

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073266.D
 Acq On : 22 May 2022 10:26
 Operator : VA/SY
 Sample : N2920-21
 Misc : 4.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS009-0006-01

Quant Time: May 23 01:15:16 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)

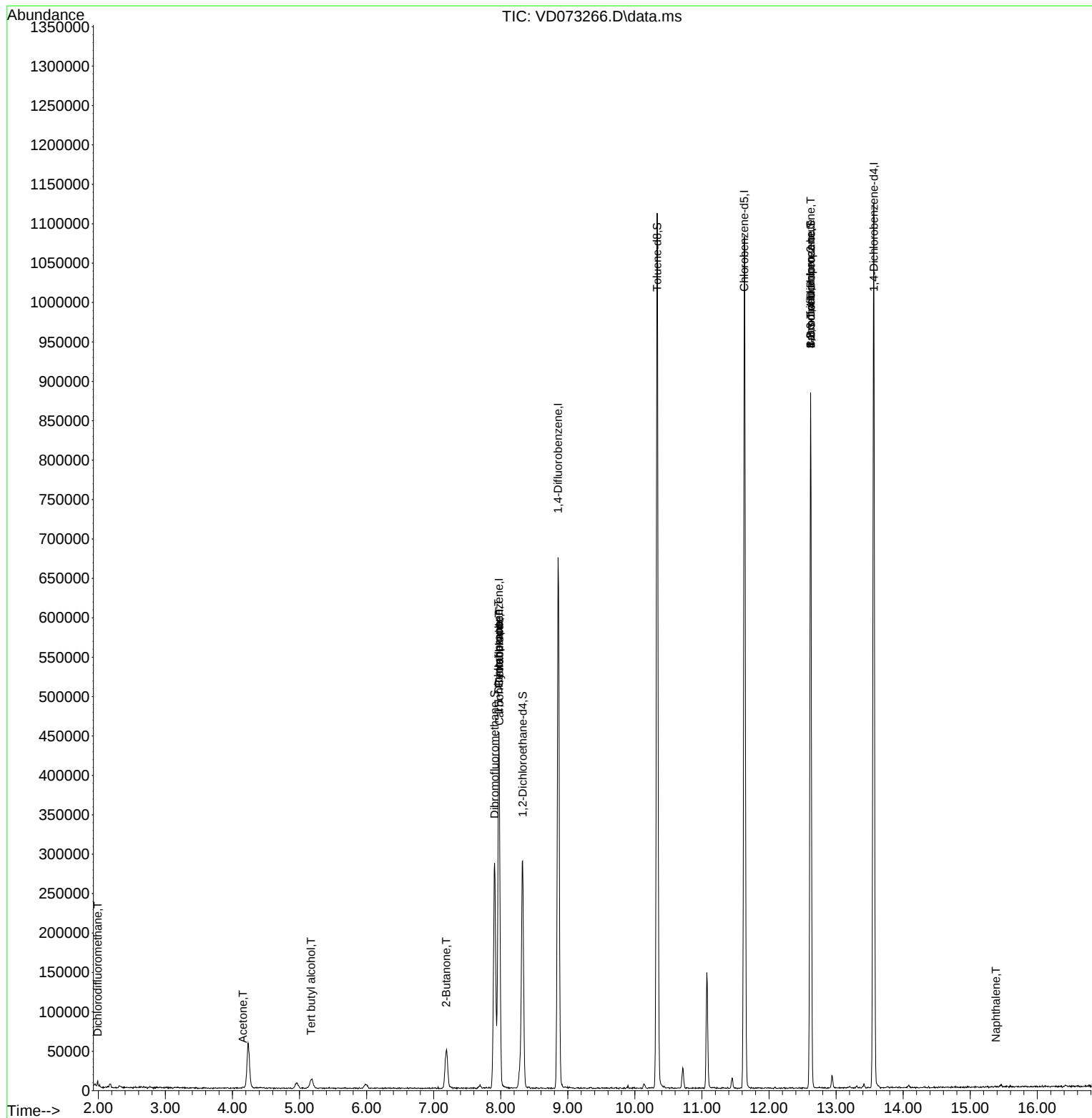
Internal Standards						
1) Pentafluorobenzene	7.973	168	319497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	572805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	626954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	292524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	227028	64.298	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.600%	
35) Dibromofluoromethane	7.909	113	206024	54.507	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.020%	
50) Toluene-d8	10.332	98	728051	52.253	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.620	95	283091	57.895	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	4802	1.504	ug/l	74
5) Bromomethane	2.774	94	606	Below Cal	#	57
11) Tert butyl alcohol	5.173	59	11124	20.306	ug/l #	75
16) Acetone	4.156	43	2201	3.599	ug/l	94
20) Methylene Chloride	4.962	84	5518	Below Cal	#	88
25) 2-Butanone	7.185	43	1853	2.071	ug/l #	52
31) Cyclohexane	7.973	56	7451	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	27396	4.819	ug/l #	51
38) Carbon Tetrachloride	7.979	117	34278	5.949	ug/l #	19
71) Bromoform	12.620	173	2576	1.049	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	142536	49.661	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	142536	119.221	ug/l #	7
95) Naphthalene	15.385	128	265	3.567	ug/l #	70

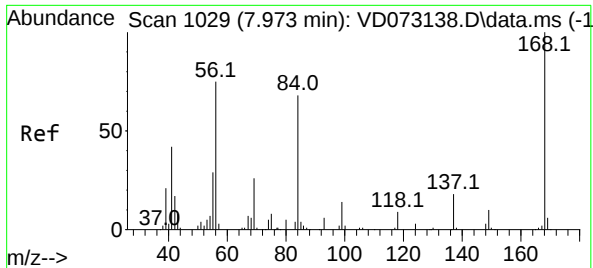
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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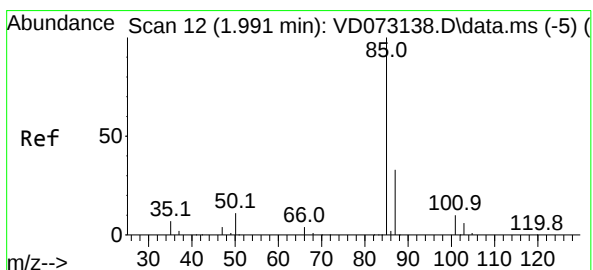
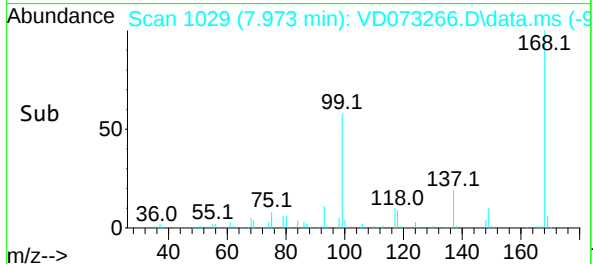
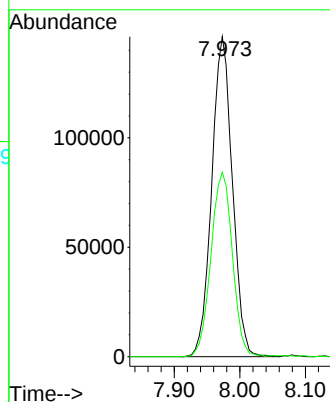
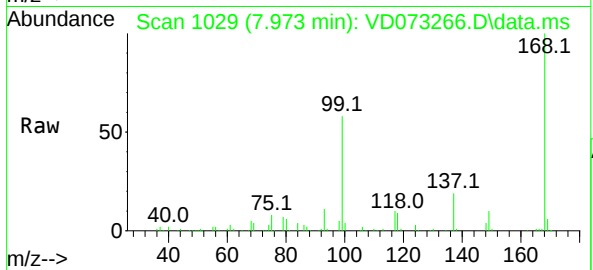




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

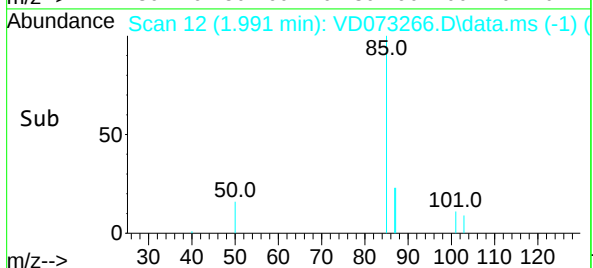
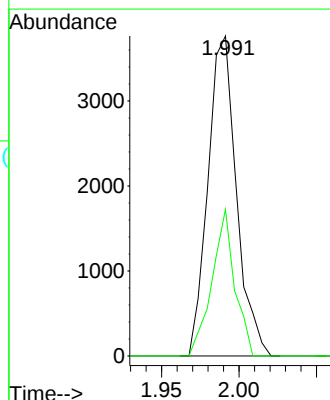
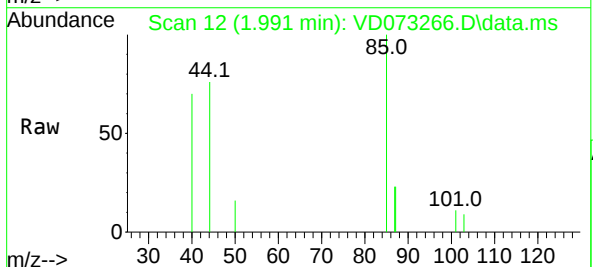
Instrument :
MSVOA_D
ClientSampleId :
P024-SS009-0006-01

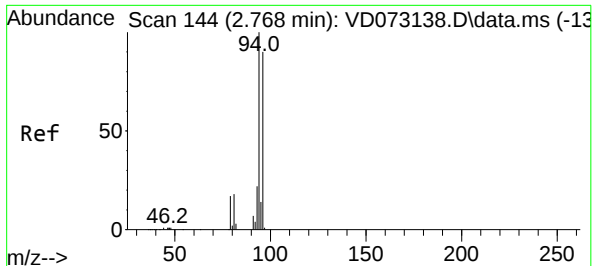
Tgt Ion:168 Resp: 319497
Ion Ratio Lower Upper
168 100
99 57.7 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.504 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

Tgt Ion: 85 Resp: 4802
Ion Ratio Lower Upper
85 100
87 45.9 15.7 47.0

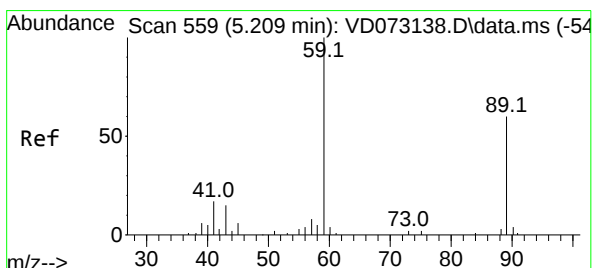
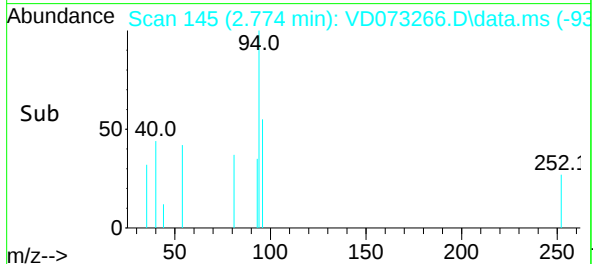
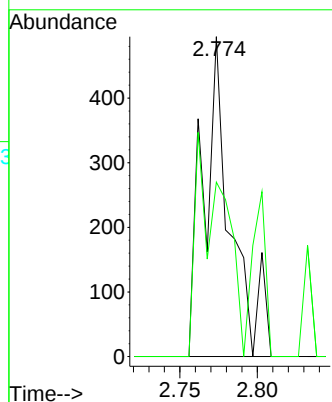
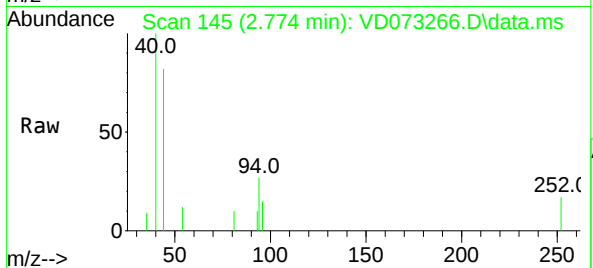




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

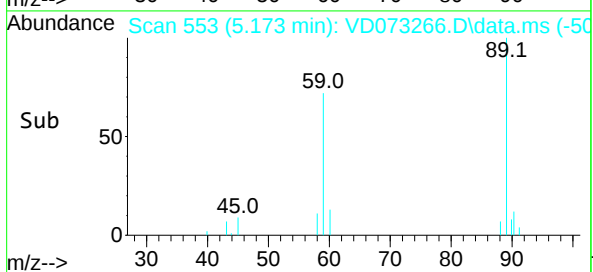
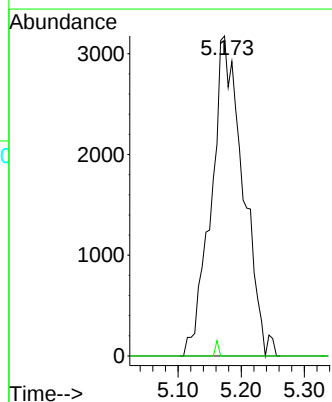
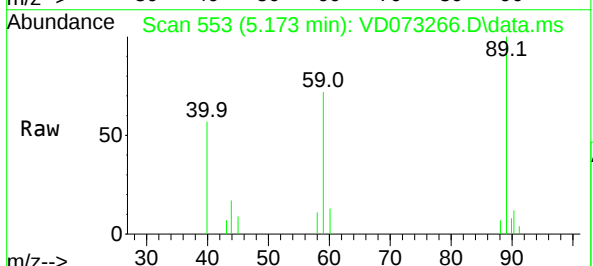
Instrument :
MSVOA_D
ClientSampleId :
P024-SS009-0006-01

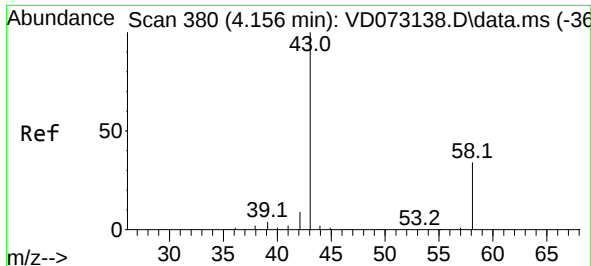
Tgt Ion: 94 Resp: 606
Ion Ratio Lower Upper
94 100
96 54.5 77.6 116.4#



#11
Tert butyl alcohol
Concen: 20.306 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

Tgt Ion: 59 Resp: 11124
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.6#





#16

Acetone

Concen: 3.599 ug/l

RT: 4.156 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

Instrument :

MSVOA_D

ClientSampleId :

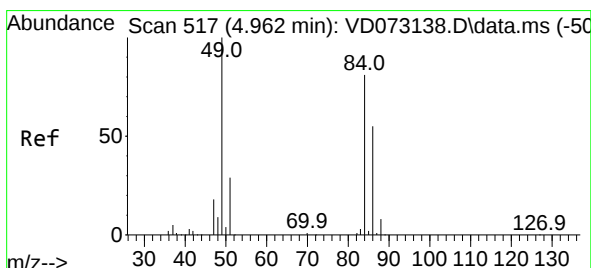
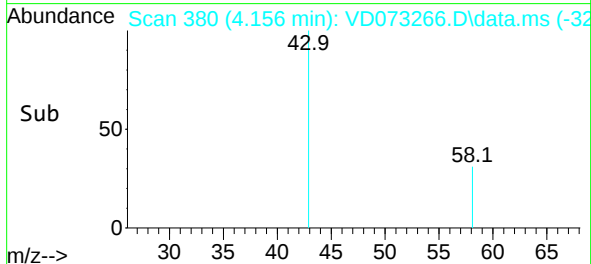
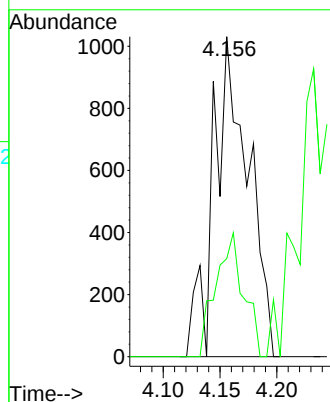
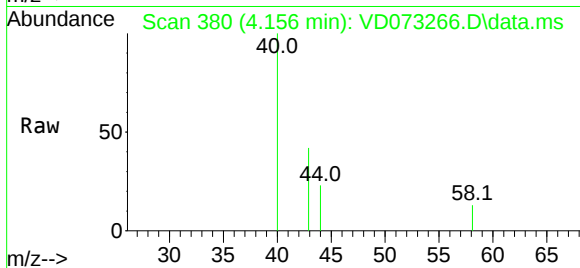
P024-SS009-0006-01

Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

58 30.6 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

Tgt Ion: 84 Resp: 5518

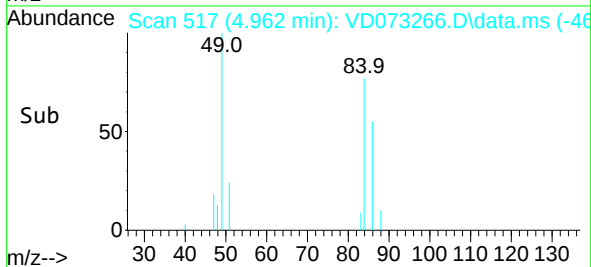
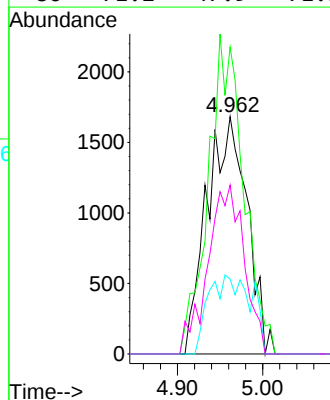
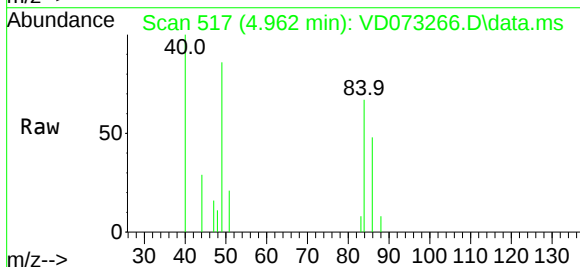
Ion Ratio Lower Upper

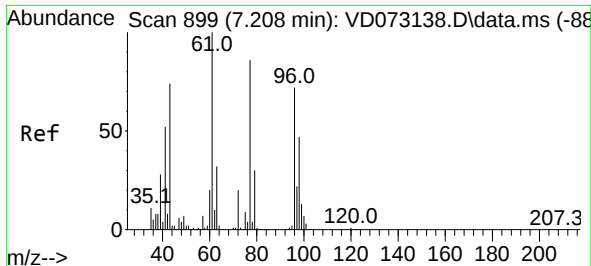
84 100

49 129.3 112.8 169.2

51 31.6 32.6 48.8#

86 71.2 47.9 71.9

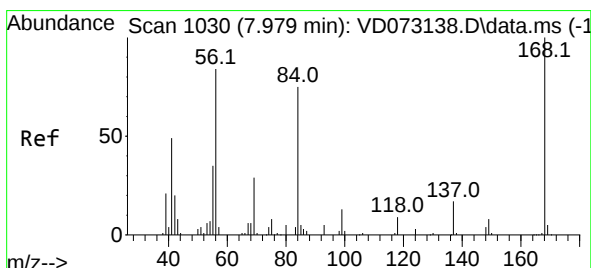
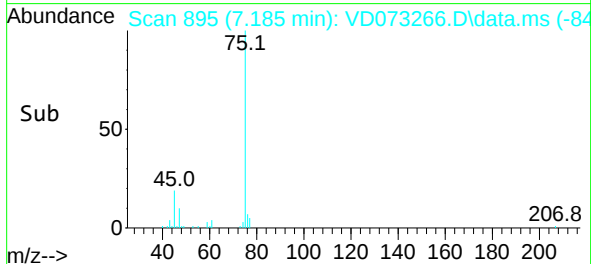
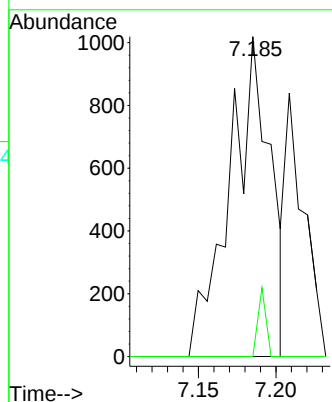
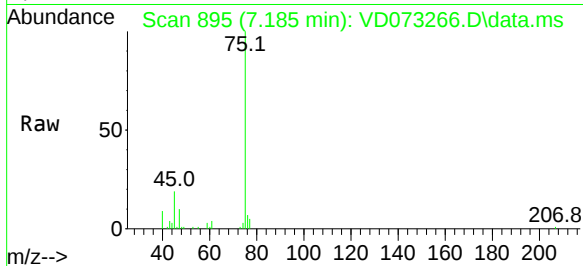




#25
2-Butanone
Concen: 2.071 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

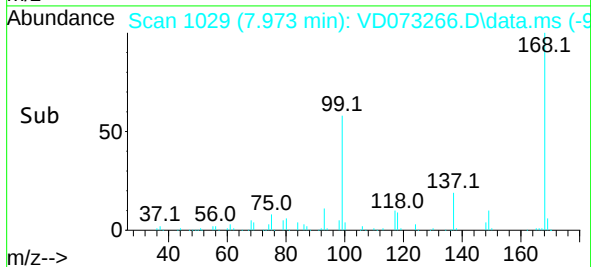
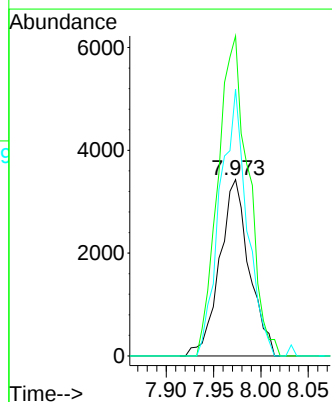
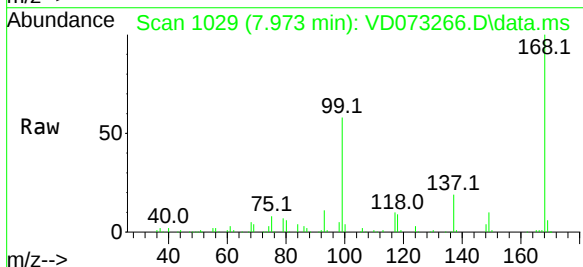
Instrument :
MSVOA_D
ClientSampleId :
P024-SS009-0006-01

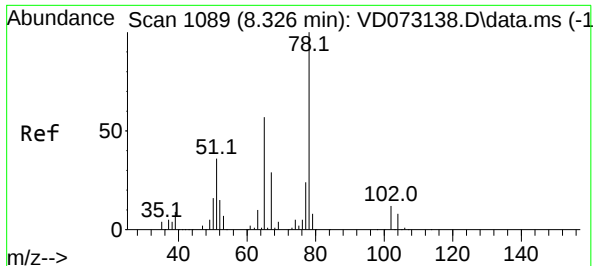
Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

Tgt Ion: 56 Resp: 7451
Ion Ratio Lower Upper
56 100
69 181.5 25.4 38.2#
84 151.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 64.298 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

Instrument :

MSVOA_D

ClientSampleId :

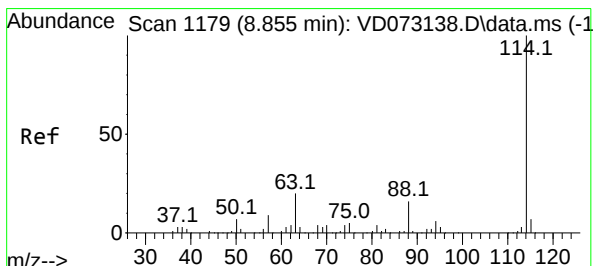
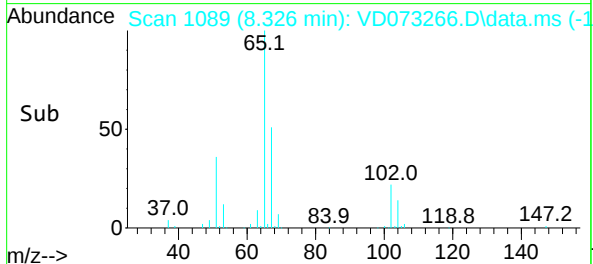
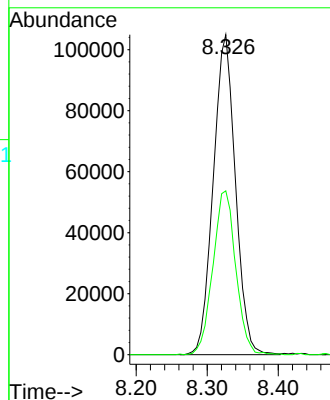
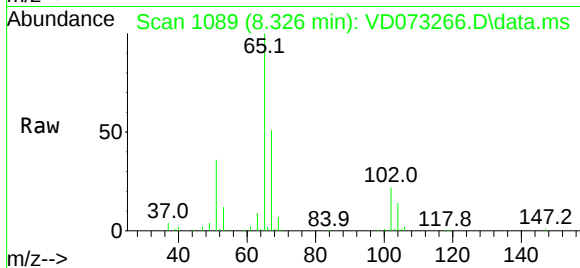
P024-SS009-0006-01

Tgt Ion: 65 Resp: 227028

Ion Ratio Lower Upper

65 100

67 52.9 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: VD073266.D

Acq: 22 May 2022 10:26

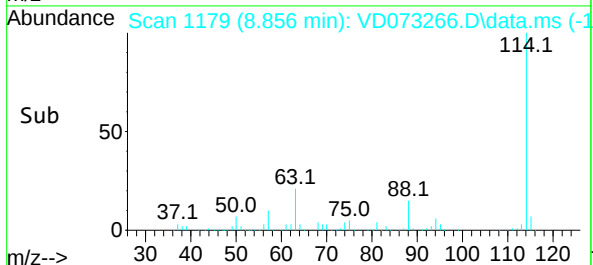
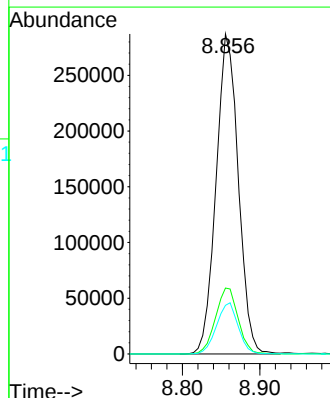
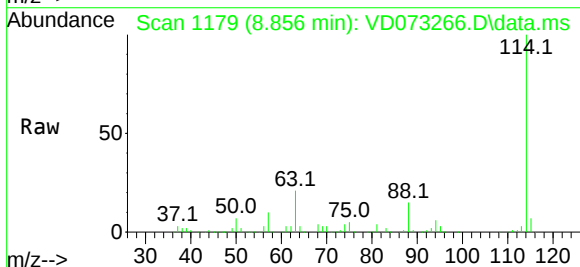
Tgt Ion: 114 Resp: 572805

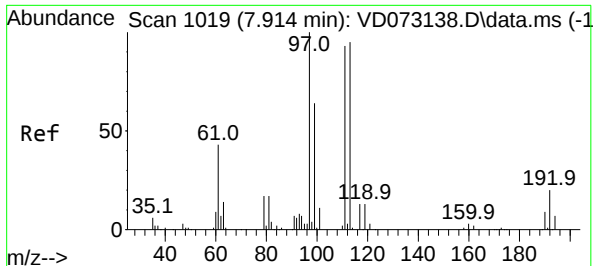
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.507 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

Instrument :

MSVOA_D

ClientSampleId :

P024-SS009-0006-01

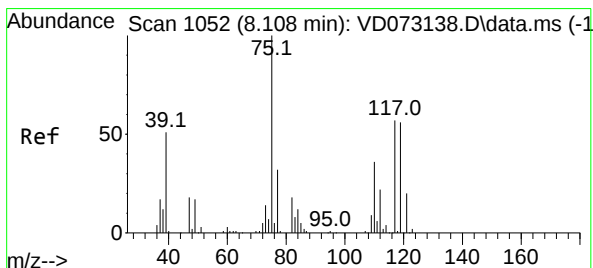
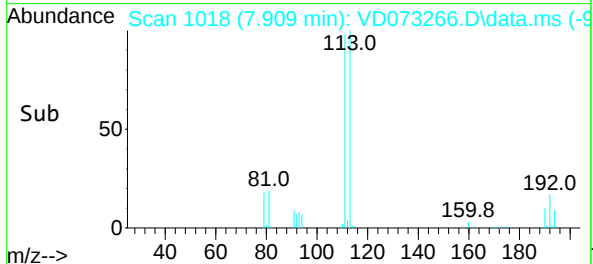
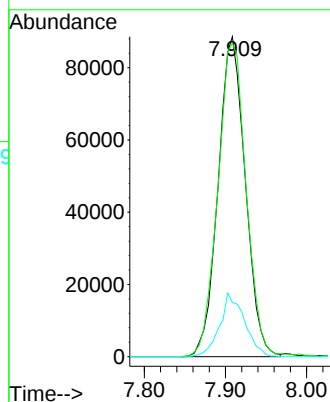
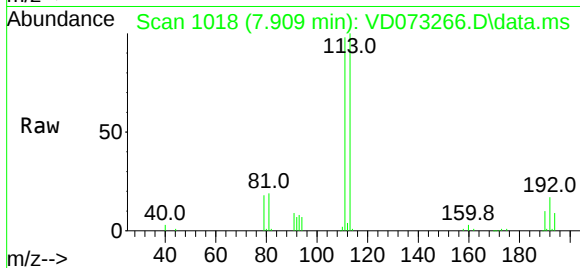
Tgt Ion:113 Resp: 206024

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

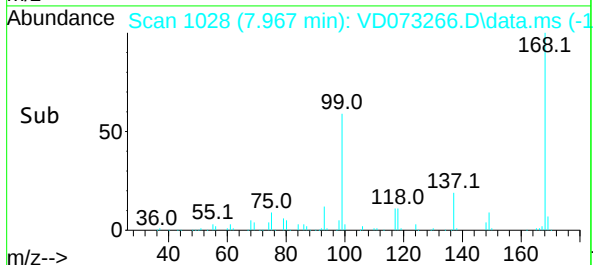
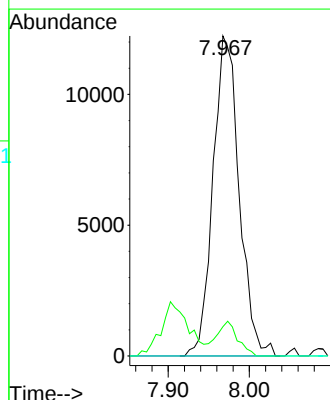
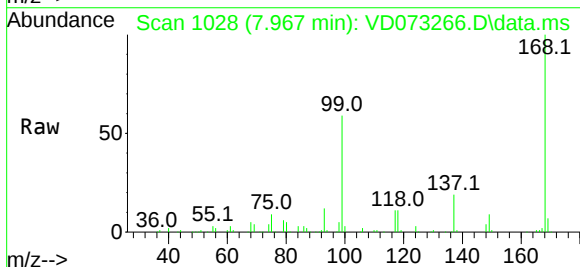
Tgt Ion: 75 Resp: 27396

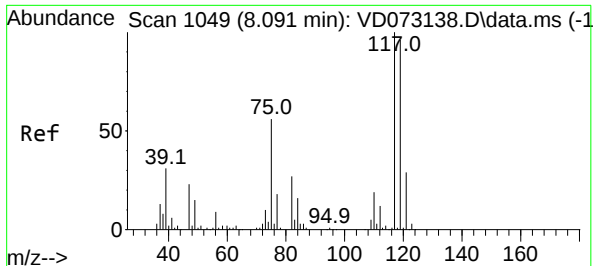
Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.1#

77 0.0 24.2 36.2#

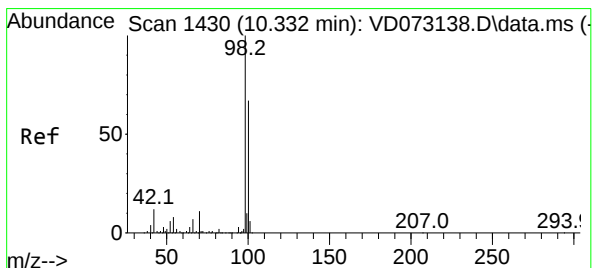
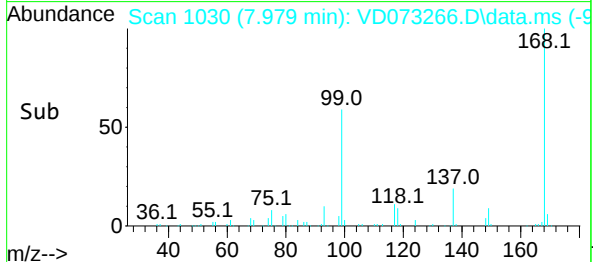
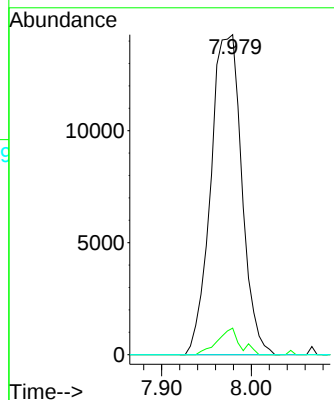
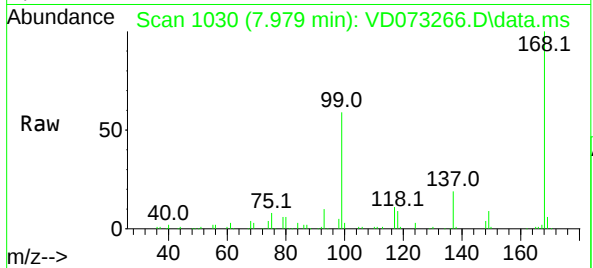




#38
Carbon Tetrachloride
Concen: 5.949 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

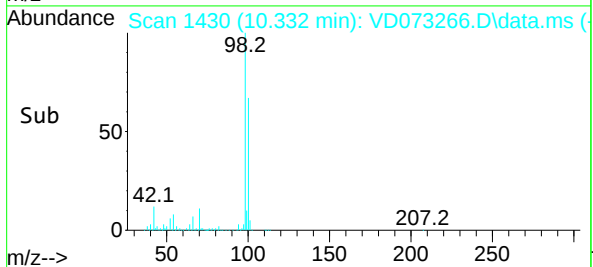
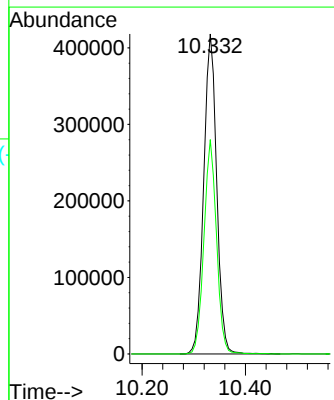
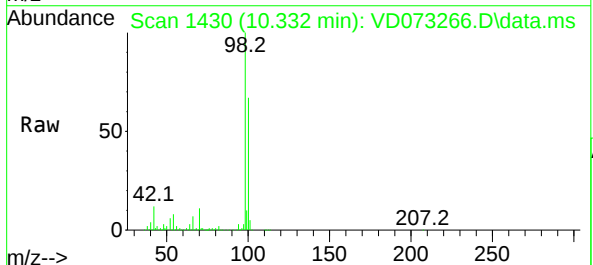
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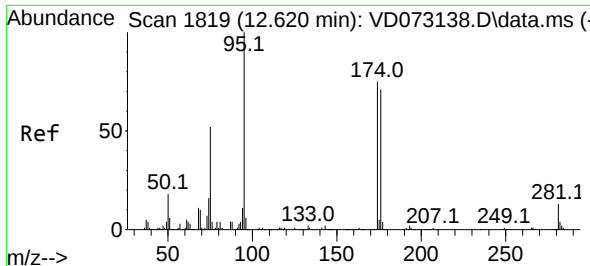
Tgt Ion:117 Resp: 34278
Ion Ratio Lower Upper
117 100
119 8.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.253 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

Tgt Ion: 98 Resp: 728051
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

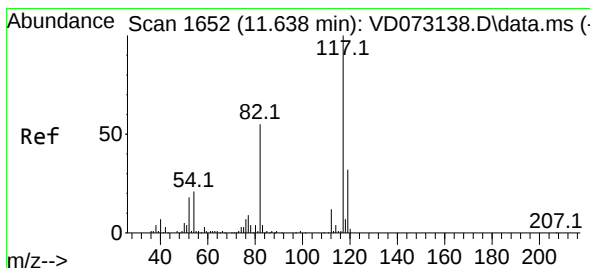
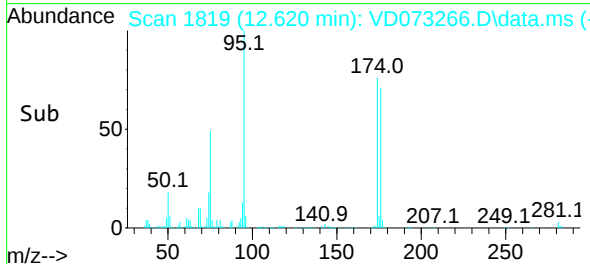
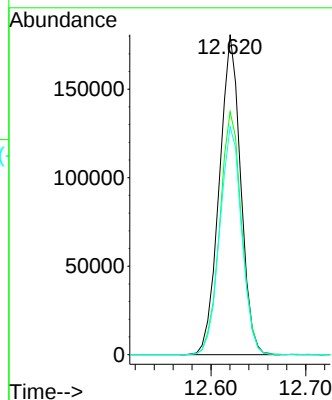
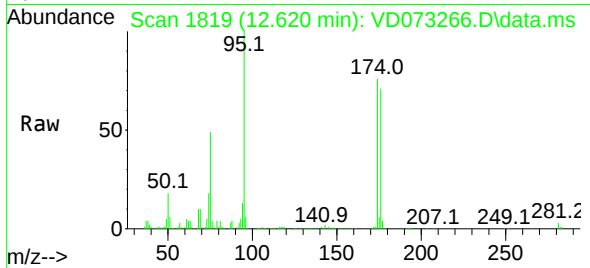




#62
4-Bromofluorobenzene
Concen: 57.895 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

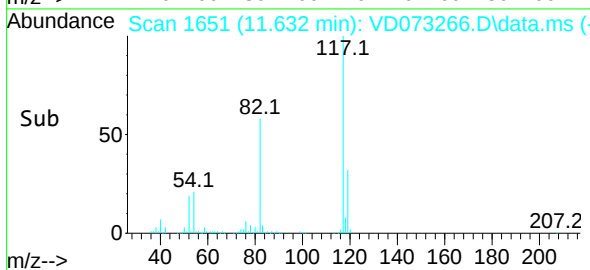
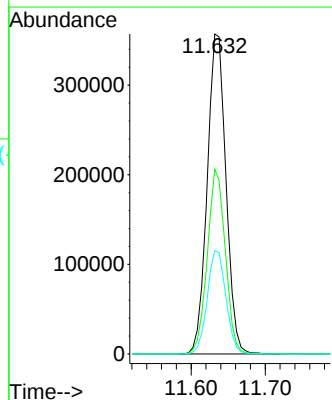
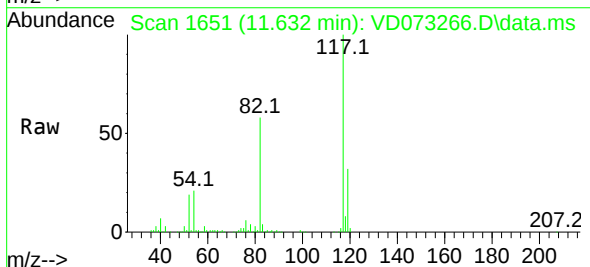
Instrument :
MSVOA_D
ClientSampleId :
P024-SS009-0006-01

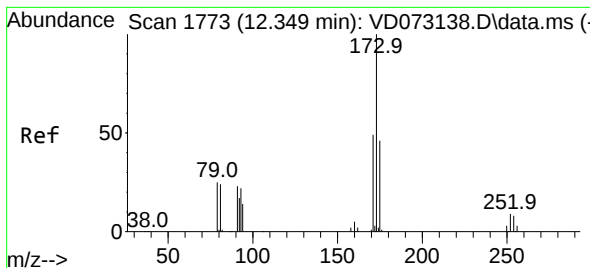
Tgt Ion: 95 Resp: 283091
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

Tgt Ion: 117 Resp: 626954
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.3 26.6 40.0





#71

Bromoform

Concen: 1.049 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

Instrument :

MSVOA_D

ClientSampleId :

P024-SS009-0006-01

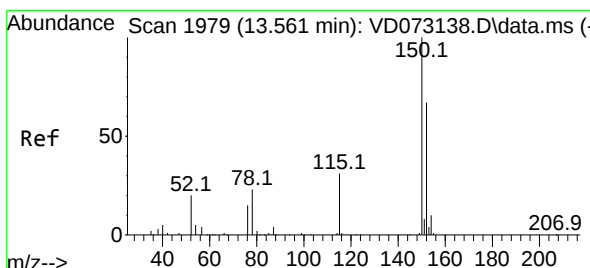
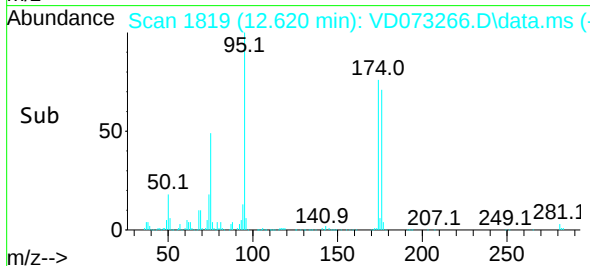
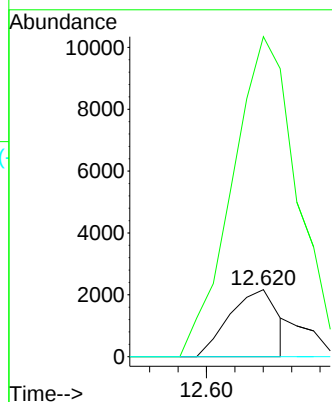
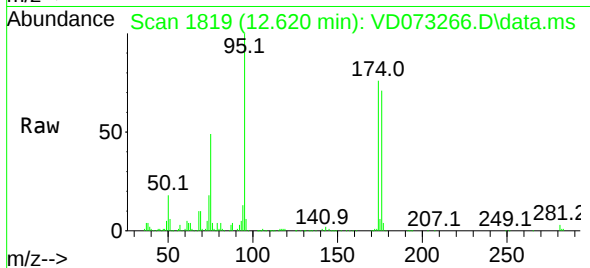
Tgt Ion:173 Resp: 2576

Ion Ratio Lower Upper

173 100

175 505.6 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# 1979

Delta R.T. 0.000 min

Lab File: VD073266.D

Acq: 22 May 2022 10:26

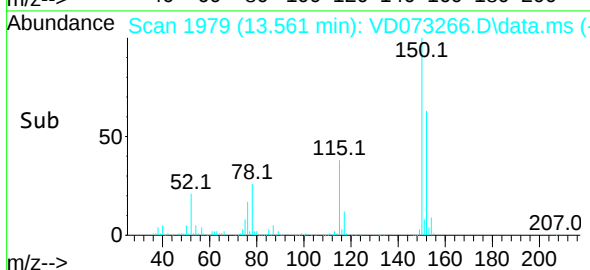
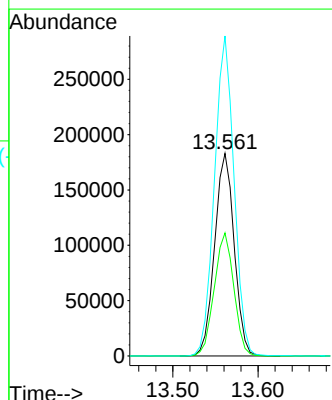
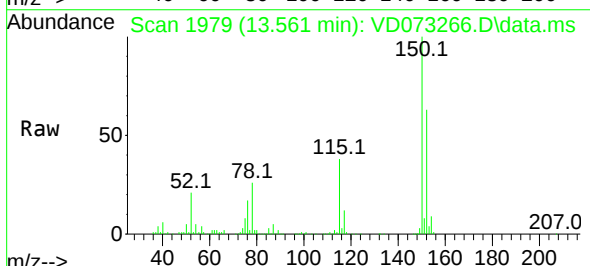
Tgt Ion:152 Resp: 292524

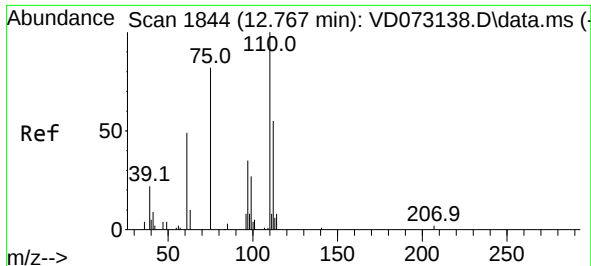
Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.8

150 158.0 0.0 348.6

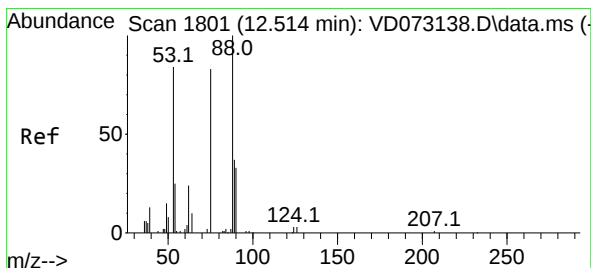
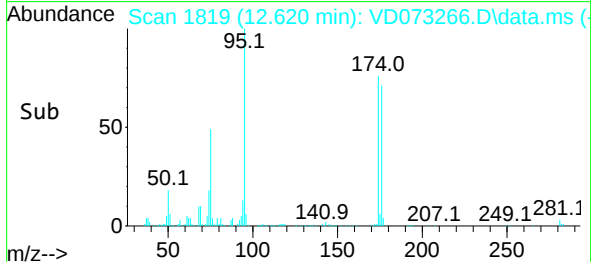
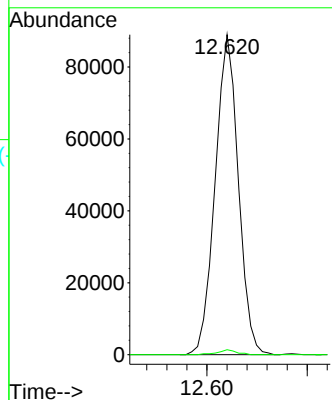
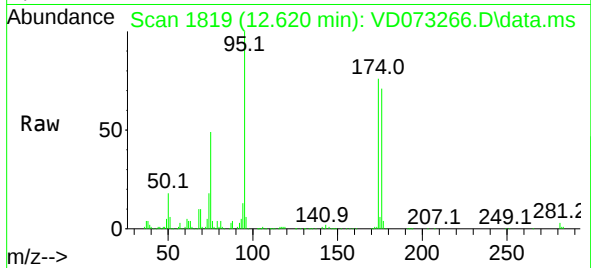




#76
1,2,3-Trichloropropane
Concen: 49.661 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

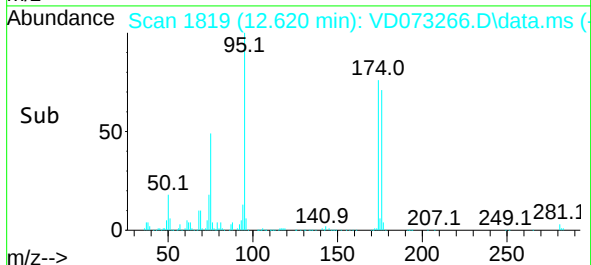
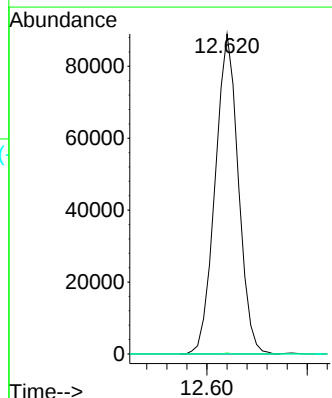
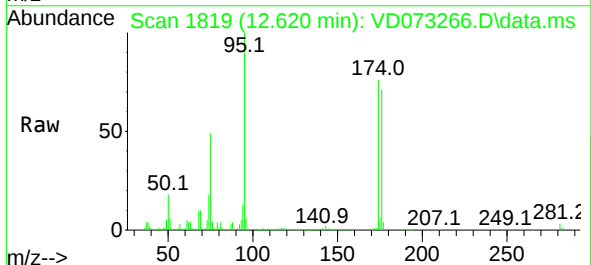
Instrument :
MSVOA_D
ClientSampleId :
P024-SS009-0006-01

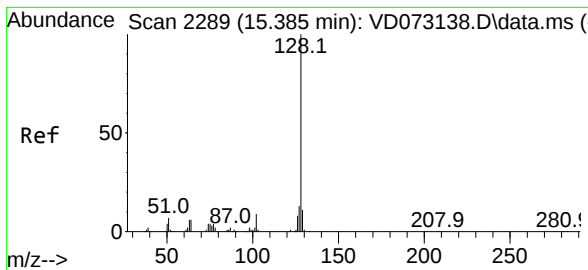
Tgt Ion: 75 Resp: 142536
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.221 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

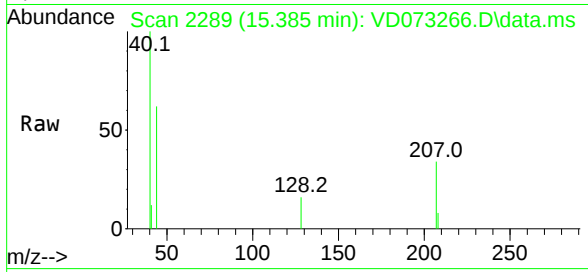
Tgt Ion: 75 Resp: 142536
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.567 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073266.D
Acq: 22 May 2022 10:26

Instrument :
MSVOA_D
ClientSampleId :
P024-SS009-0006-01



Tgt Ion:	128	Resp:	265
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

