

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073263.D
 Acq On : 22 May 2022 08:58
 Operator : VA/SY
 Sample : N2920-18
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS006-0006-01

Quant Time: May 23 01:14:37 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)

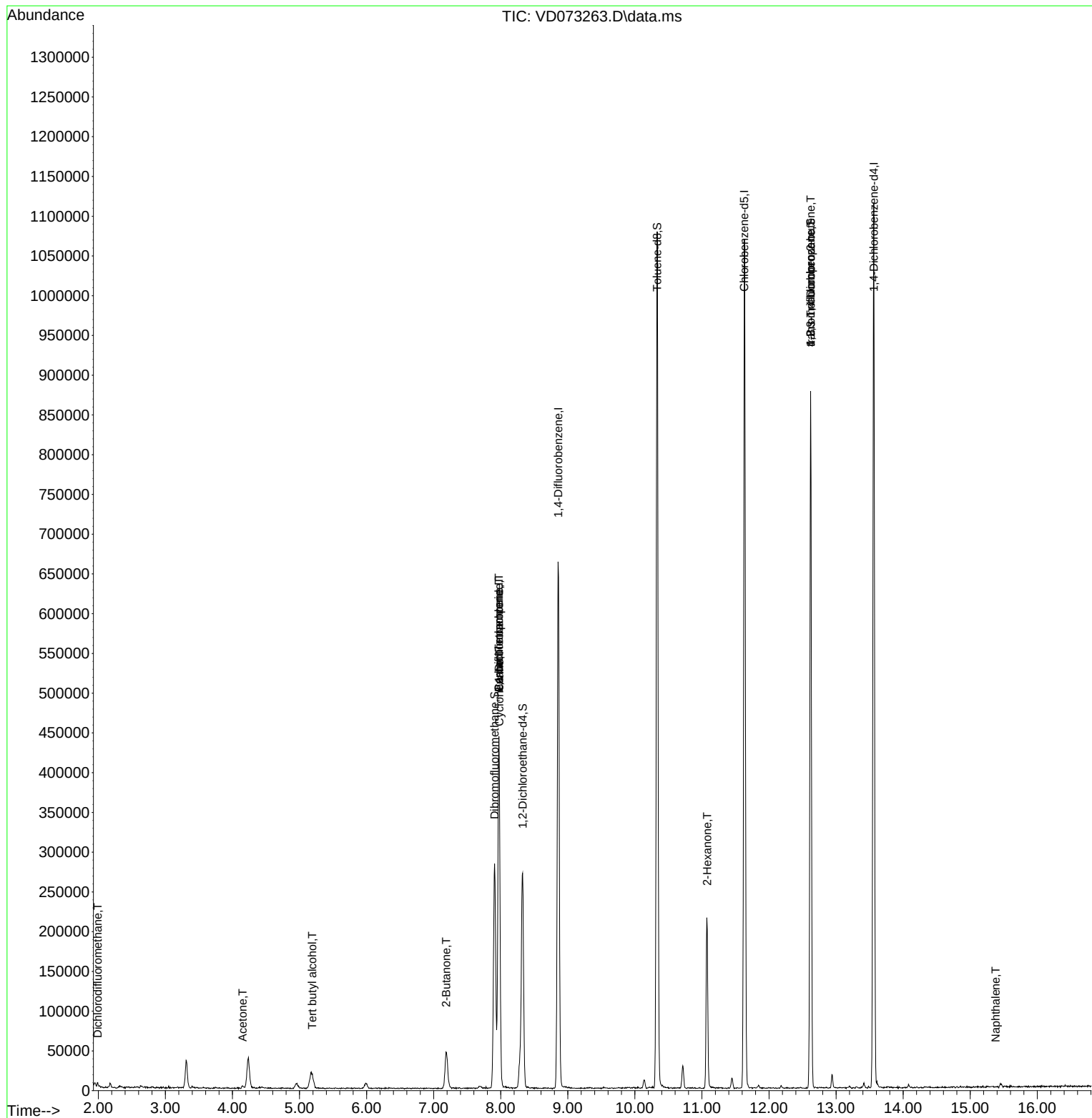
Internal Standards						
1) Pentafluorobenzene	7.973	168	316721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	570130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	628660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	292797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217881	62.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.500%	
35) Dibromofluoromethane	7.909	113	207199	55.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.160%	
50) Toluene-d8	10.332	98	718440	51.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.620%	
62) 4-Bromofluorobenzene	12.620	95	284029	58.360	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	3706	1.171	ug/l	86
5) Bromomethane	2.774	94	806	Below Cal		96
11) Tert butyl alcohol	5.191	59	18443	33.961	ug/l #	74
16) Acetone	4.150	43	4739	7.817	ug/l	98
20) Methylene Chloride	4.962	84	5003	Below Cal	#	67
25) 2-Butanone	7.185	43	1627	1.834	ug/l #	52
31) Cyclohexane	7.979	56	7396	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	27506	4.861	ug/l #	51
38) Carbon Tetrachloride	7.973	117	34040	5.935	ug/l #	16
59) 2-Hexanone	11.079	43	2056	1.453	ug/l #	51
76) 1,2,3-Trichloropropane	12.620	75	141468	49.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	141468	118.218	ug/l #	7
95) Naphthalene	15.379	128	149	3.556	ug/l #	70

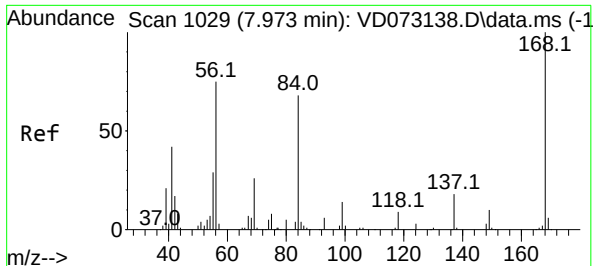
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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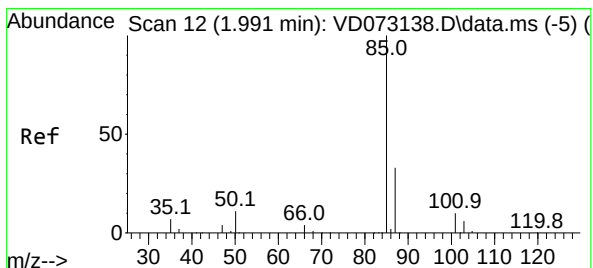
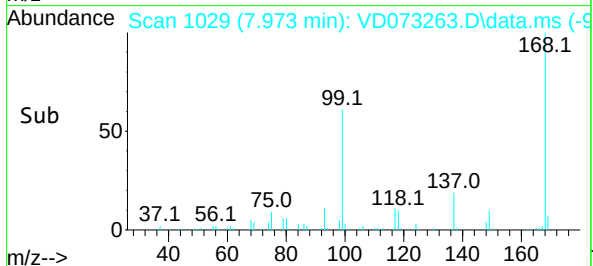
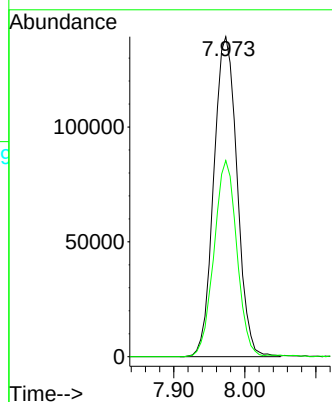
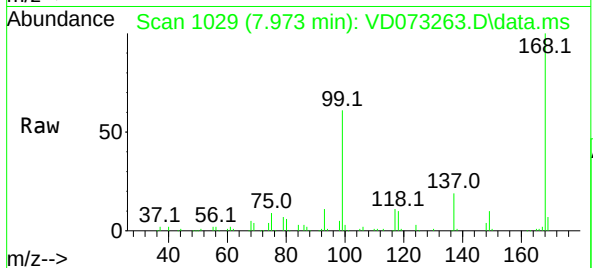




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

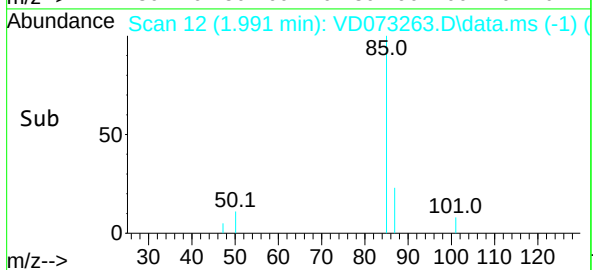
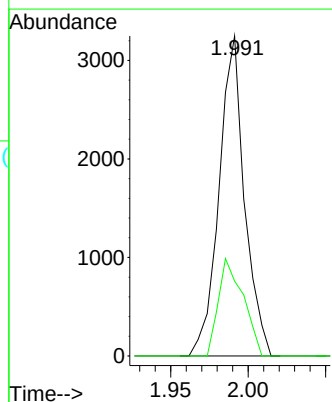
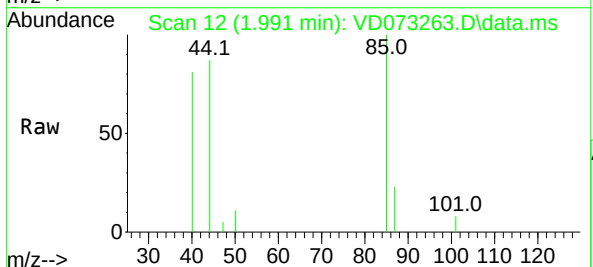
Instrument :
MSVOA_D
ClientSampleId :
P024-SS006-0006-01

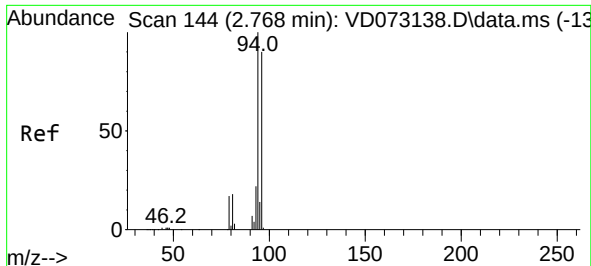
Tgt Ion:168 Resp: 316721
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.171 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

Tgt Ion: 85 Resp: 3706
Ion Ratio Lower Upper
85 100
87 23.4 15.7 47.0

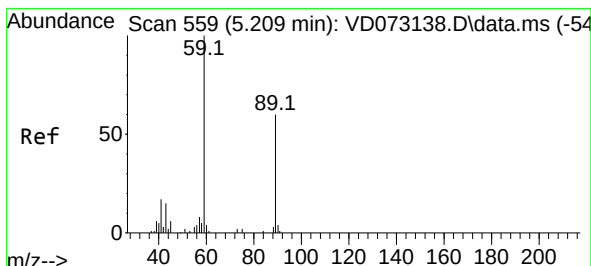
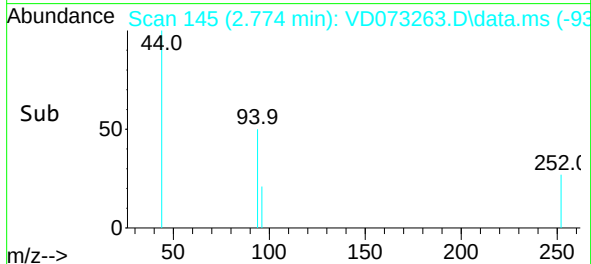
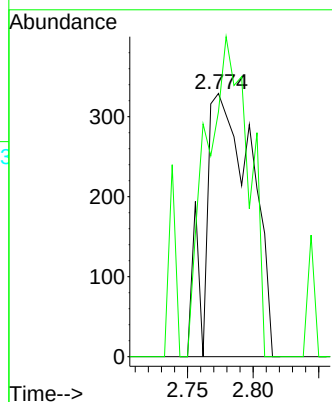
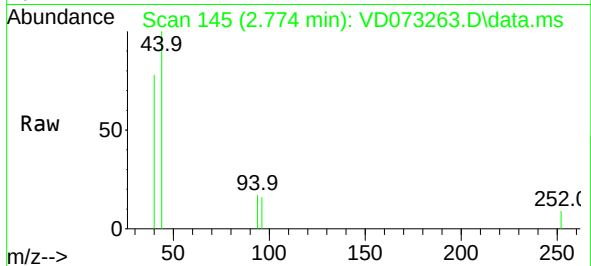




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

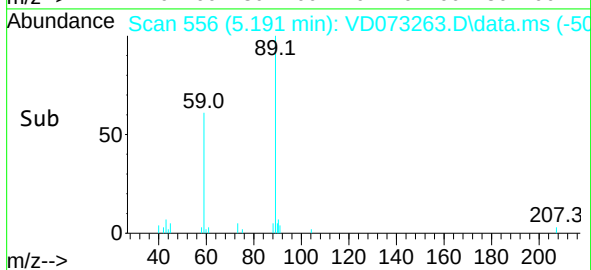
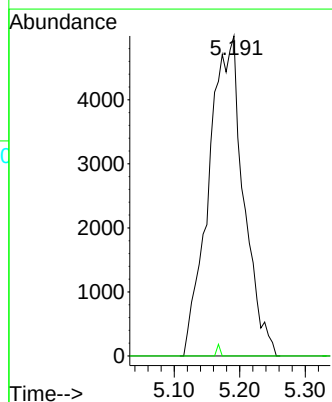
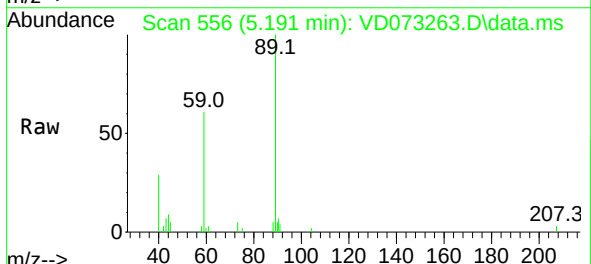
Instrument :
MSVOA_D
ClientSampleId :
P024-SS006-0006-01

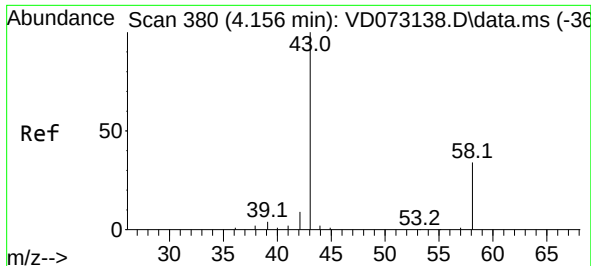
Tgt Ion: 94 Resp: 806
Ion Ratio Lower Upper
94 100
96 93.0 77.6 116.4



#11
Tert butyl alcohol
Concen: 33.961 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

Tgt Ion: 59 Resp: 18443
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 7.817 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

Instrument :

MSVOA_D

ClientSampleId :

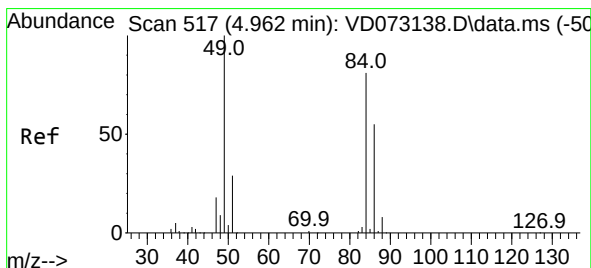
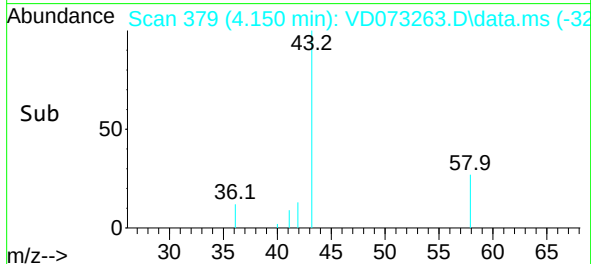
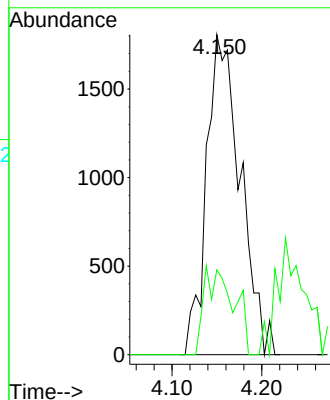
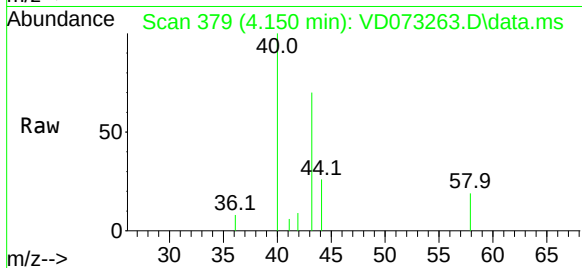
P024-SS006-0006-01

Tgt Ion: 43 Resp: 4739

Ion Ratio Lower Upper

43 100

58 26.5 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

Tgt Ion: 84 Resp: 5003

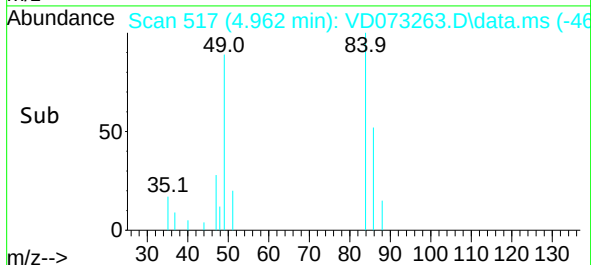
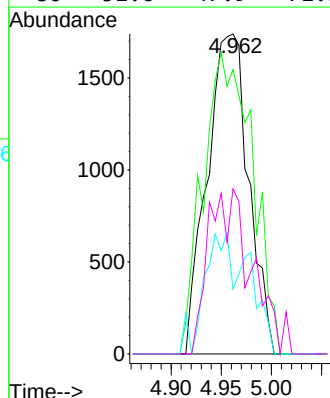
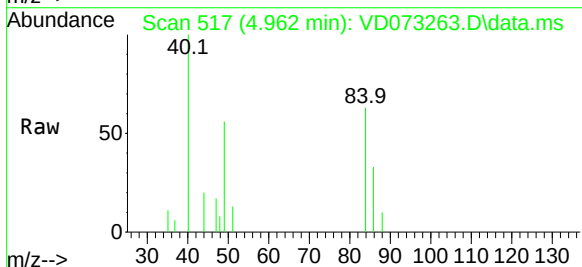
Ion Ratio Lower Upper

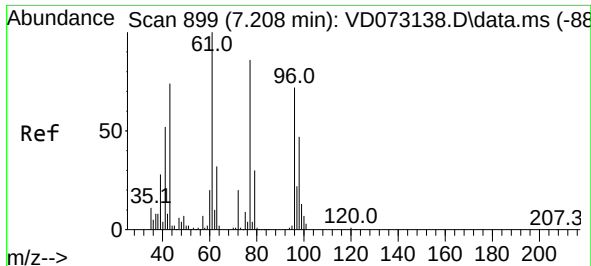
84 100

49 88.8 112.8 169.2#

51 20.3 32.6 48.8#

86 51.6 47.9 71.9

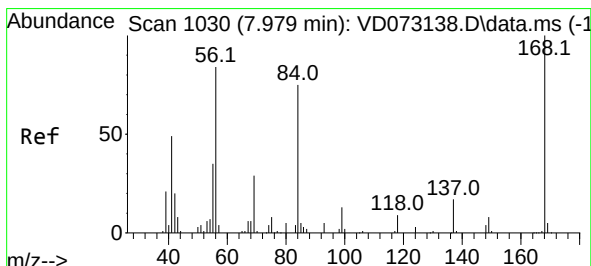
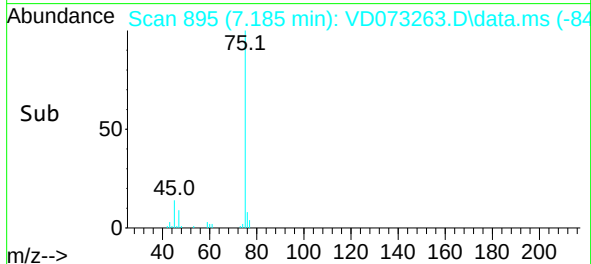
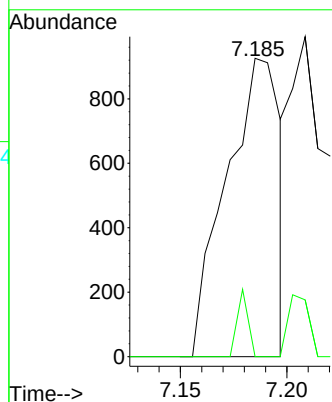
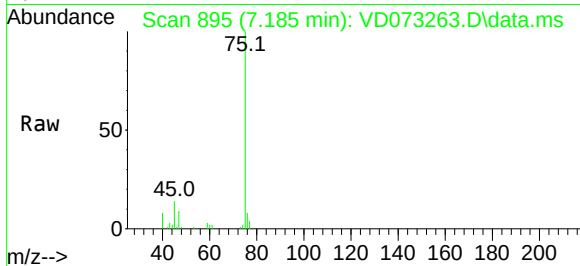




#25
2-Butanone
Concen: 1.834 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

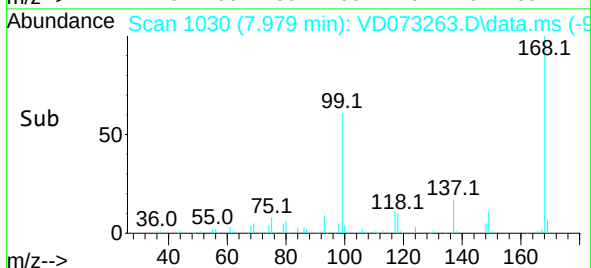
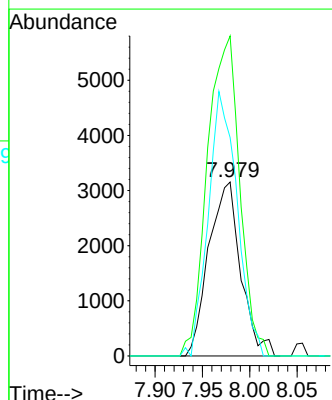
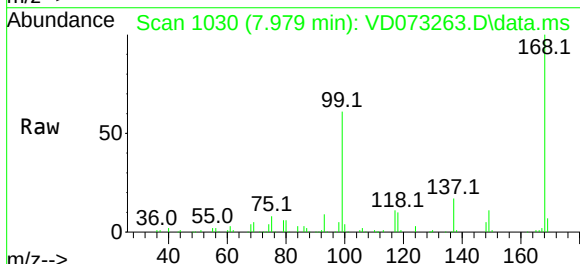
Instrument :
MSVOA_D
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P024-SS006-0006-01

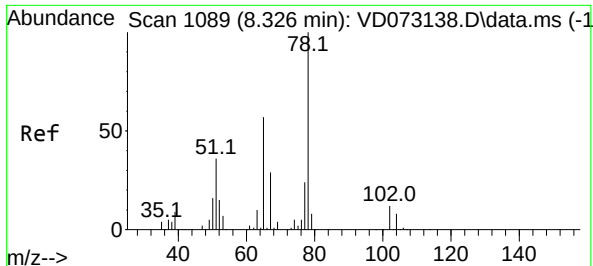
Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

Tgt Ion: 56 Resp: 7396
Ion Ratio Lower Upper
56 100
69 184.0 25.4 38.2#
84 125.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 62.248 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

Instrument :

MSVOA_D

ClientSampleId :

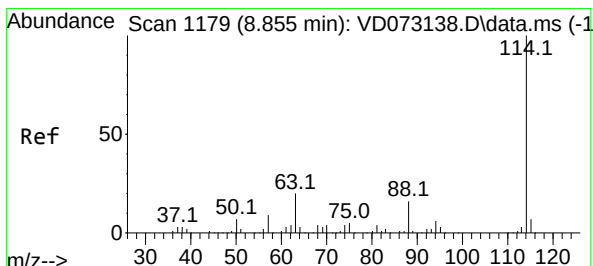
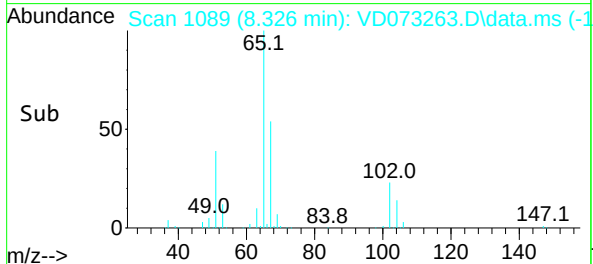
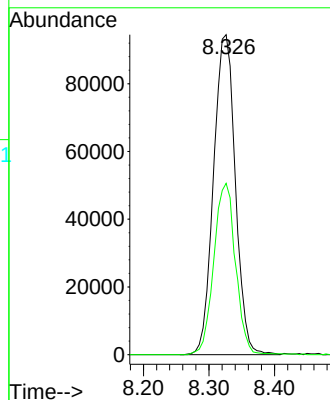
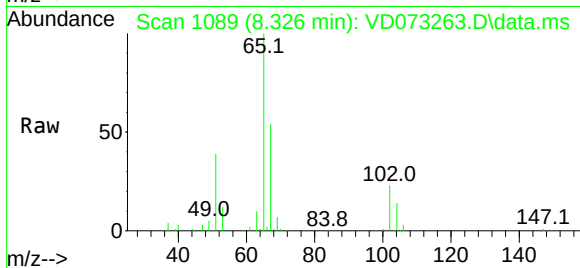
P024-SS006-0006-01

Tgt Ion: 65 Resp: 217881

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

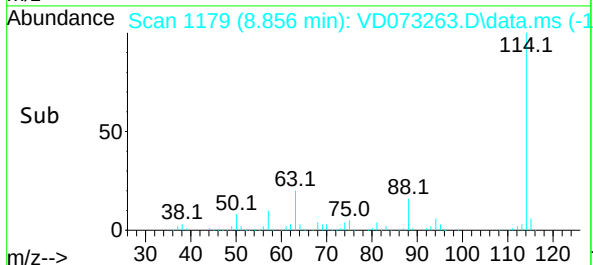
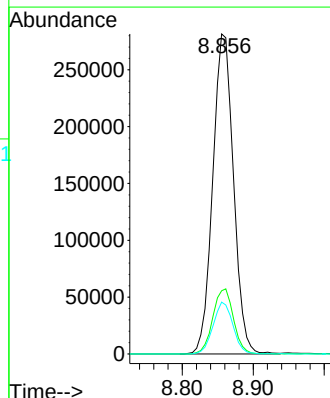
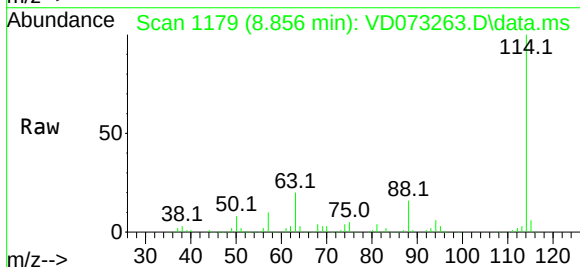
Tgt Ion: 114 Resp: 570130

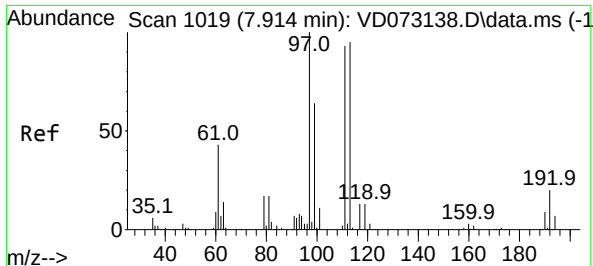
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 55.075 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

Instrument :

MSVOA_D

ClientSampleId :

P024-SS006-0006-01

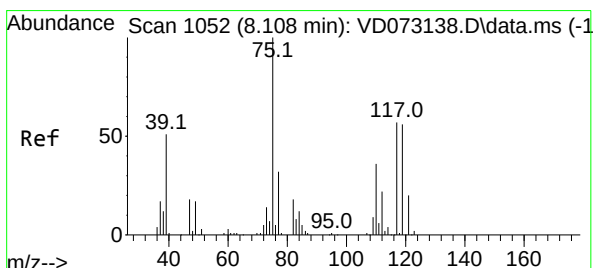
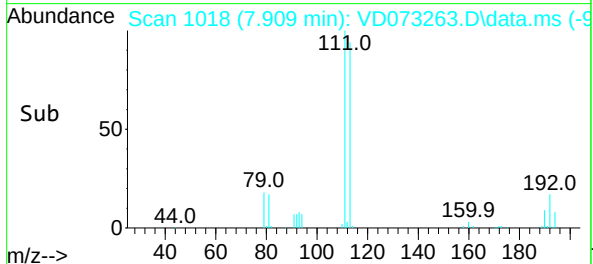
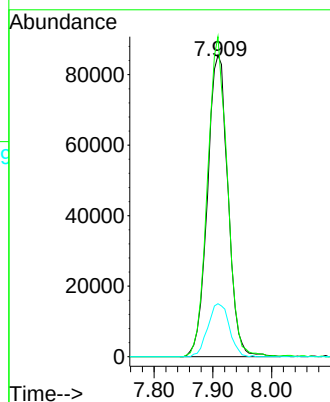
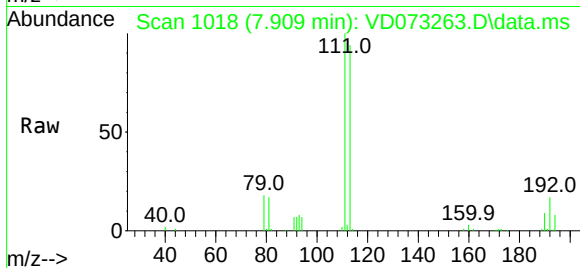
Tgt Ion:113 Resp: 207199

Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.861 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

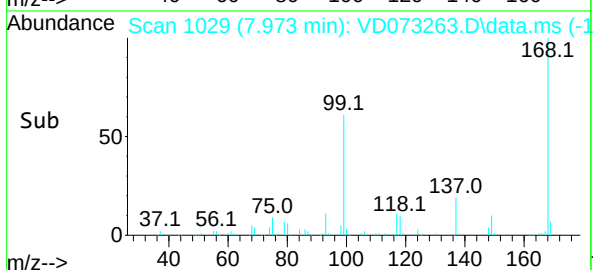
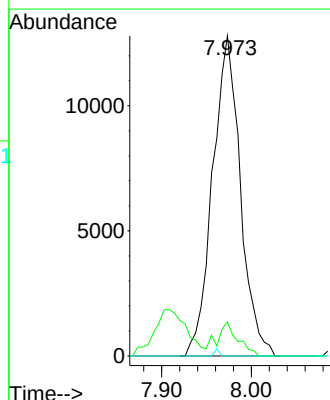
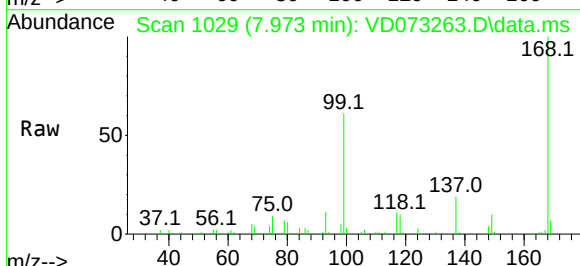
Tgt Ion: 75 Resp: 27506

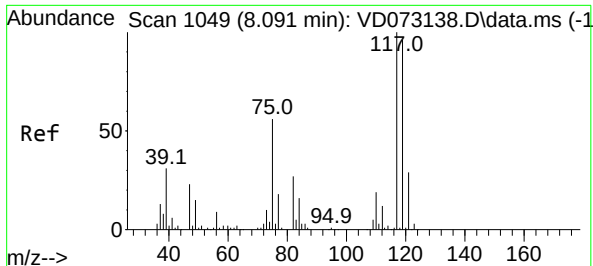
Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

77 0.4 24.2 36.2#

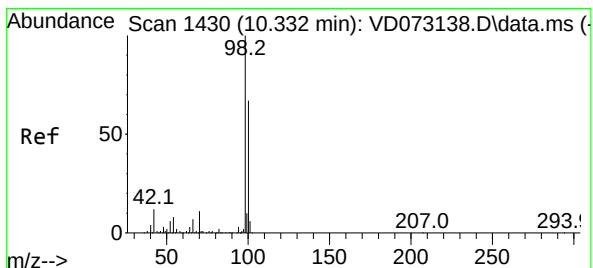
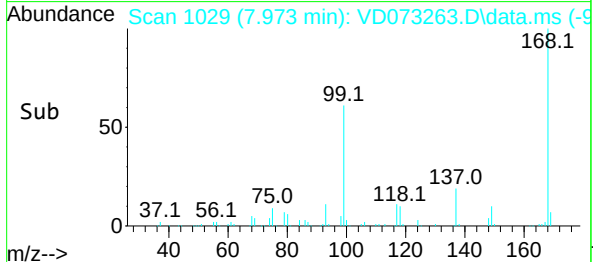
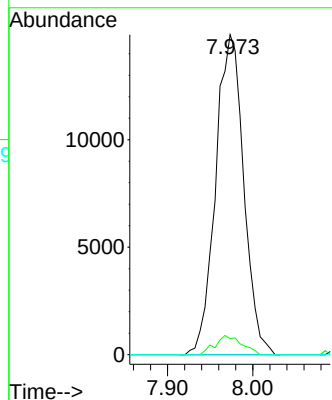
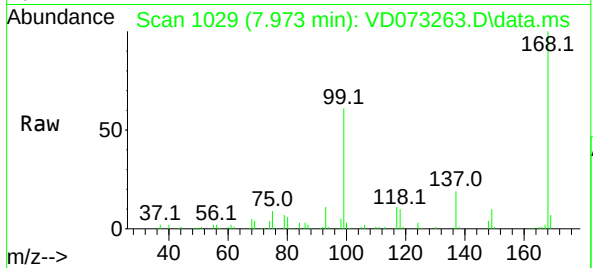




#38
Carbon Tetrachloride
Concen: 5.935 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

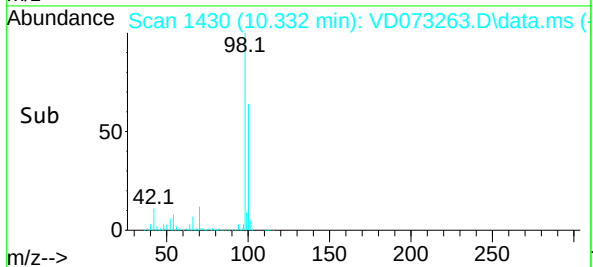
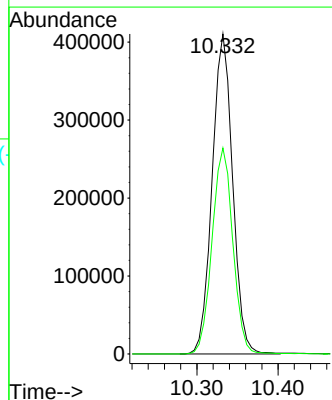
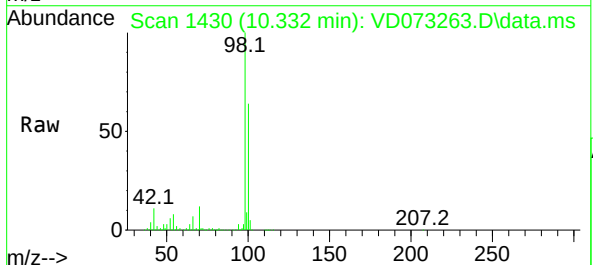
Instrument :
MSVOA_D
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P024-SS006-0006-01

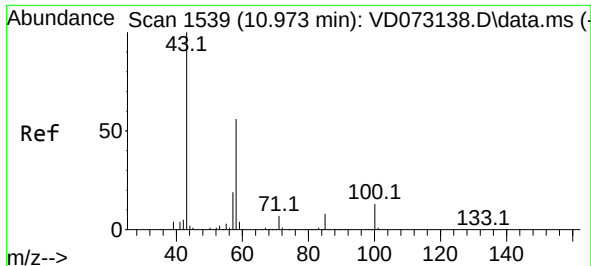
Tgt Ion:117 Resp: 34040
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.806 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

Tgt Ion: 98 Resp: 718440
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

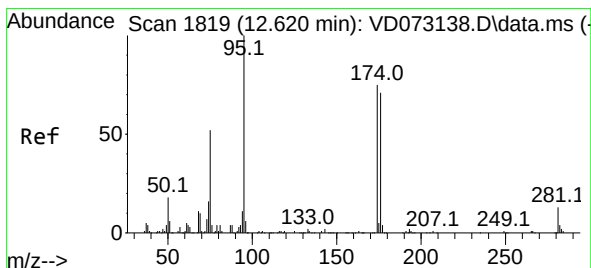
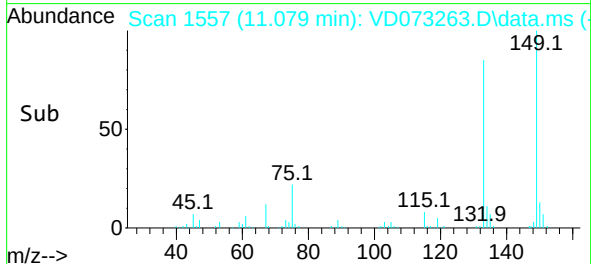
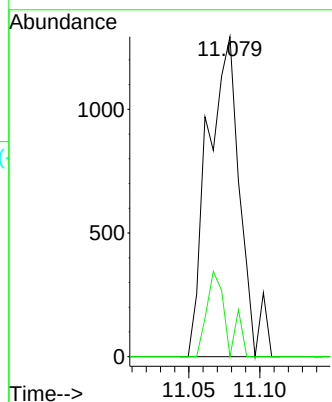
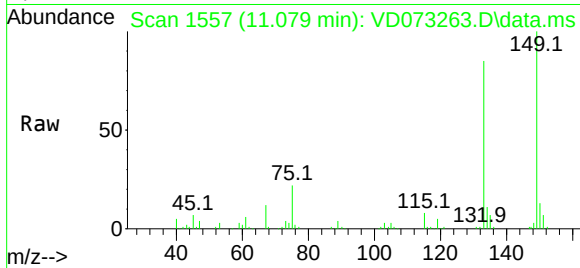




#59
2-Hexanone
Concen: 1.453 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

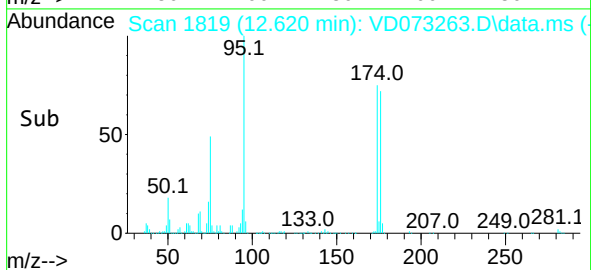
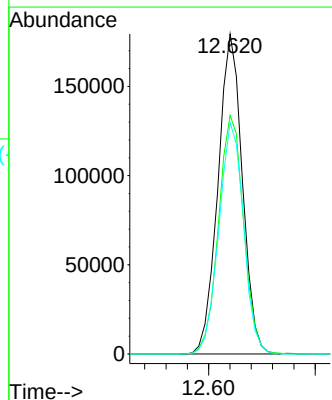
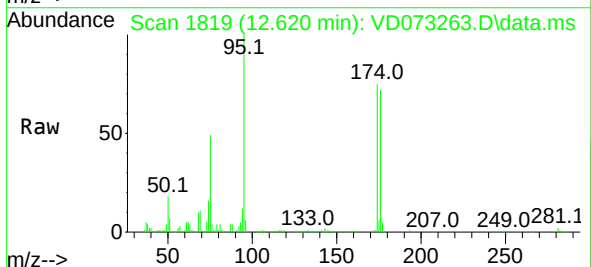
Instrument :
MSVOA_D
ClientSampleId :
P024-SS006-0006-01

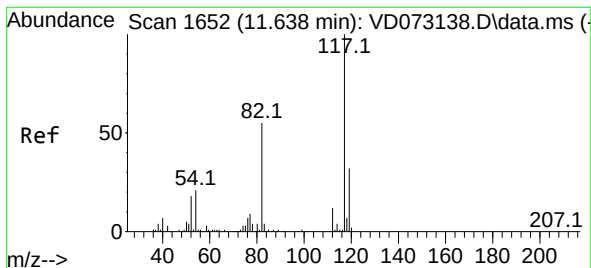
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 16.4 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 58.360 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

Tgt Ion: 95 Resp: 284029
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 73.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073263.D

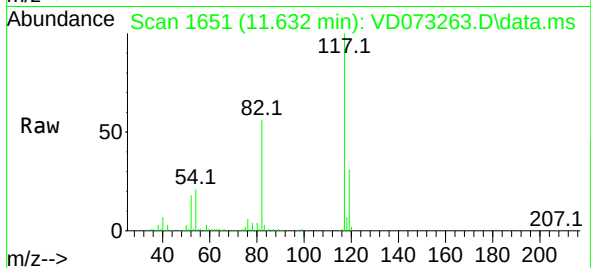
Acq: 22 May 2022 08:58

Instrument :

MSVOA_D

ClientSampleId :

P024-SS006-0006-01



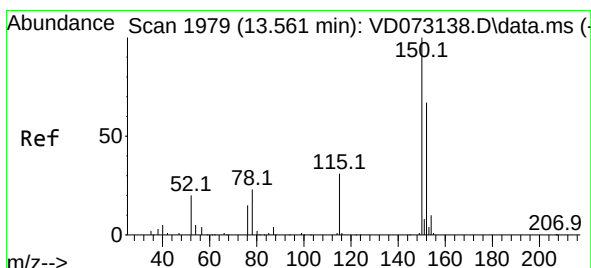
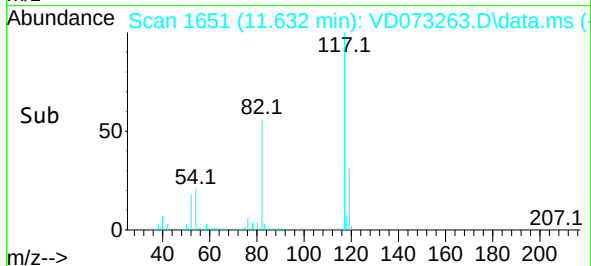
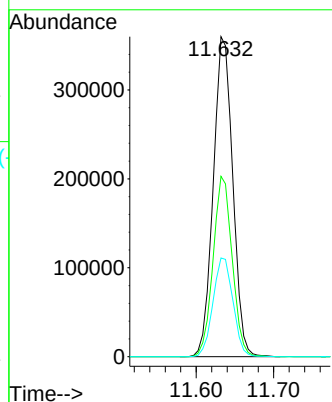
Tgt Ion:117 Resp: 628660

Ion Ratio Lower Upper

117 100

82 56.3 45.3 67.9

119 30.8 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073263.D

Acq: 22 May 2022 08:58

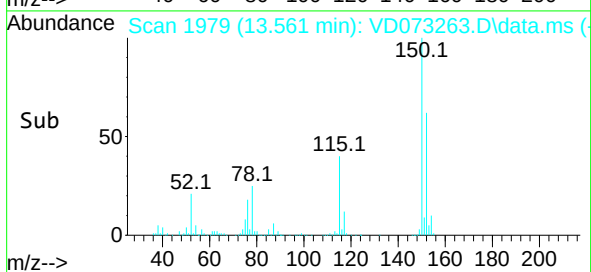
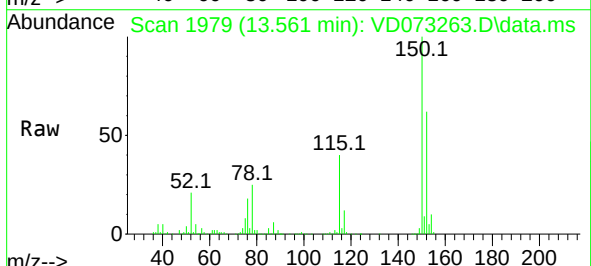
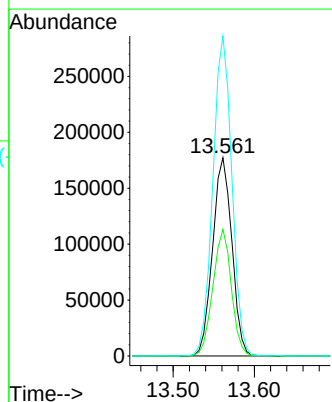
Tgt Ion:152 Resp: 292797

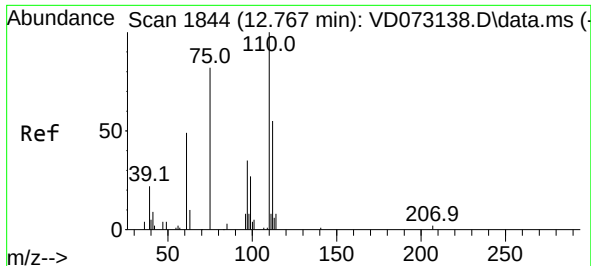
Ion Ratio Lower Upper

152 100

115 61.1 31.3 93.8

150 158.7 0.0 348.6

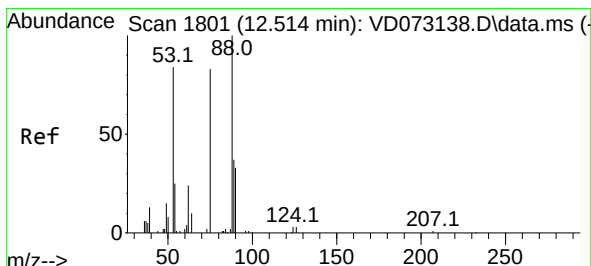
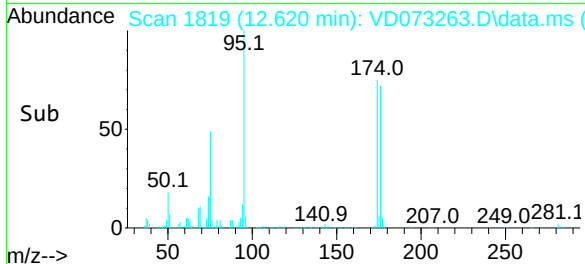
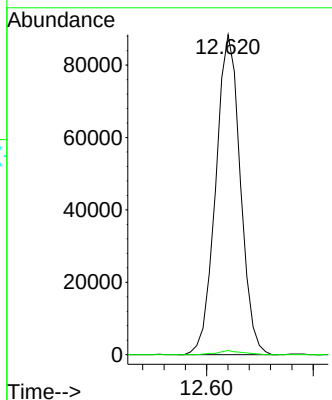
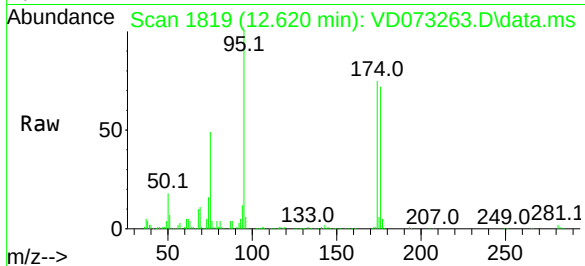




#76
1,2,3-Trichloropropane
Concen: 49.243 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

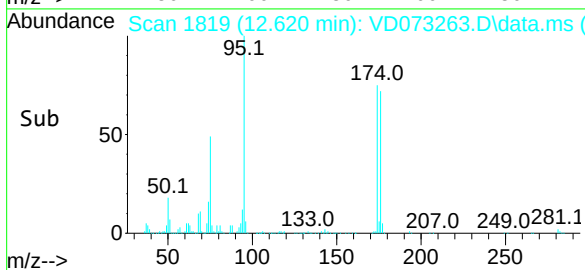
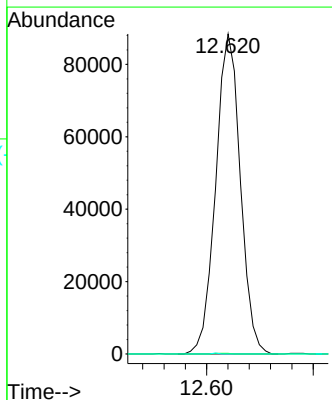
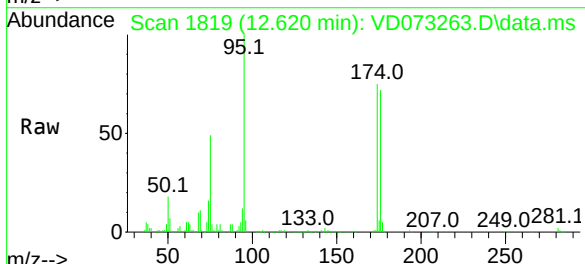
Instrument :
MSVOA_D
ClientSampleId :
P024-SS006-0006-01

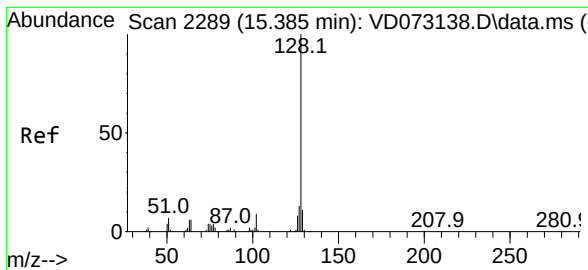
Tgt Ion: 75 Resp: 141468
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.218 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073263.D
Acq: 22 May 2022 08:58

Tgt Ion: 75 Resp: 141468
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 3.556 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD073263.D
 Acq: 22 May 2022 08:58

Instrument : MSVOA_D
 ClientSampleId : P024-SS006-0006-01

Tgt Ion:	128	Resp:	149
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

