

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073353.D
 Acq On : 25 May 2022 06:11
 Operator : VA/SY
 Sample : N2886-09
 Misc : 5.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS001-0612-01

Quant Time: May 25 06:45:17 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)

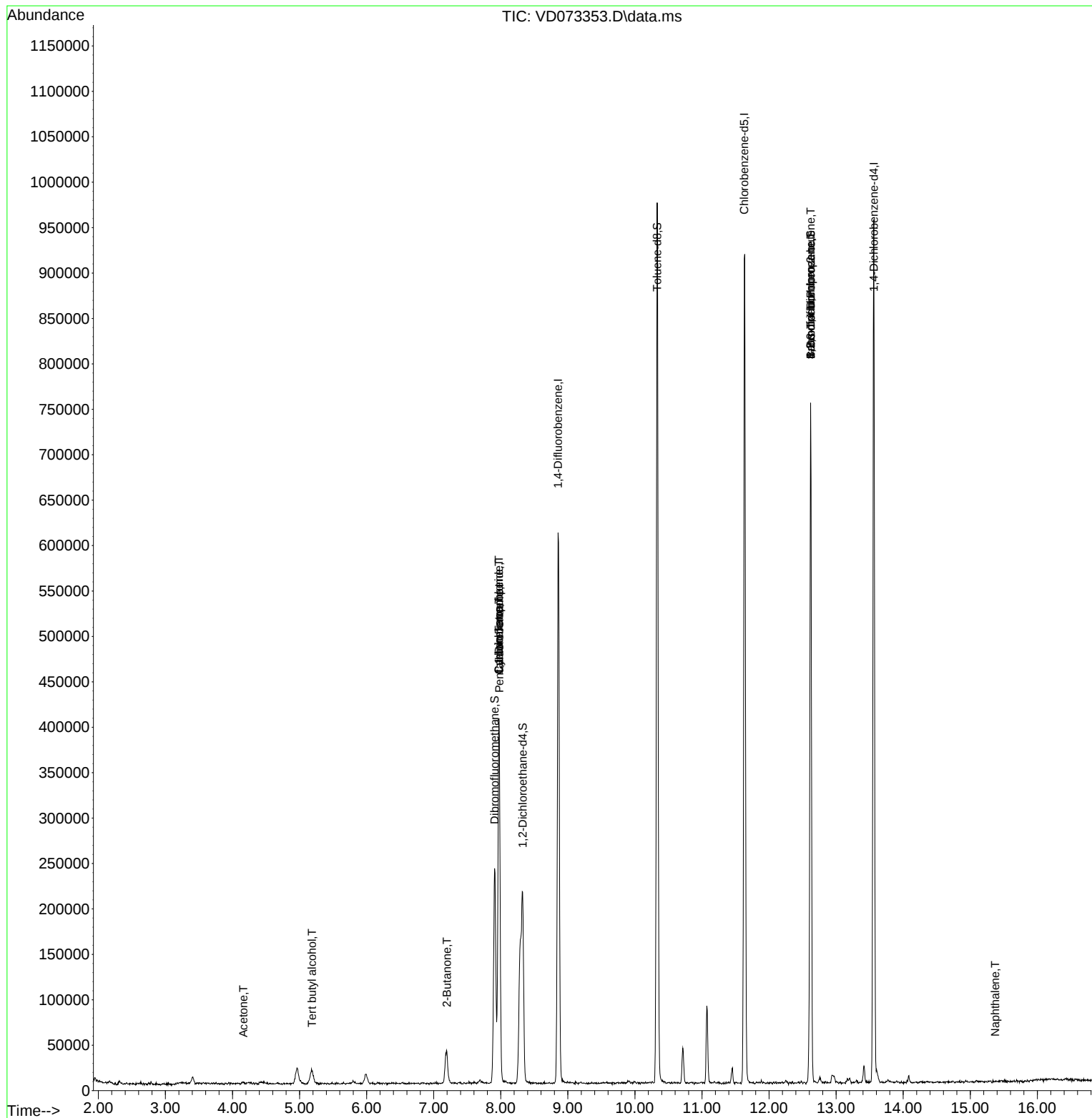
Internal Standards						
1) Pentafluorobenzene	7.979	168	285622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	523363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	539800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157214	49.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.620%		
35) Dibromofluoromethane	7.908	113	170670	49.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.840%		
50) Toluene-d8	10.332	98	637992	50.115	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.240%		
62) 4-Bromofluorobenzene	12.620	95	235791	52.778	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.560%		
Target Compounds						
5) Bromomethane	2.785	94	761	Below Cal		84
11) Tert butyl alcohol	5.185	59	14115	28.822 ug/l #		74
16) Acetone	4.161	43	2911	5.324 ug/l #		81
20) Methylene Chloride	4.961	84	12958	Below Cal #		74
25) 2-Butanone	7.196	43	1892	2.365 ug/l #		52
31) Cyclohexane	7.973	56	6782	1.229 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	24097	4.639 ug/l #		53
38) Carbon Tetrachloride	7.973	117	30731	5.837 ug/l #		17
71) Bromoform	12.620	173	2180	1.031 ug/l #		1
76) 1,2,3-Trichloropropane	12.620	75	121344	49.857 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	121344	119.692 ug/l #		7
95) Naphthalene	15.373	128	141	3.558 ug/l #		70

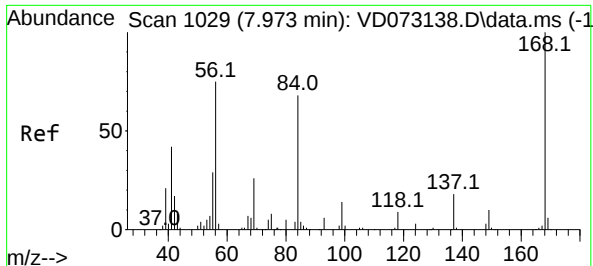
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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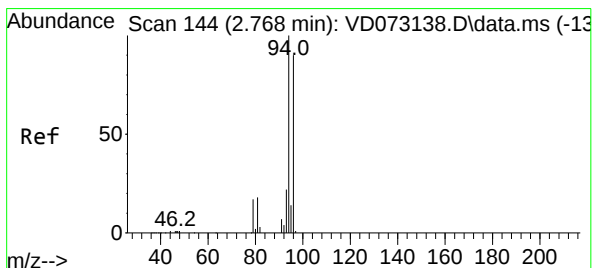
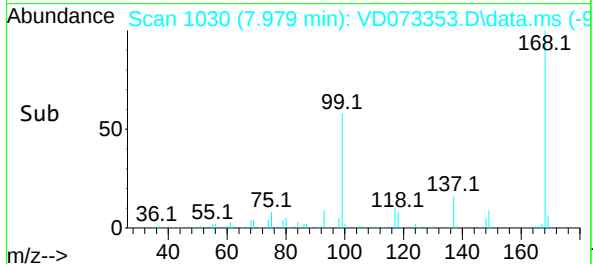
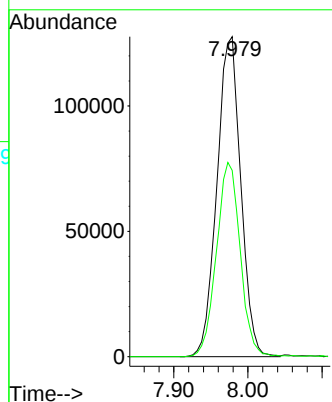
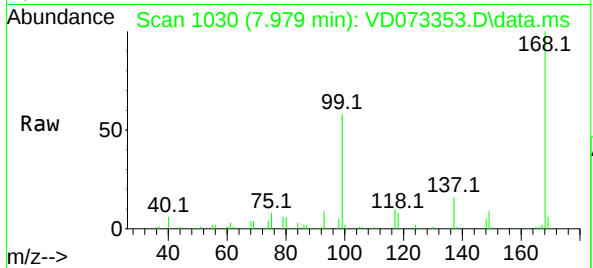




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

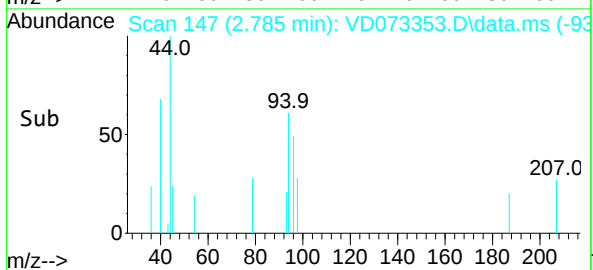
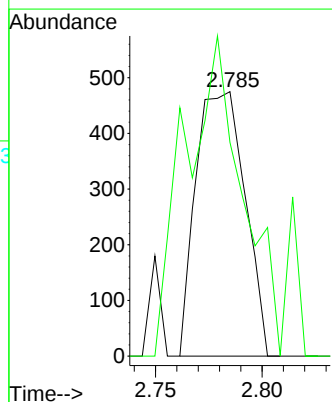
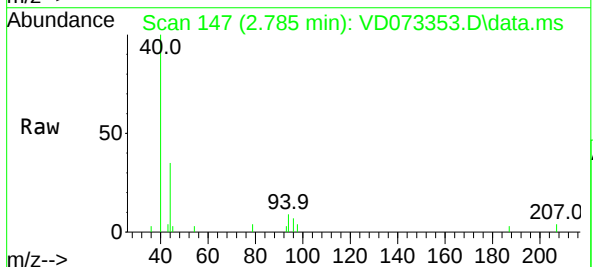
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0612-01

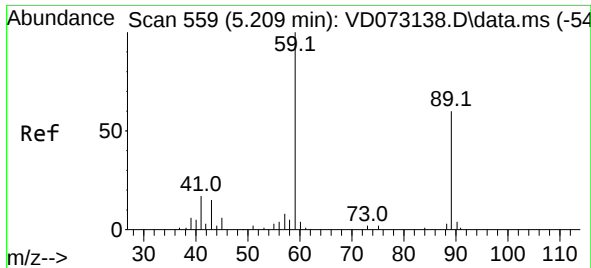
Tgt Ion:168 Resp: 285622
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Tgt Ion: 94 Resp: 761
Ion Ratio Lower Upper
94 100
96 80.8 77.6 116.4

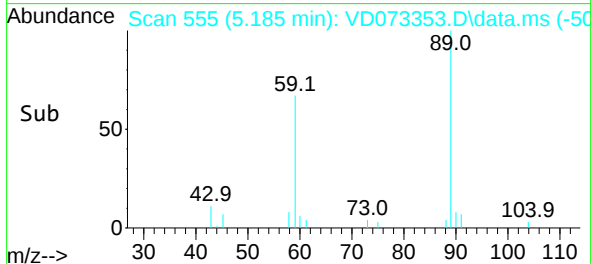
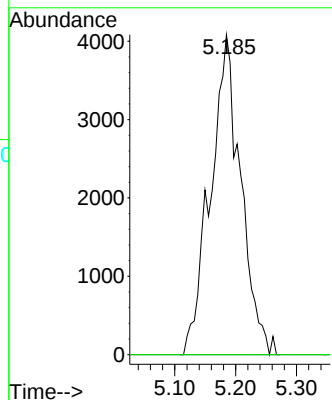
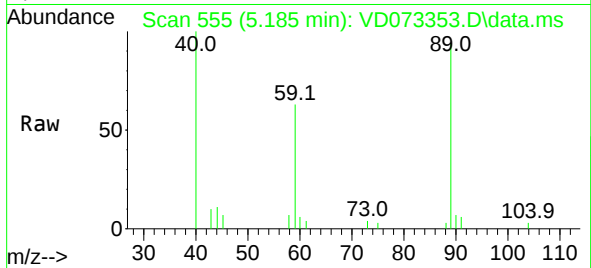




#11
Tert butyl alcohol
Concen: 28.822 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

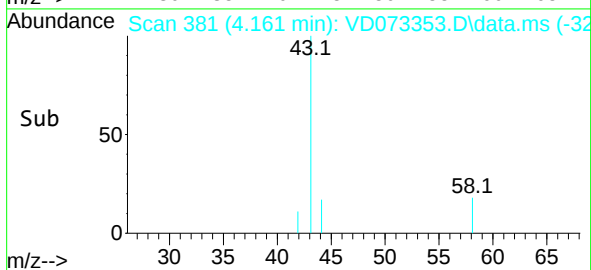
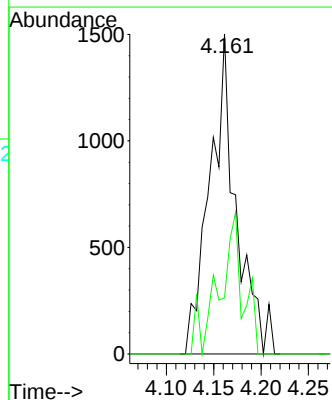
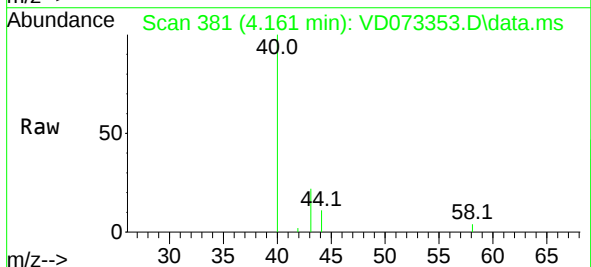
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0612-01

Tgt Ion: 59 Resp: 14115
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.324 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Tgt Ion: 43 Resp: 2911
Ion Ratio Lower Upper
43 100
58 17.6 22.1 33.1#

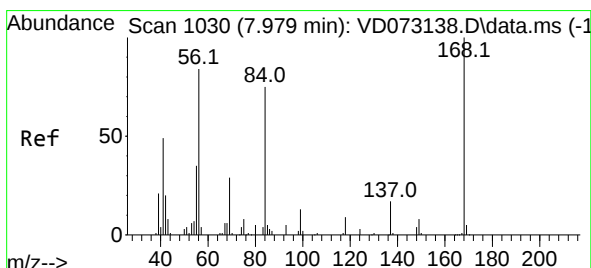
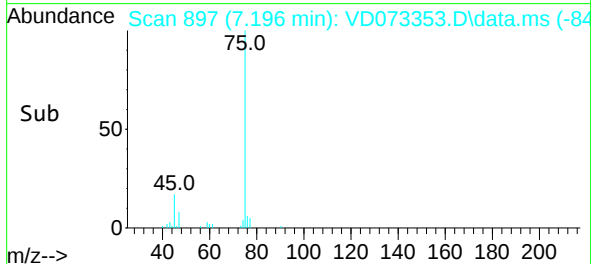
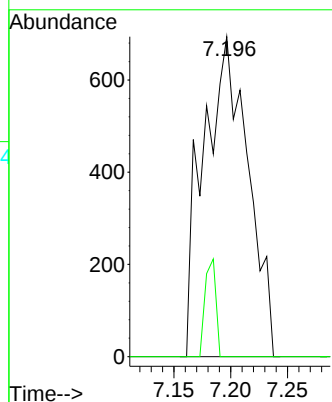
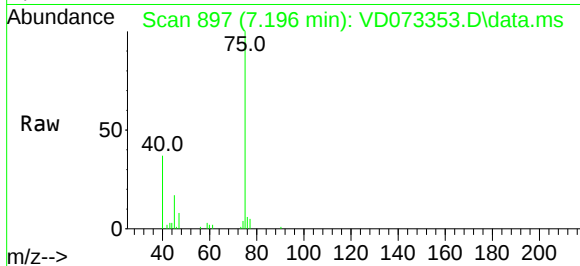




#25
2-Butanone
Concen: 2.365 ug/l
RT: 7.196 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

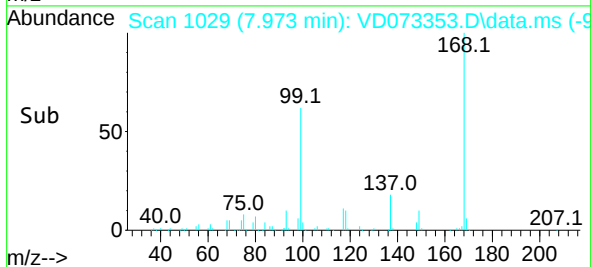
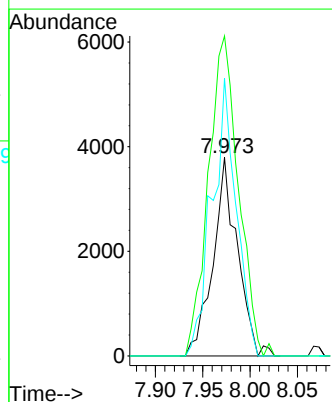
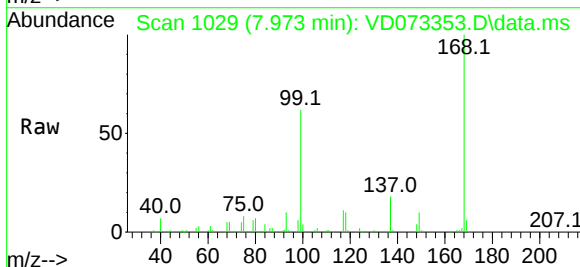
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0612-01

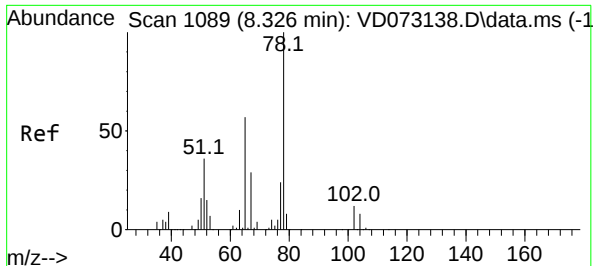
Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Tgt Ion: 56 Resp: 6782
Ion Ratio Lower Upper
56 100
69 161.2 25.4 38.2#
84 139.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.806 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073353.D

Acq: 25 May 2022 06:11

Instrument :

MSVOA_D

ClientSampleId :

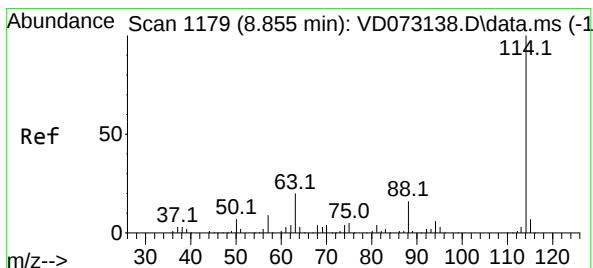
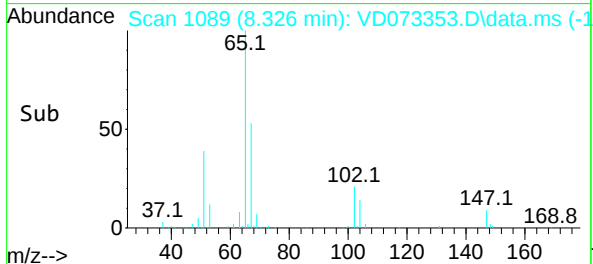
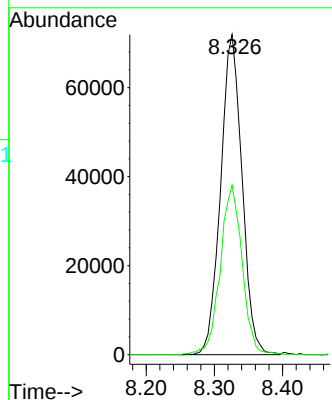
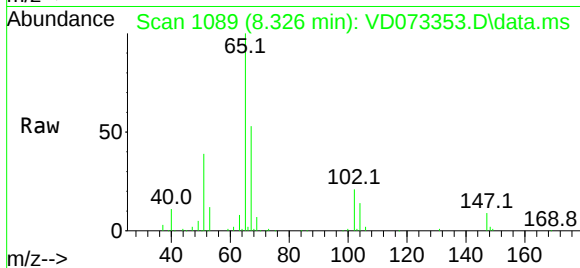
P021-SS001-0612-01

Tgt Ion: 65 Resp: 157214

Ion Ratio Lower Upper

65 100

67 54.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073353.D

Acq: 25 May 2022 06:11

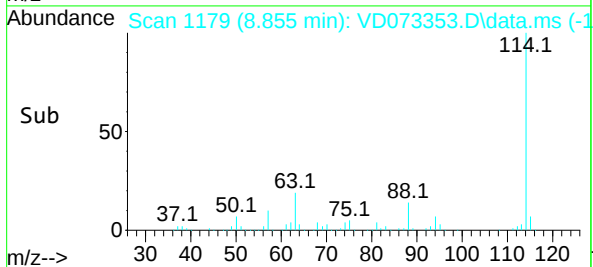
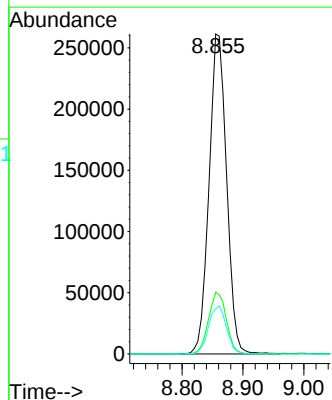
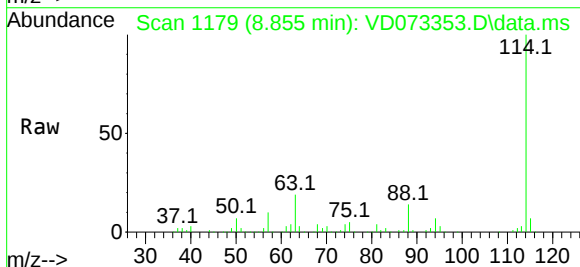
Tgt Ion: 114 Resp: 523363

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 14.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.419 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073353.D

Acq: 25 May 2022 06:11

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01

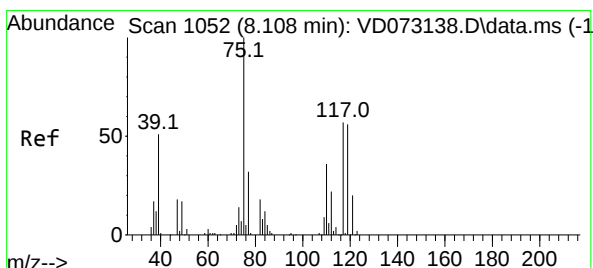
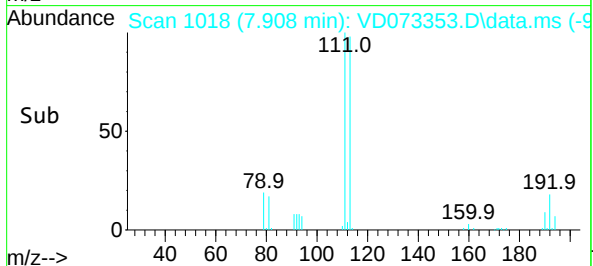
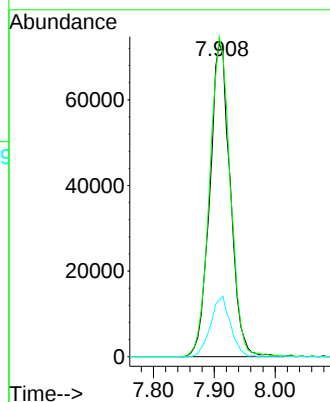
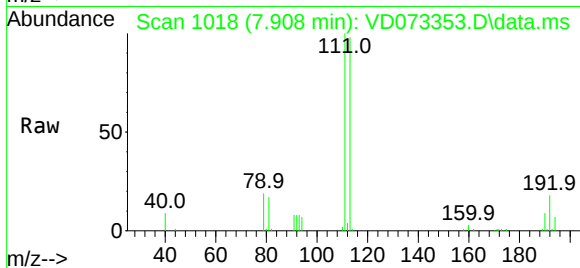
Tgt Ion:113 Resp: 170670

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073353.D

Acq: 25 May 2022 06:11

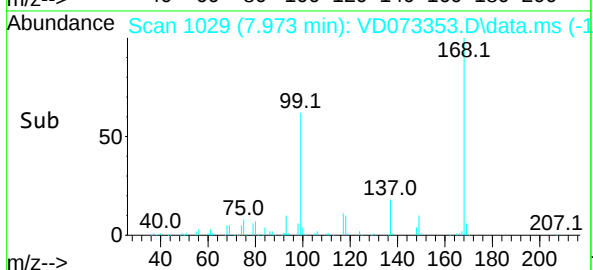
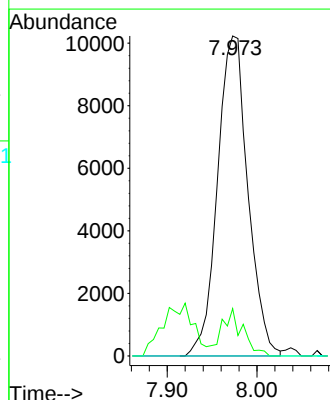
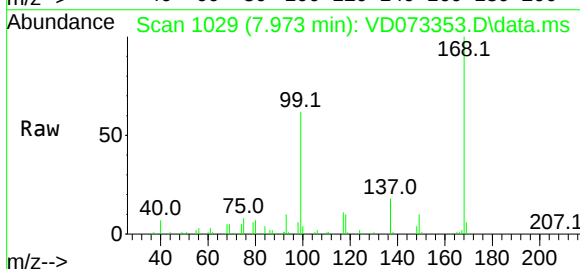
Tgt Ion: 75 Resp: 24097

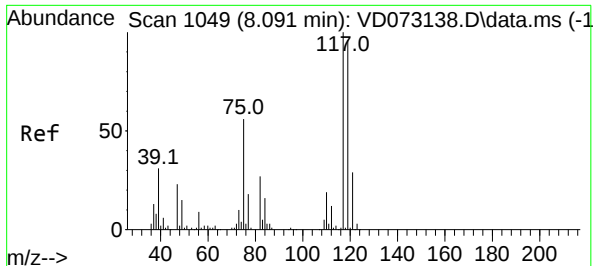
Ion Ratio Lower Upper

75 100

110 10.4 16.4 49.1#

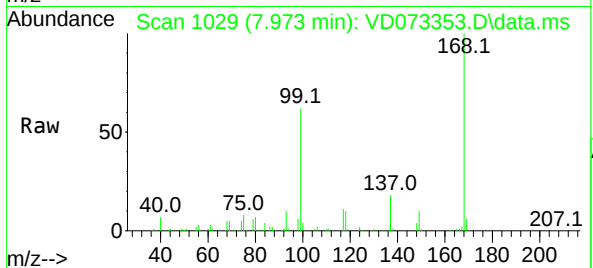
77 0.0 24.2 36.2#



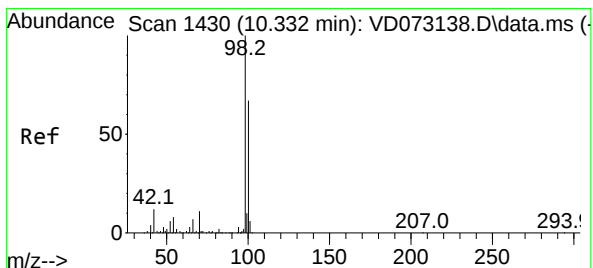
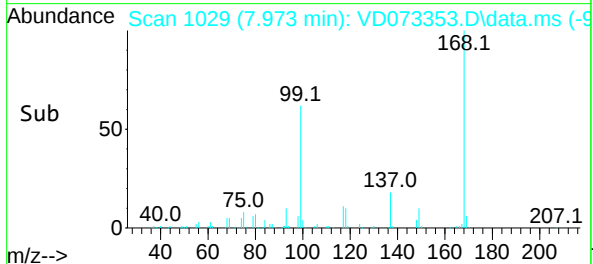
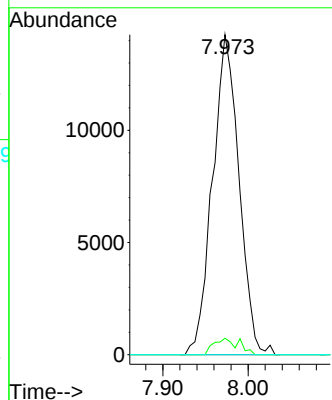


#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0612-01

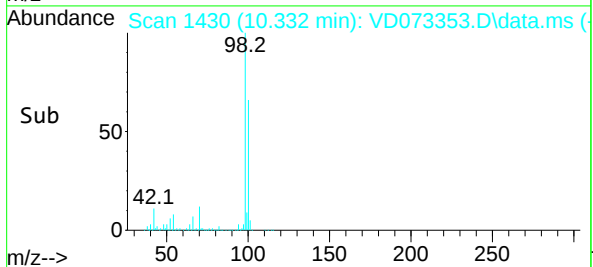
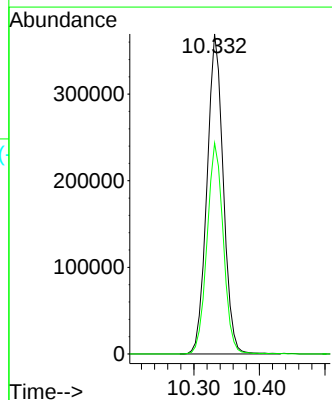
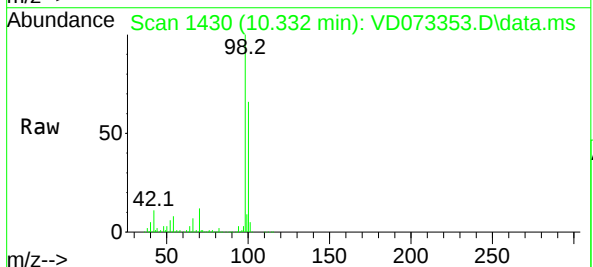


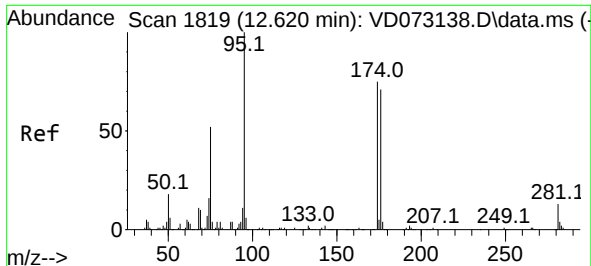
Tgt Ion:117 Resp: 30731
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.115 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Tgt Ion: 98 Resp: 637992
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

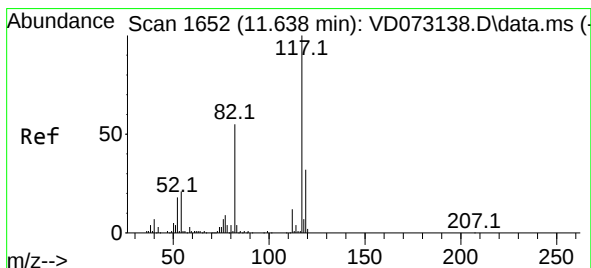
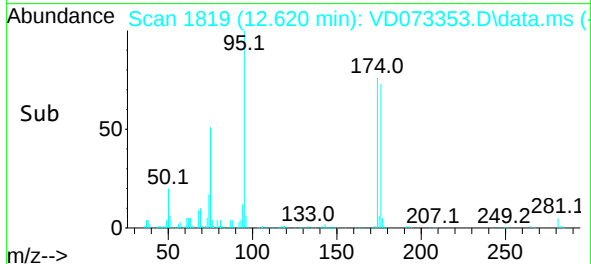
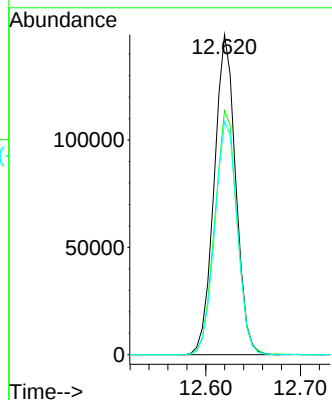
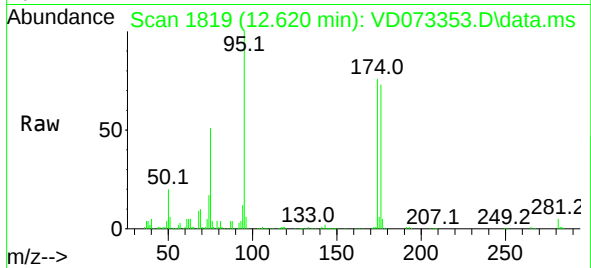




#62
4-Bromofluorobenzene
Concen: 52.778 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

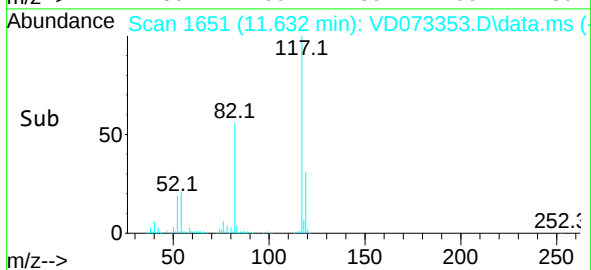
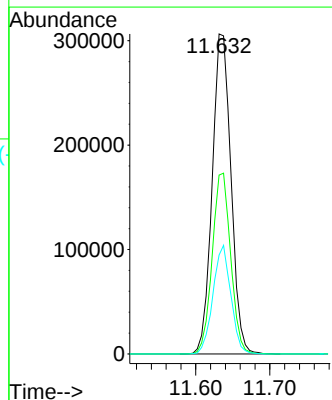
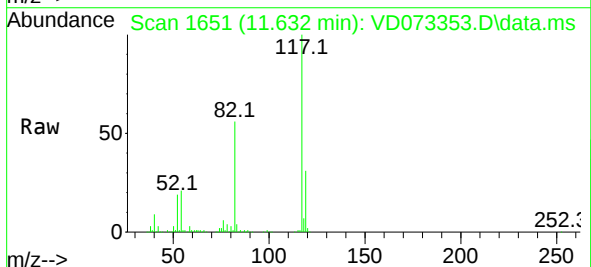
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0612-01

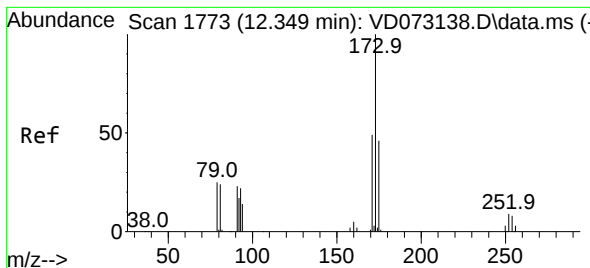
Tgt Ion: 95 Resp: 235791
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.8
176 76.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Tgt Ion: 117 Resp: 539800
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 30.9 26.6 40.0





#71

Bromoform

Concen: 1.031 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073353.D

Acq: 25 May 2022 06:11

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01

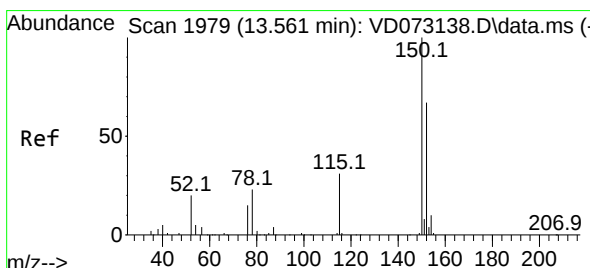
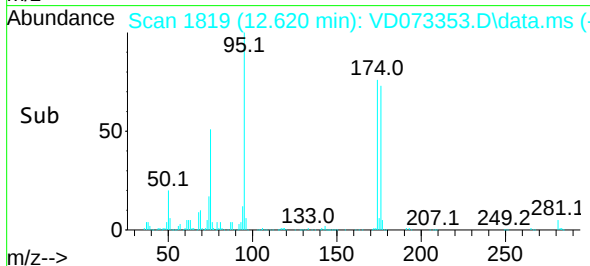
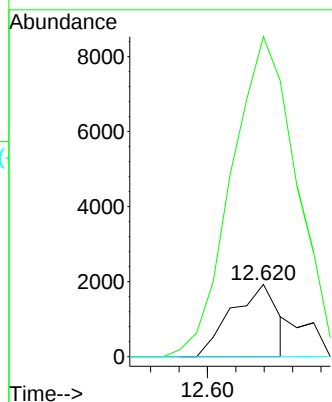
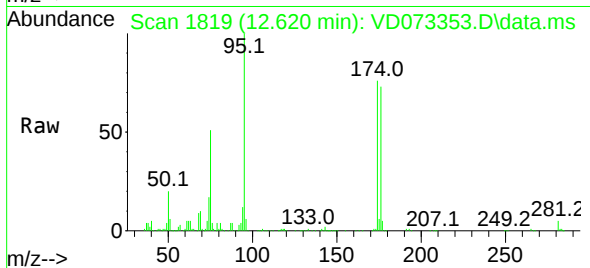
Tgt Ion:173 Resp: 2180

Ion Ratio Lower Upper

173 100

175 492.8 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: VD073353.D

Acq: 25 May 2022 06:11

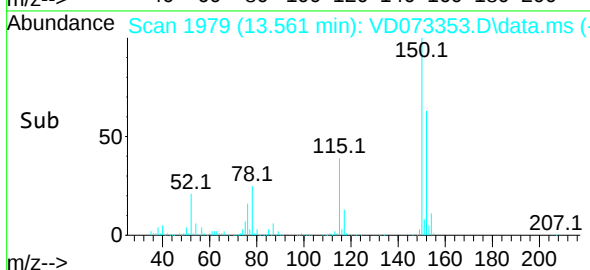
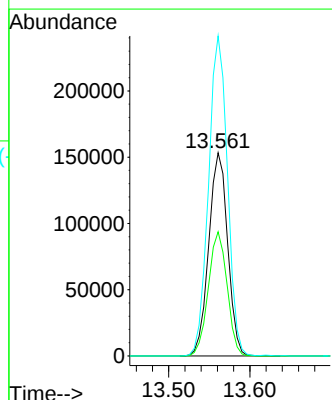
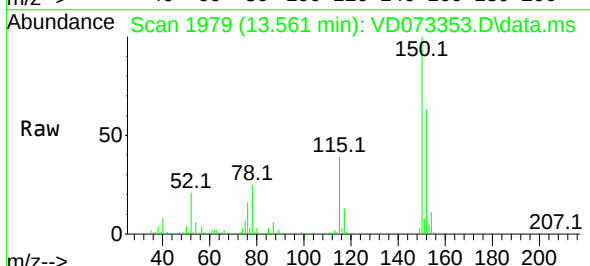
Tgt Ion:152 Resp: 248053

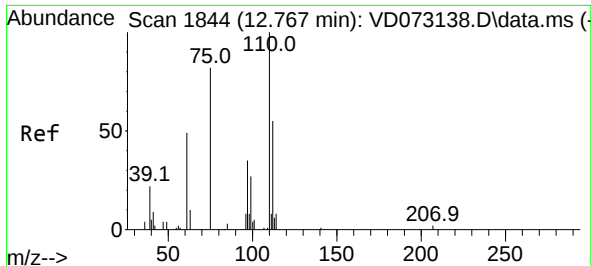
Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 157.5 0.0 348.6

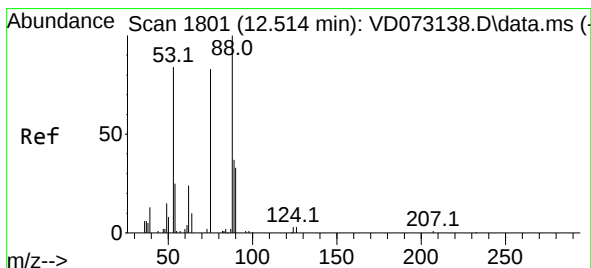
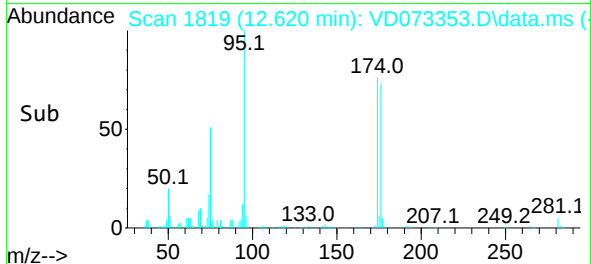
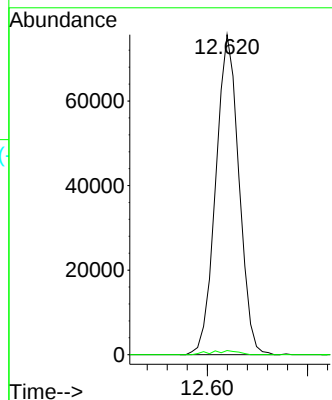
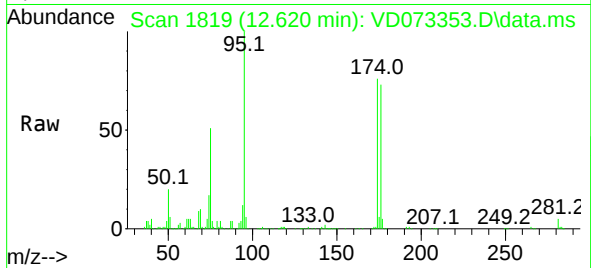




#76
1,2,3-Trichloropropane
Concen: 49.857 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

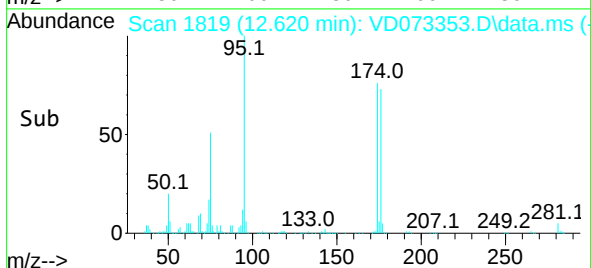
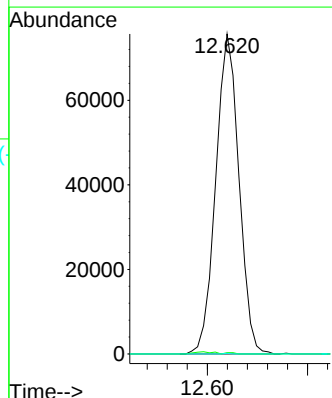
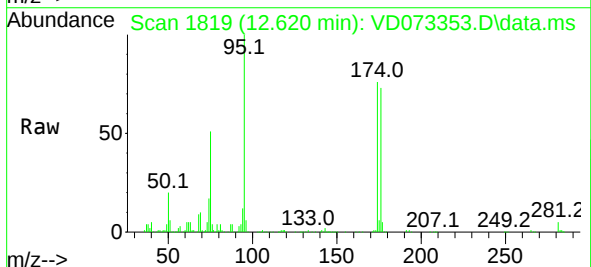
Instrument :
MSVOA_D
ClientSampleId :
P021-SS001-0612-01

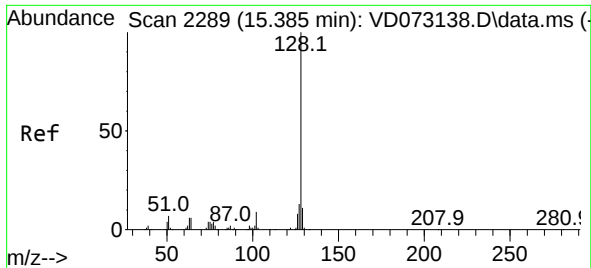
Tgt Ion: 75 Resp: 121344
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.692 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073353.D
Acq: 25 May 2022 06:11

Tgt Ion: 75 Resp: 121344
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 3.558 ug/l

RT: 15.373 min Scan# 21

Delta R.T. -0.012 min

Lab File: VD073353.D

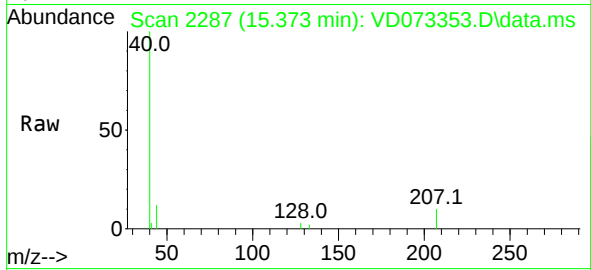
Acq: 25 May 2022 06:11

Instrument :

MSVOA_D

ClientSampleId :

P021-SS001-0612-01



Tgt Ion:	128	Resp:	141
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

