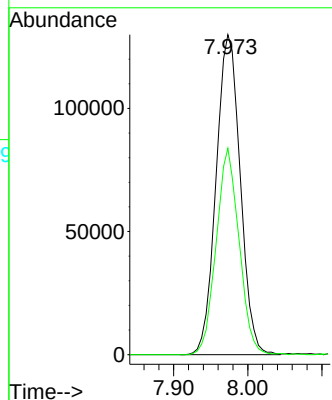
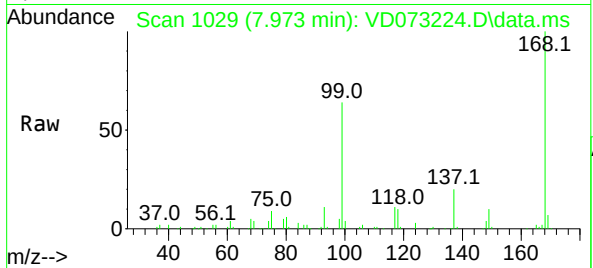




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

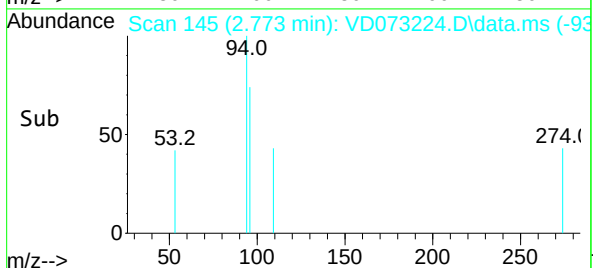
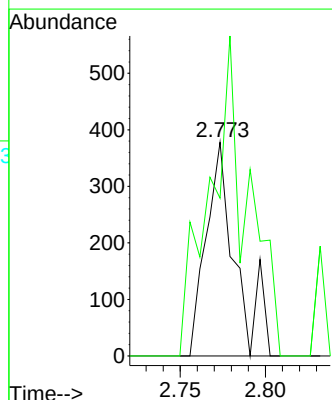
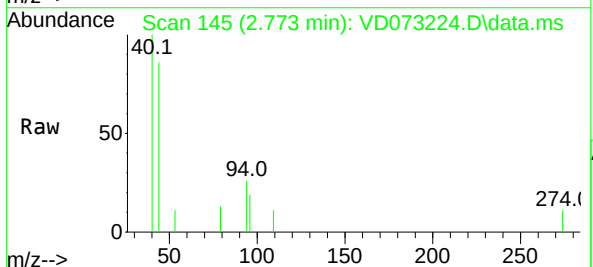
Instrument :
MSVOA_D
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P004-SS002-0612-01

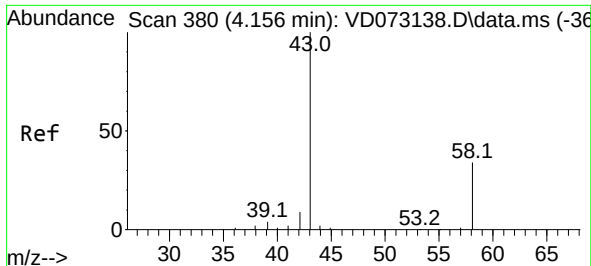
Tgt Ion:168 Resp: 294142
Ion Ratio Lower Upper
168 100
99 64.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 73.8 77.6 116.4#

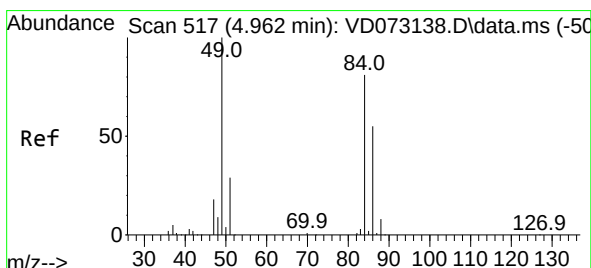
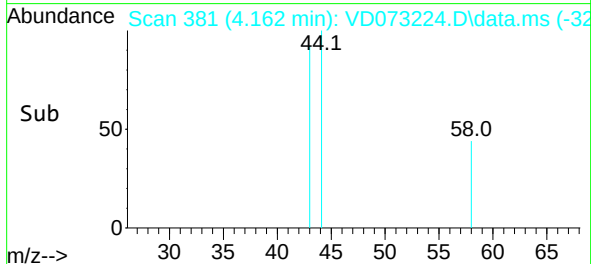
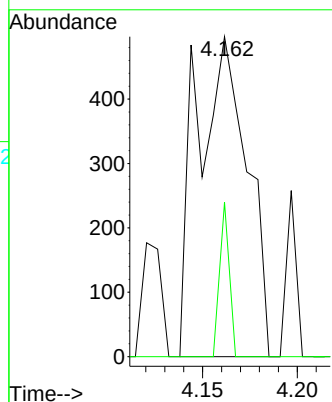
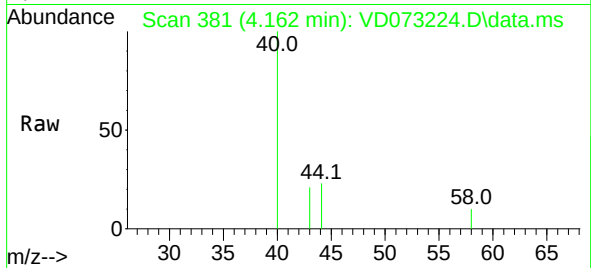




#16
Acetone
Concen: 1.623 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

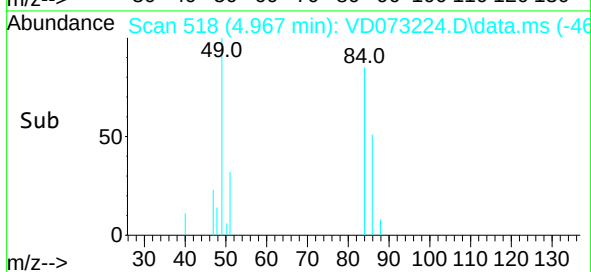
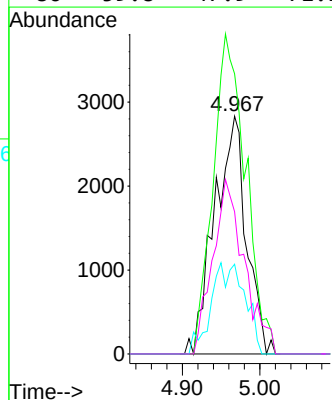
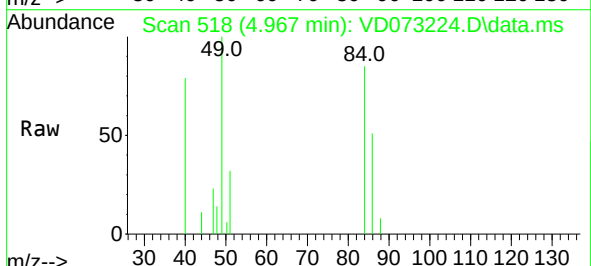
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

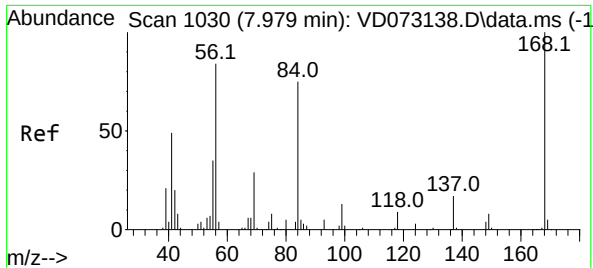
Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
58 48.3 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

Tgt Ion: 84 Resp: 8076
Ion Ratio Lower Upper
84 100
49 117.8 112.8 169.2
51 37.7 32.6 48.8
86 59.8 47.9 71.9

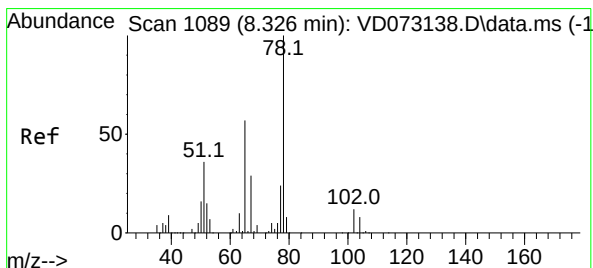
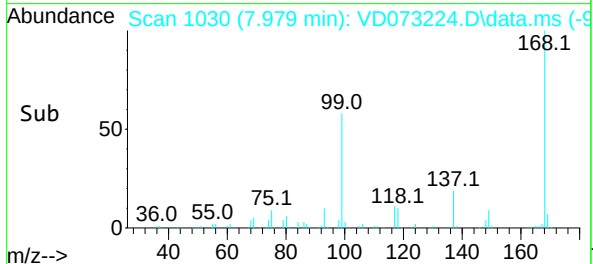
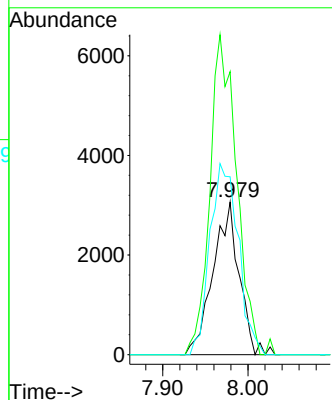
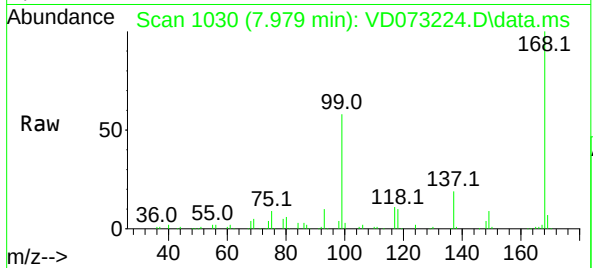




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

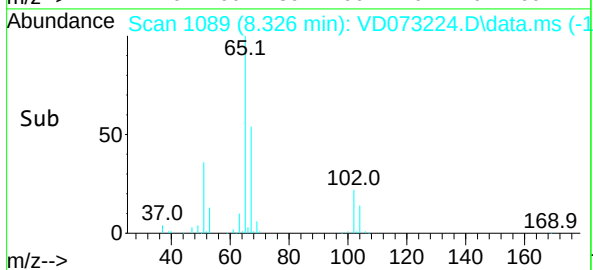
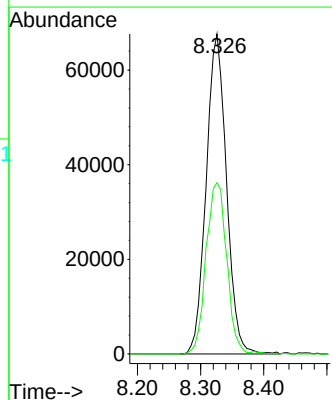
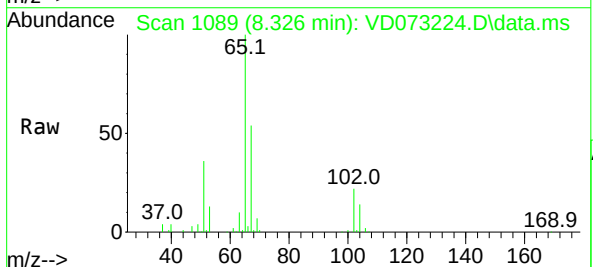
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

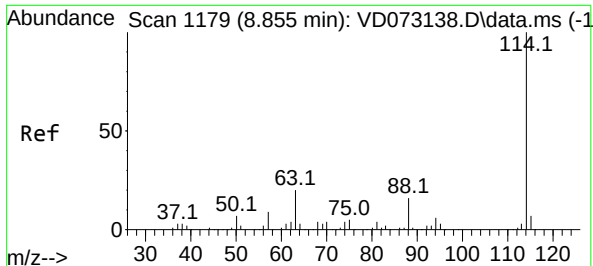
Tgt Ion: 56 Resp: 6544
Ion Ratio Lower Upper
56 100
69 185.4 25.4 38.2#
84 116.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.431 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

Tgt Ion: 65 Resp: 150932
Ion Ratio Lower Upper
65 100
67 54.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073224.D

Acq: 21 May 2022 12:05

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-0612-01

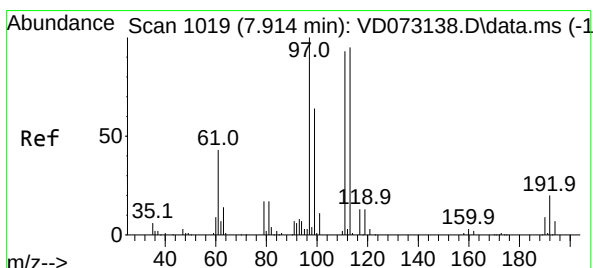
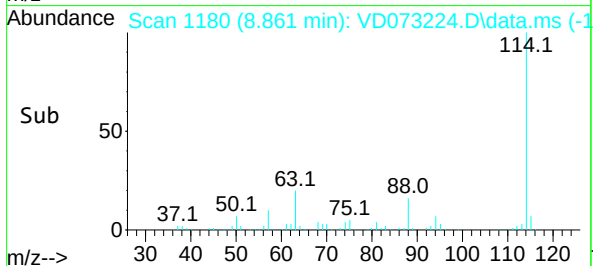
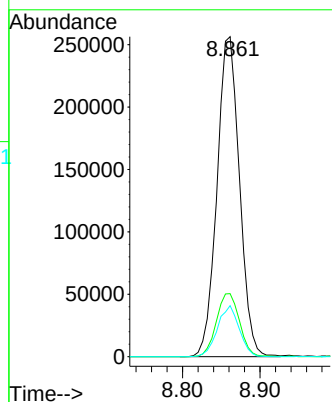
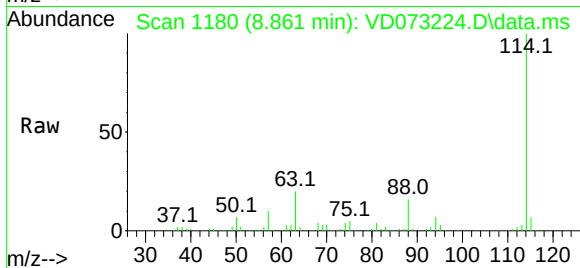
Tgt Ion:114 Resp: 517894

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.407 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073224.D

Acq: 21 May 2022 12:05

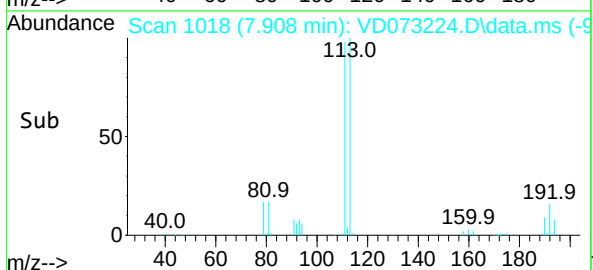
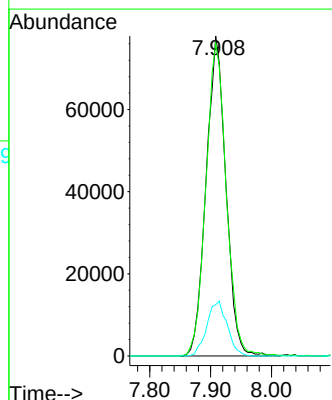
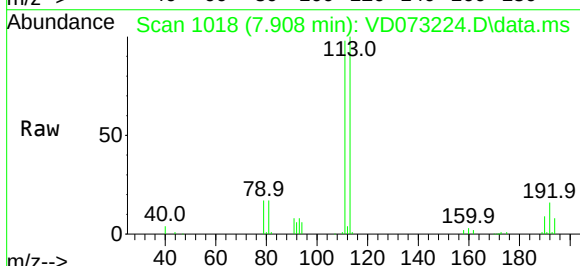
Tgt Ion:113 Resp: 175680

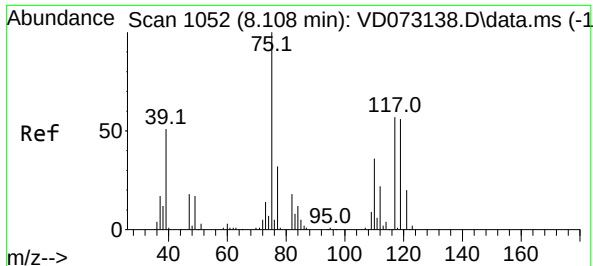
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.140 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073224.D

Acq: 21 May 2022 12:05

Instrument :

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ClientSampleId :

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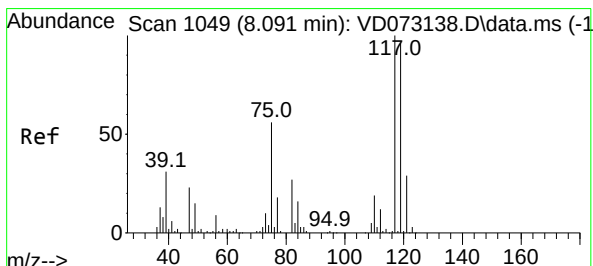
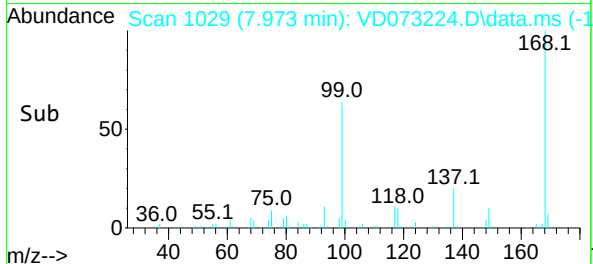
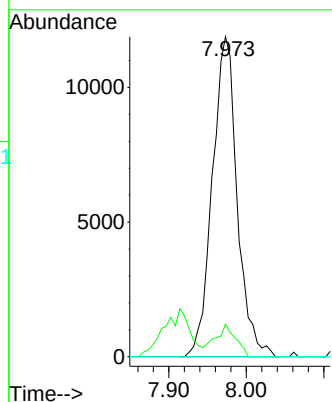
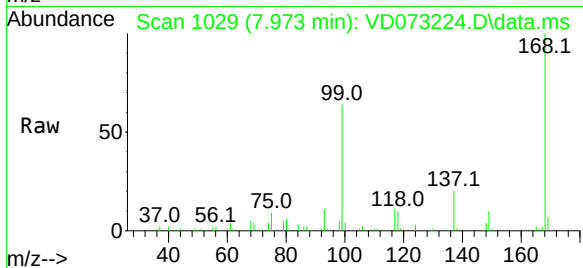
Tgt Ion: 75 Resp: 26417

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.145 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073224.D

Acq: 21 May 2022 12:05

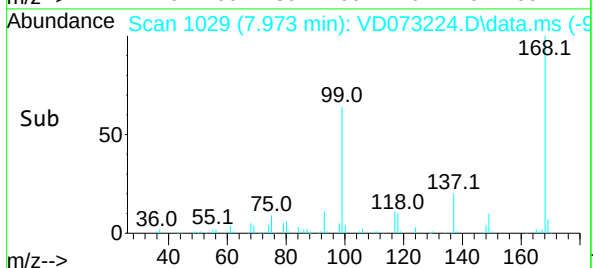
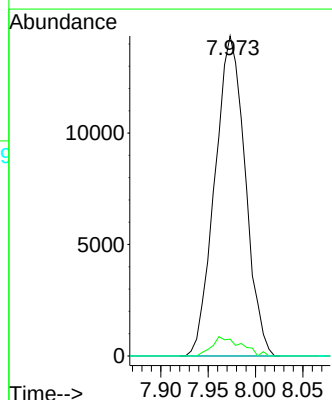
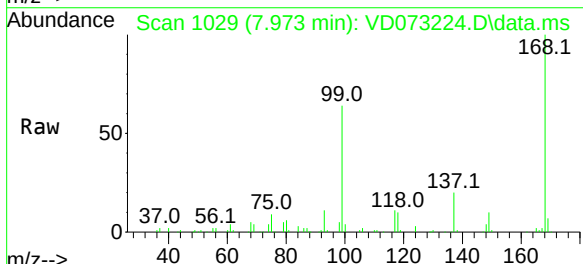
Tgt Ion: 117 Resp: 32018

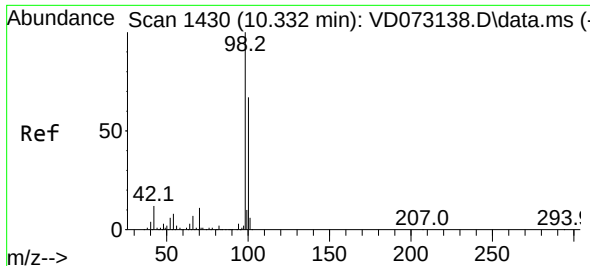
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

121 0.0 24.5 36.7#

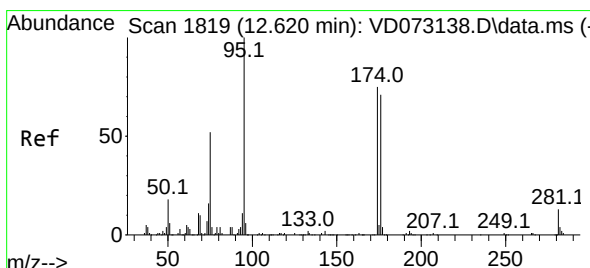
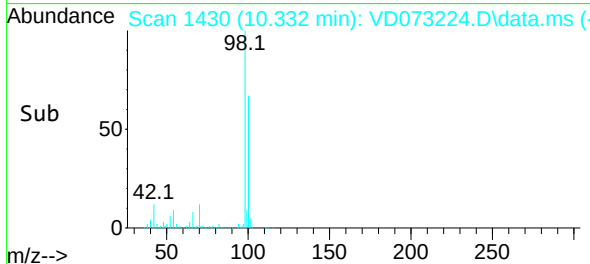
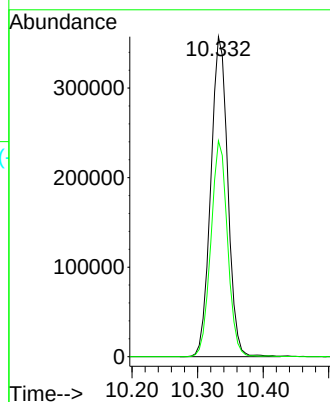
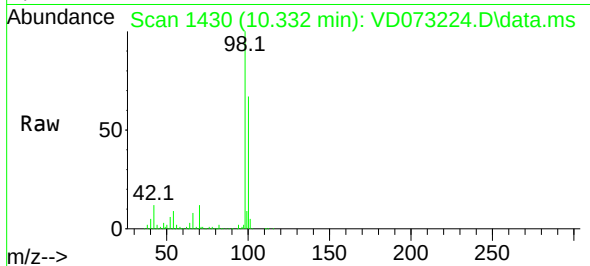




#50
Toluene-d8
Concen: 51.184 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

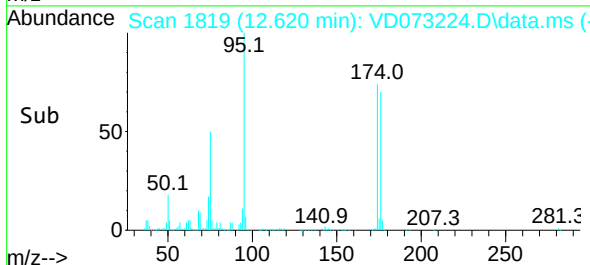
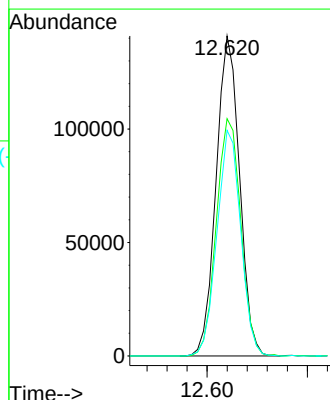
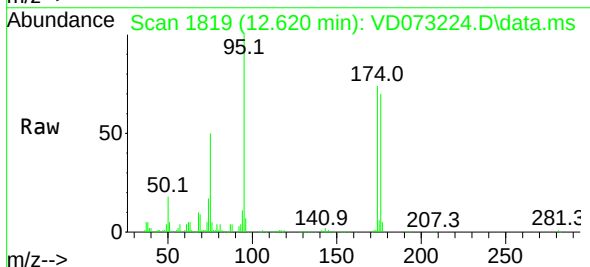
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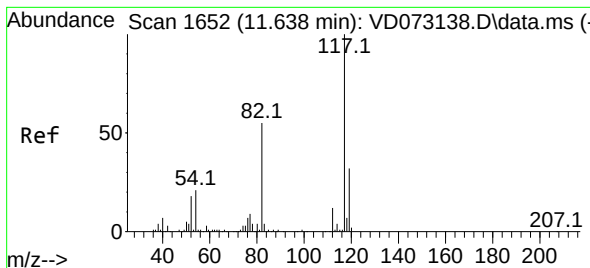
Tgt Ion: 98 Resp: 644786
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

Tgt Ion: 95 Resp: 228913
Ion Ratio Lower Upper
95 100
174 77.2 0.0 152.8
176 71.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073224.D

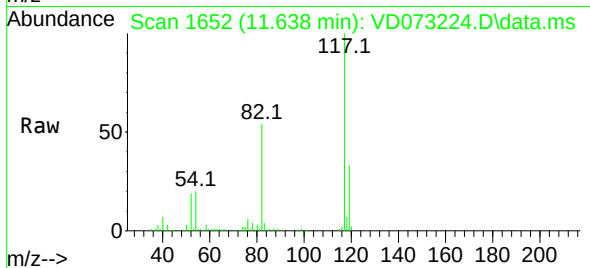
Acq: 21 May 2022 12:05

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-0612-01



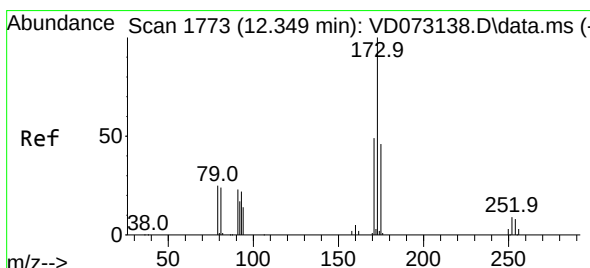
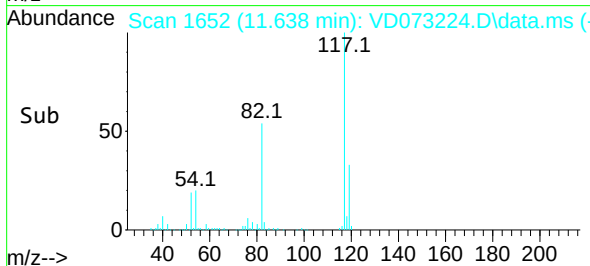
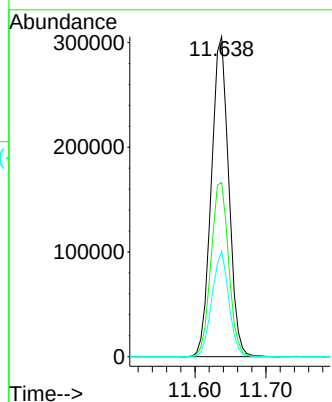
Tgt Ion:117 Resp: 519021

Ion Ratio Lower Upper

117 100

82 54.4 45.3 67.9

119 32.9 26.6 40.0



#71

Bromoform

Concen: 1.082 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073224.D

Acq: 21 May 2022 12:05

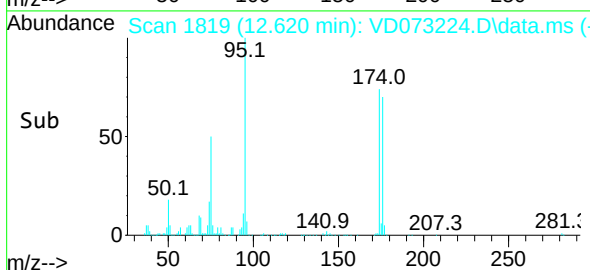
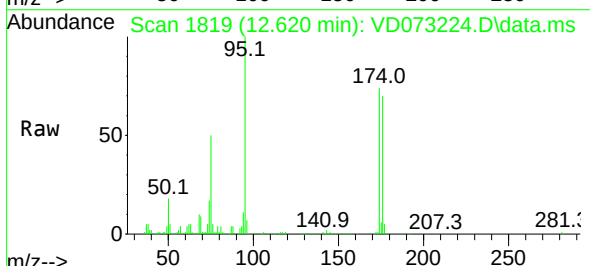
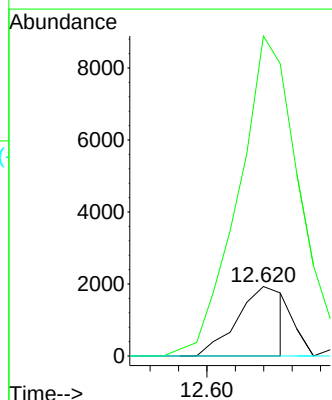
Tgt Ion:173 Resp: 2199

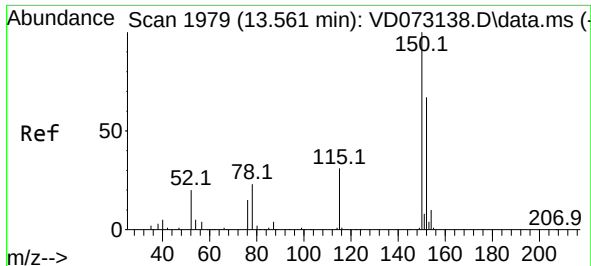
Ion Ratio Lower Upper

173 100

175 456.3 23.9 71.8#

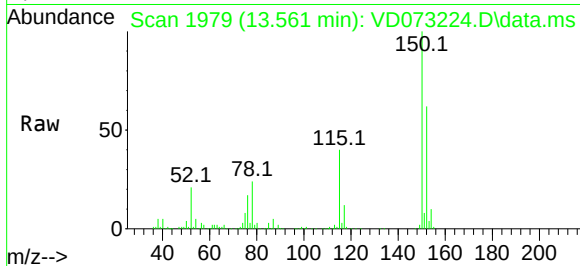
254 0.0 0.0 0.0



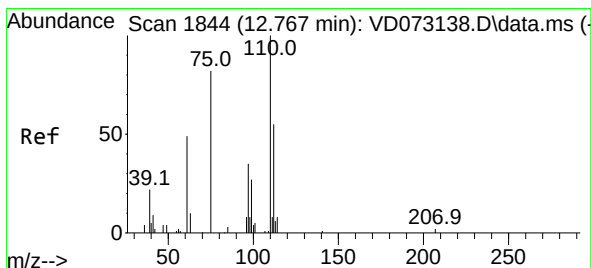
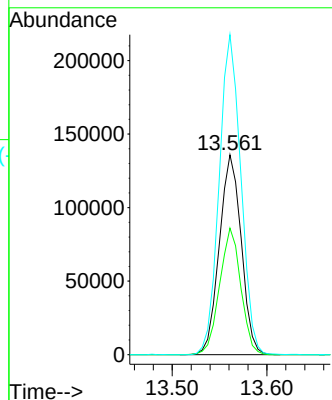
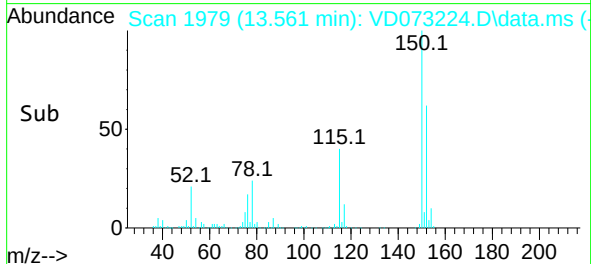


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073224.D
 Acq: 21 May 2022 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-0612-01

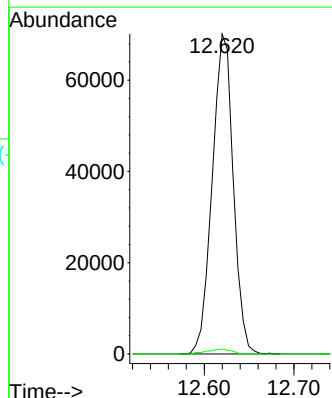
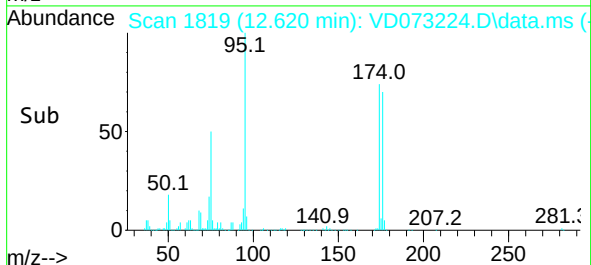
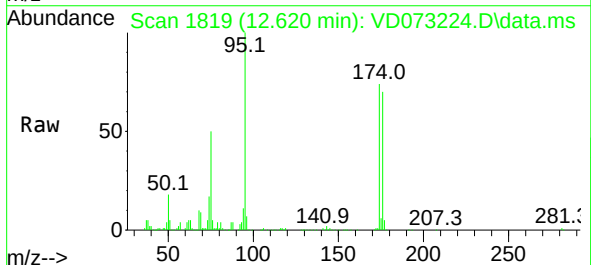


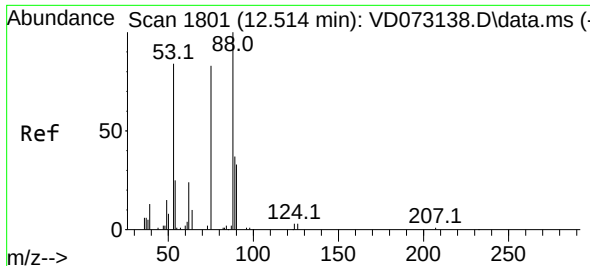
Tgt Ion:152 Resp: 218504
 Ion Ratio Lower Upper
 152 100
 115 61.3 31.3 93.8
 150 158.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 53.148 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073224.D
 Acq: 21 May 2022 12:05

Tgt Ion: 75 Resp: 113945
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

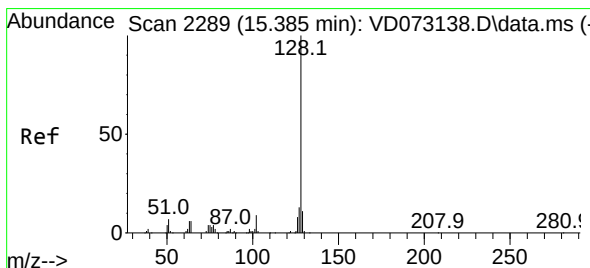
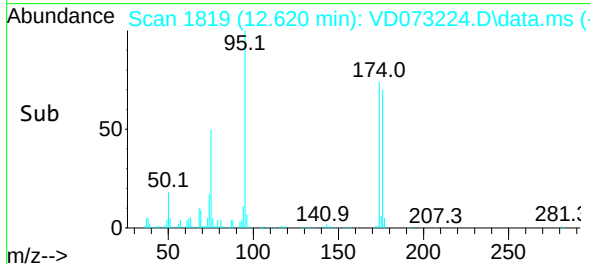
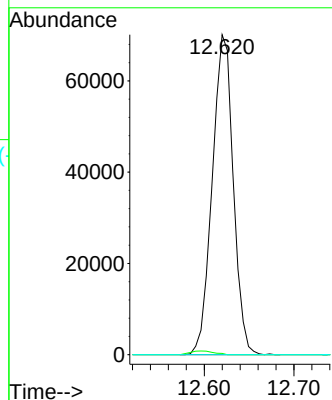
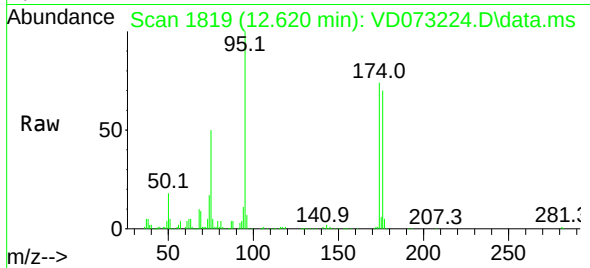




#81
trans-1,4-Dichloro-2-butene
Concen: 127.593 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

Tgt Ion: 75 Resp: 113945
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.561 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073224.D
Acq: 21 May 2022 12:05

Tgt Ion: 128 Resp: 147
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

