

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073304.D
 Acq On : 24 May 2022 02:26
 Operator : VA/SY
 Sample : N2949-04
 Misc : 6.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-0612-01

Quant Time: May 24 03:32:00 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)

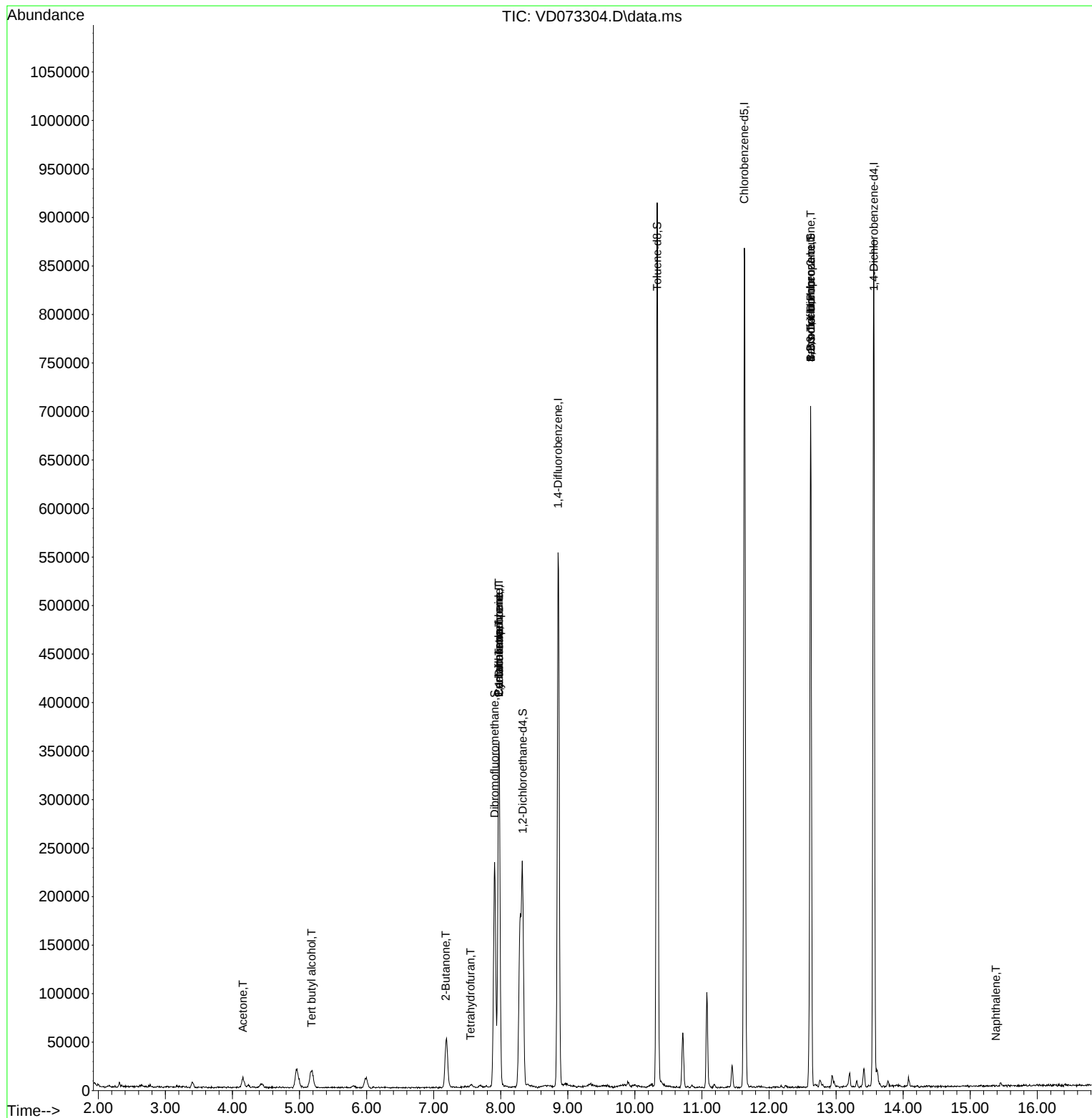
Internal Standards						
1) Pentafluorobenzene	7.973	168	260808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	478363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	509377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	162093	56.237	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.480%			
35) Dibromofluoromethane	7.909	113	167099	52.937	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.880%			
50) Toluene-d8	10.332	98	598324	51.421	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.840%			
62) 4-Bromofluorobenzene	12.620	95	227949	55.822	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.640%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	512	Below Cal	#	62
11) Tert butyl alcohol	5.179	59	16768	37.496	ug/l #	75
16) Acetone	4.156	43	17079	34.210	ug/l	98
25) 2-Butanone	7.179	43	1581	2.165	ug/l #	52
29) Tetrahydrofuran	7.550	42	1786	3.782	ug/l #	47
31) Cyclohexane	7.973	56	6788	1.348	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	22325	4.703	ug/l #	52
38) Carbon Tetrachloride	7.973	117	27960	5.810	ug/l #	18
71) Bromoform	12.620	173	2057	1.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	113971	50.140	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	113971	120.371	ug/l #	7
95) Naphthalene	15.385	128	297	3.578	ug/l #	70

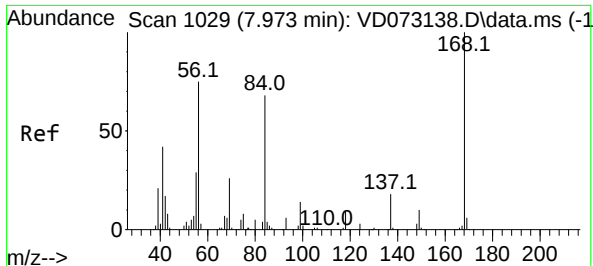
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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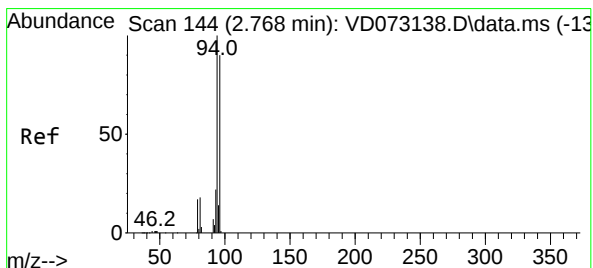
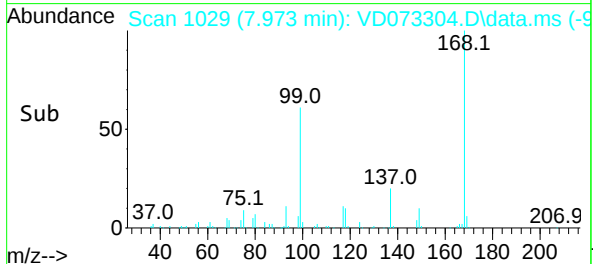
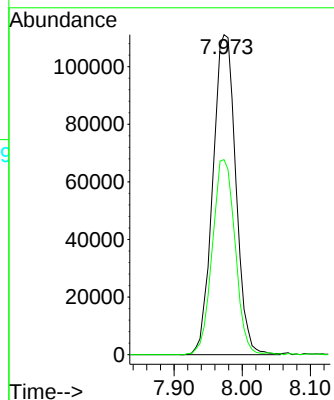
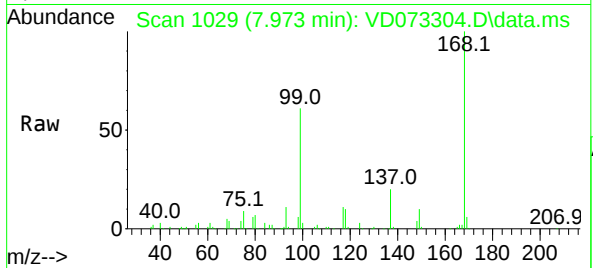




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

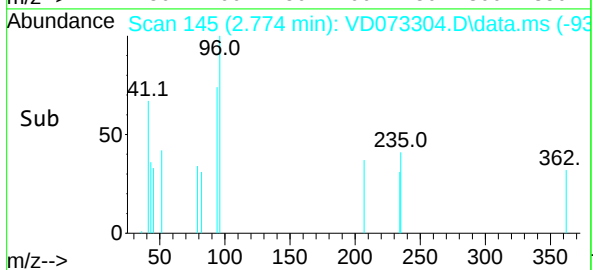
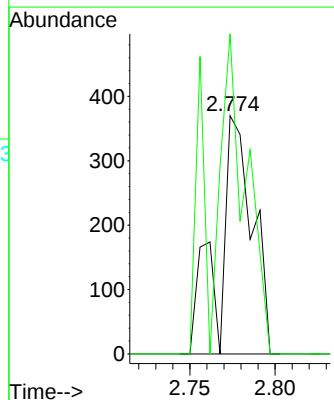
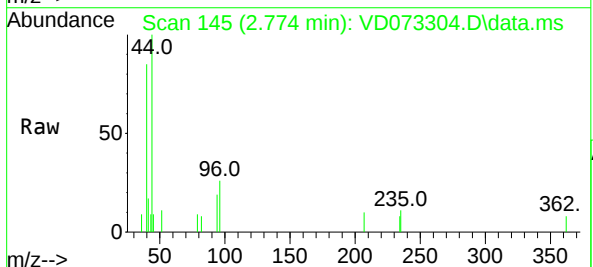
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-01

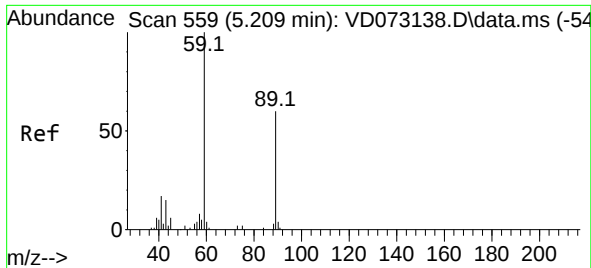
Tgt Ion:168 Resp: 260808
Ion Ratio Lower Upper
168 100
99 61.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 134.3 77.6 116.4#

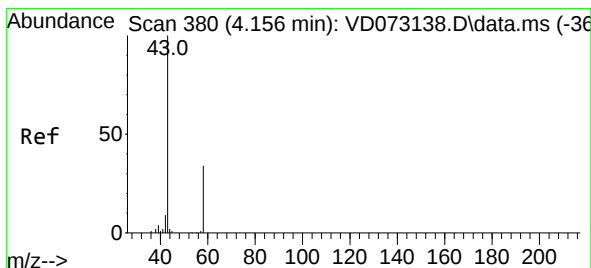
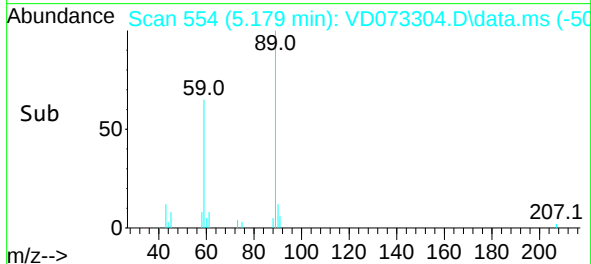
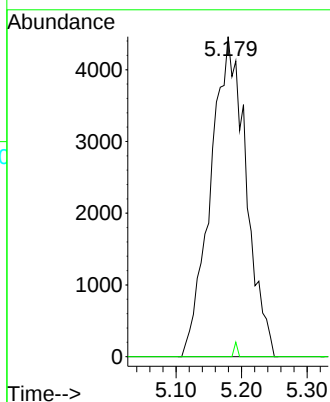
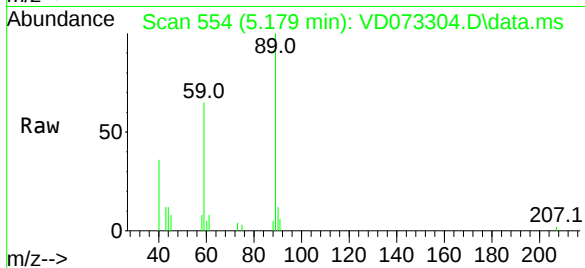




#11
Tert butyl alcohol
Concen: 37.496 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

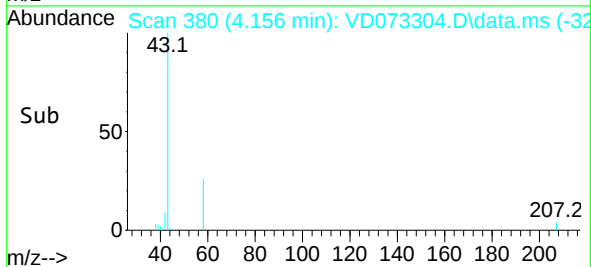
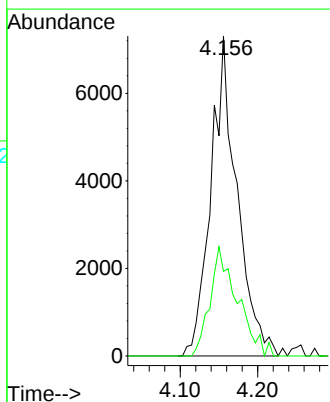
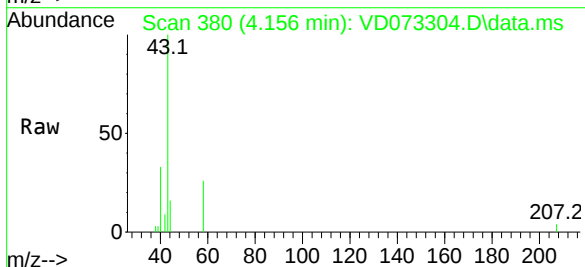
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-01

Tgt Ion: 59 Resp: 16768
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#16
Acetone
Concen: 34.210 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

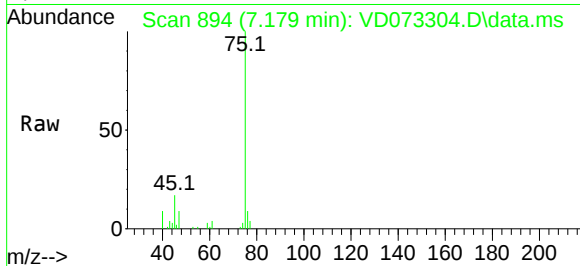
Tgt Ion: 43 Resp: 17079
Ion Ratio Lower Upper
43 100
58 26.5 22.1 33.1



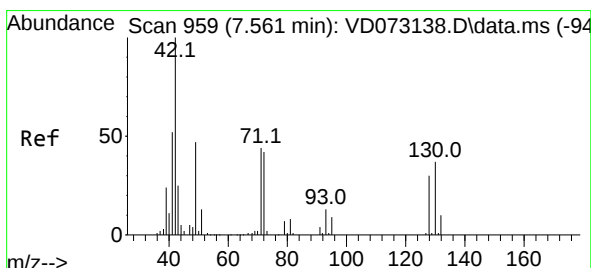
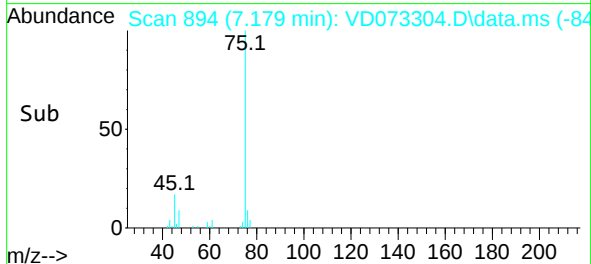
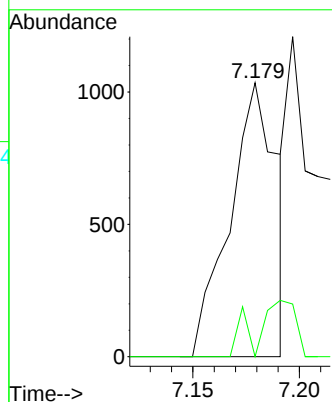


#25
2-Butanone
Concen: 2.165 ug/l
RT: 7.179 min Scan# 899
Delta R.T. -0.029 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-01

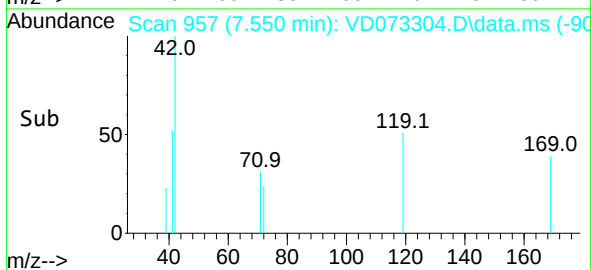
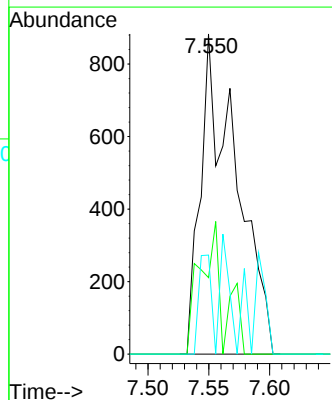
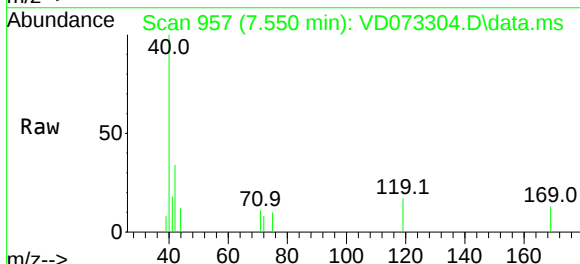


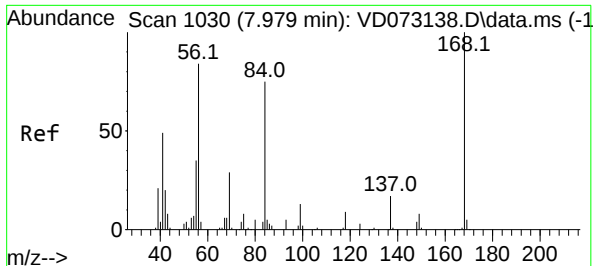
Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 3.782 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.011 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Tgt Ion: 42 Resp: 1786
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 10.8 28.6 43.0#

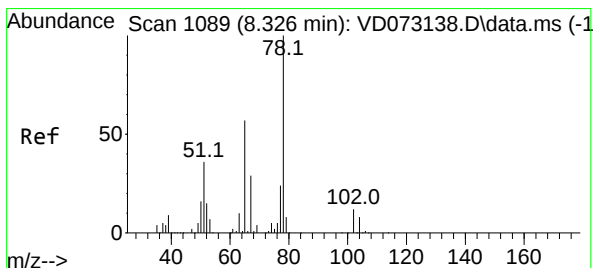
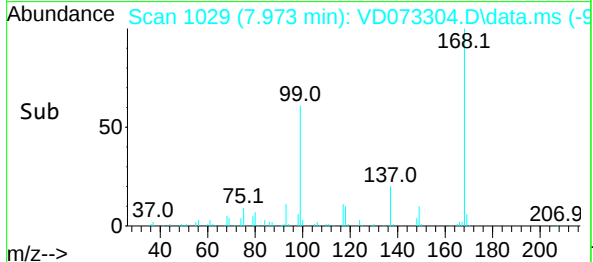
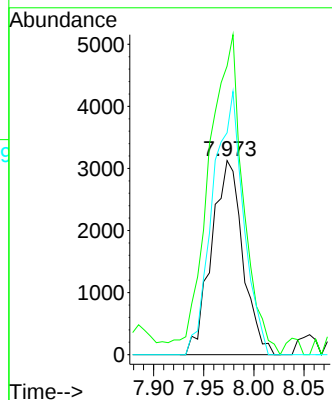
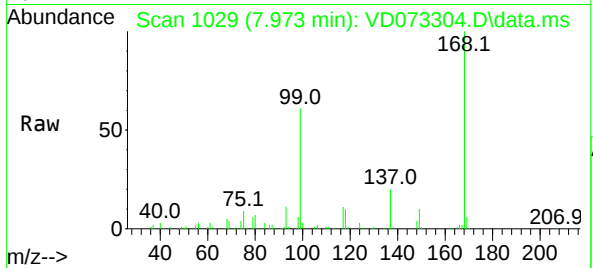




#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

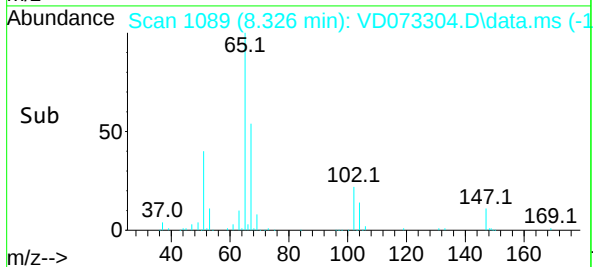
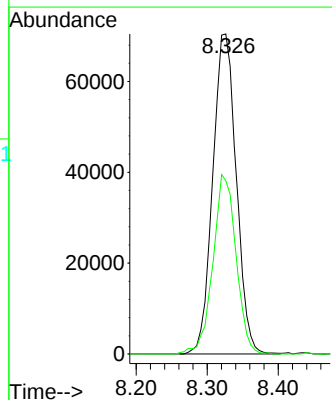
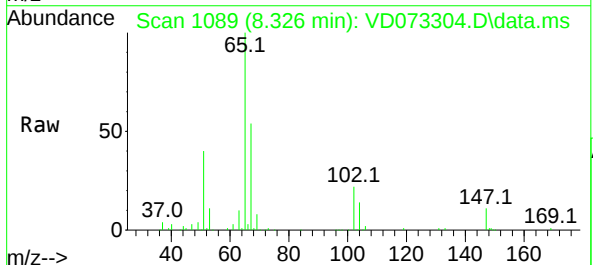
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-01

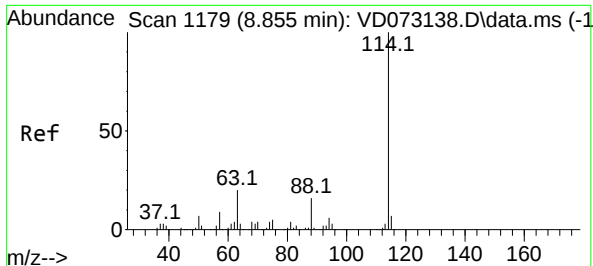
Tgt Ion: 56 Resp: 6788
Ion Ratio Lower Upper
56 100
69 148.8 25.4 38.2#
84 114.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 56.237 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Tgt Ion: 65 Resp: 162093
Ion Ratio Lower Upper
65 100
67 54.9 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: VD073304.D

Acq: 24 May 2022 02:26

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0612-01

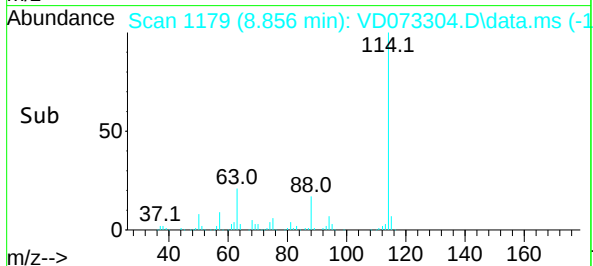
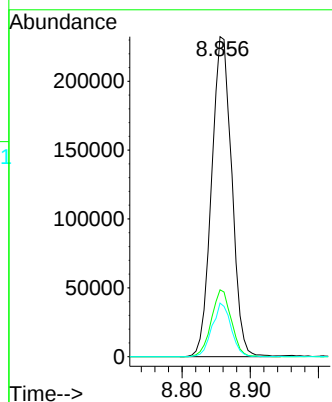
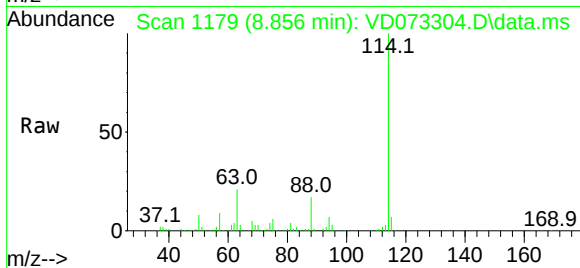
Tgt Ion:114 Resp: 478363

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.937 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073304.D

Acq: 24 May 2022 02:26

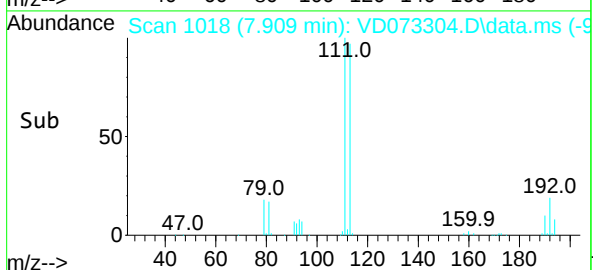
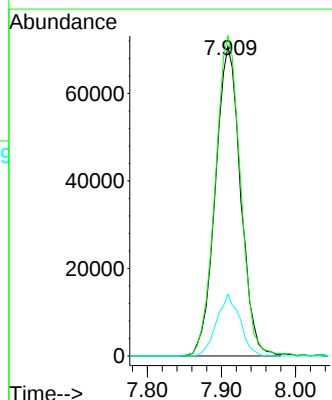
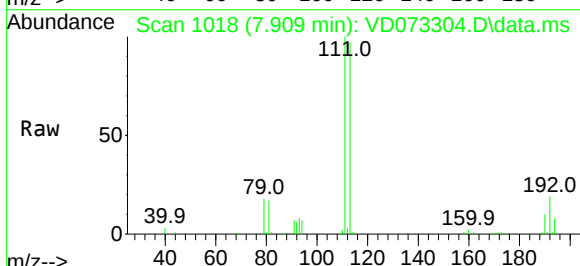
Tgt Ion:113 Resp: 167099

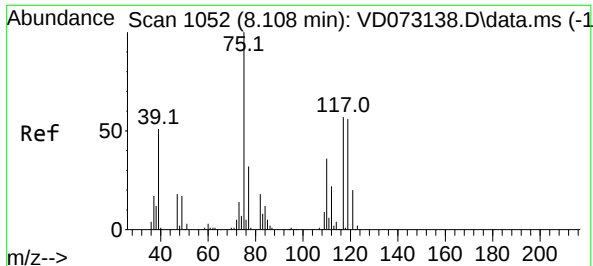
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073304.D

Acq: 24 May 2022 02:26

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0612-01

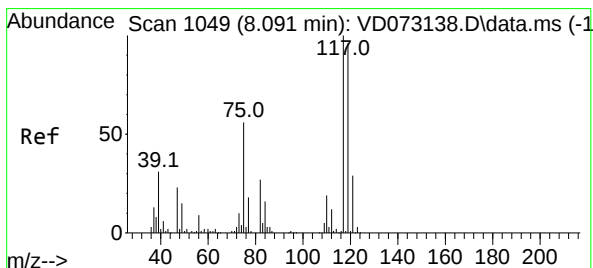
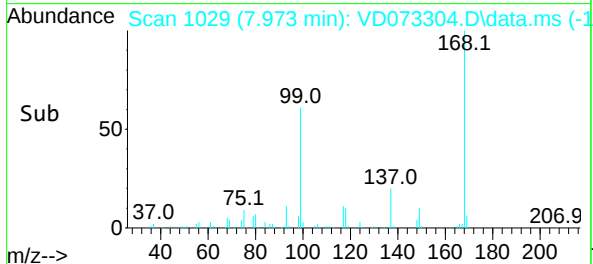
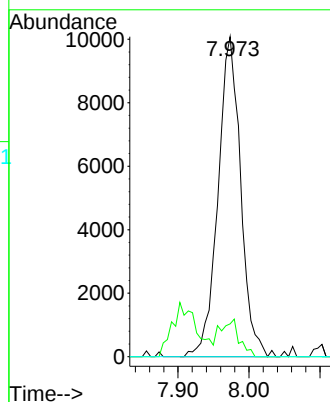
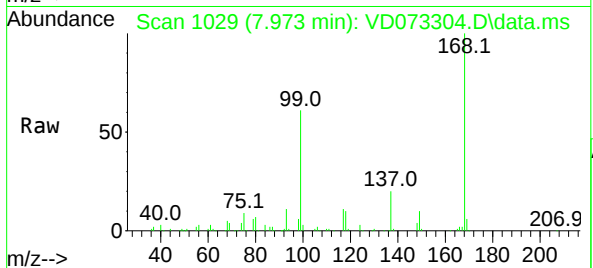
Tgt Ion: 75 Resp: 22325

Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073304.D

Acq: 24 May 2022 02:26

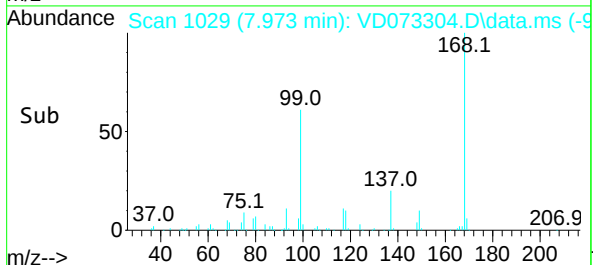
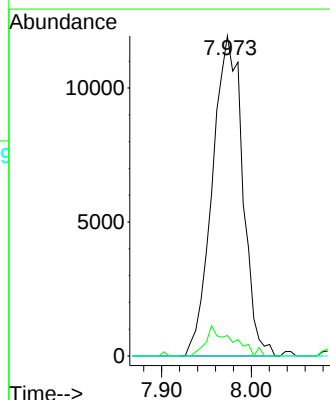
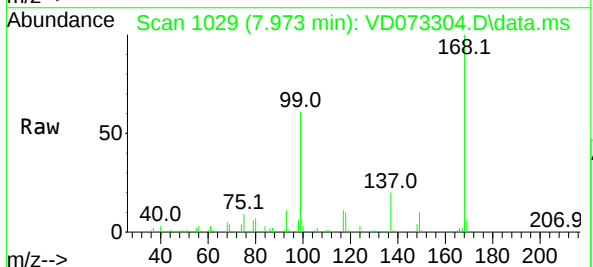
Tgt Ion: 117 Resp: 27960

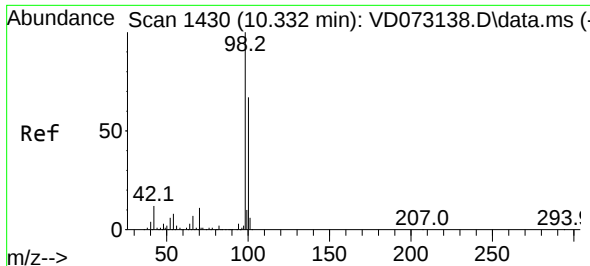
Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

121 0.0 24.5 36.7#

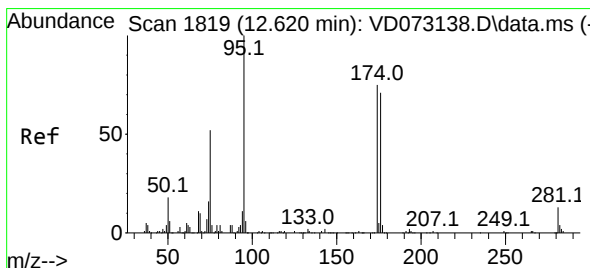
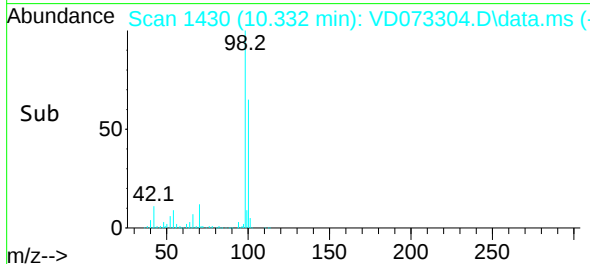
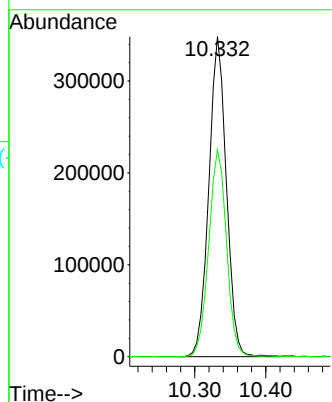
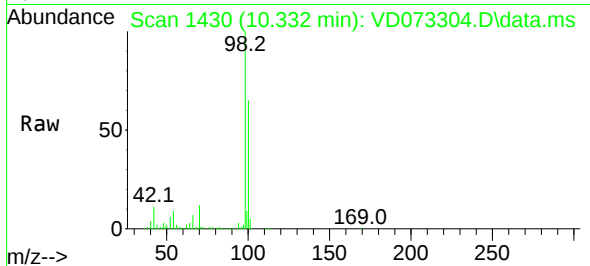




#50
Toluene-d8
Concen: 51.421 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

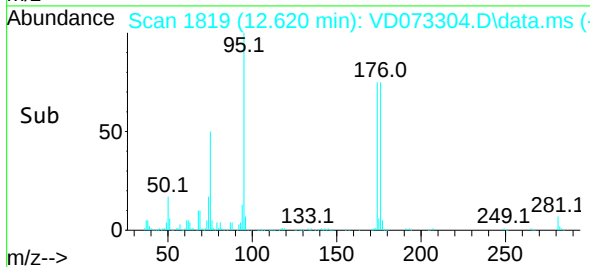
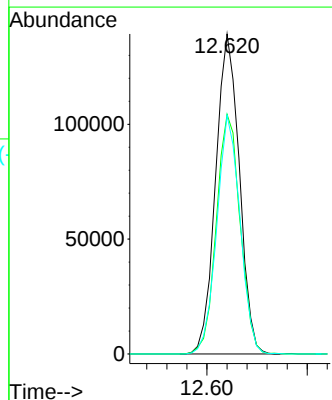
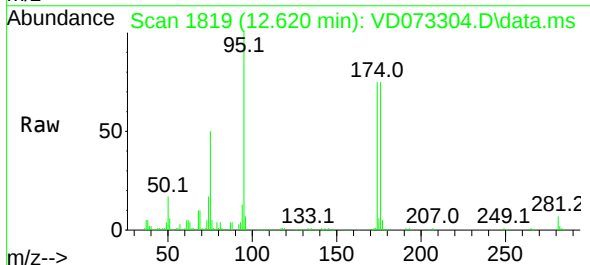
Instrument :
MSVOA_D
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P043-SS001-0612-01

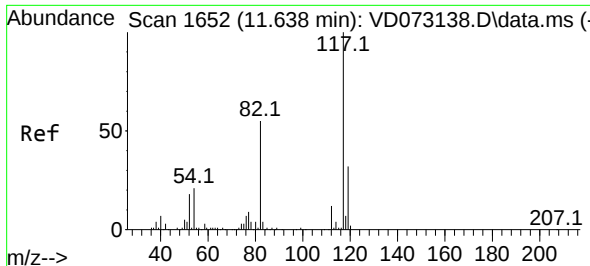
Tgt Ion: 98 Resp: 598324
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 55.822 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

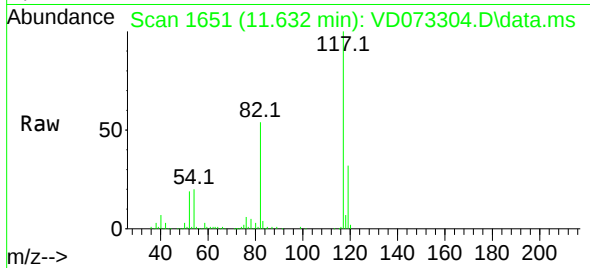
Tgt Ion: 95 Resp: 227949
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 73.2 0.0 145.4



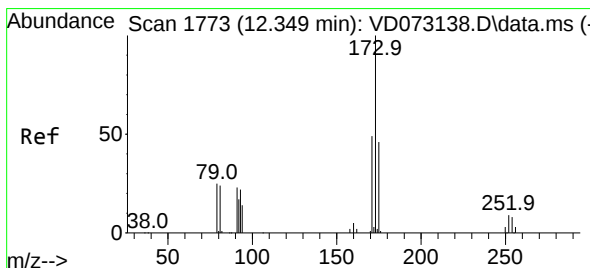
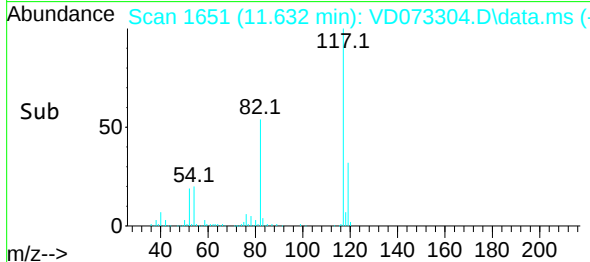
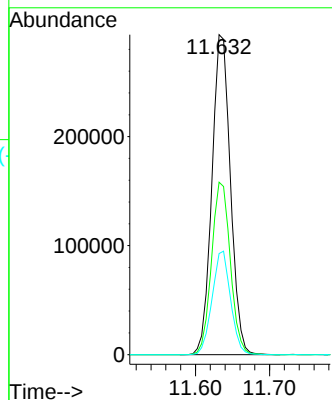


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-01

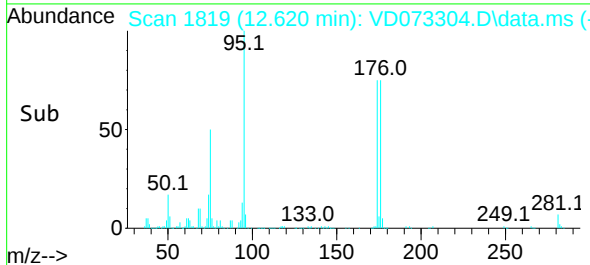
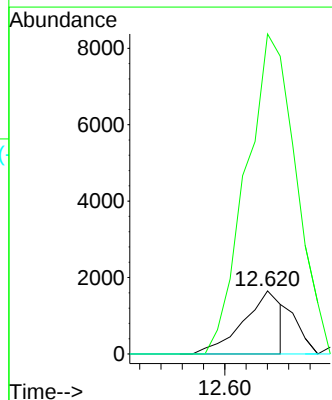
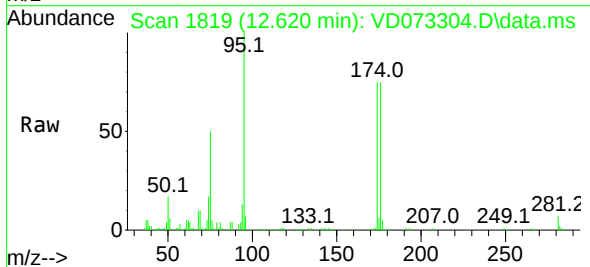


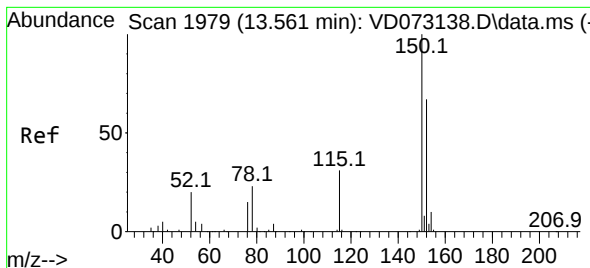
Tgt Ion:117 Resp: 509377
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.6 26.6 40.0



#71
Bromoform
Concen: 1.031 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Tgt Ion:173 Resp: 2057
Ion Ratio Lower Upper
173 100
175 497.6 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: VD073304.D

Acq: 24 May 2022 02:26

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0612-01

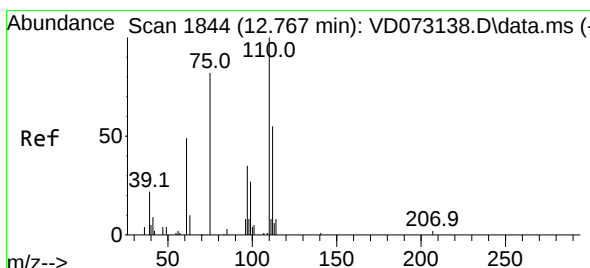
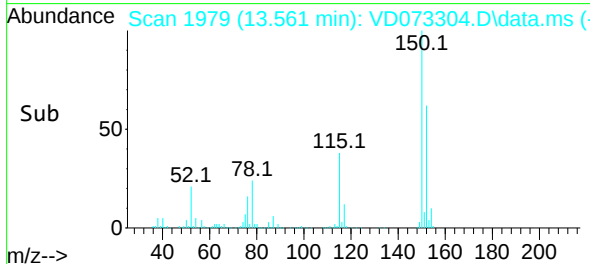
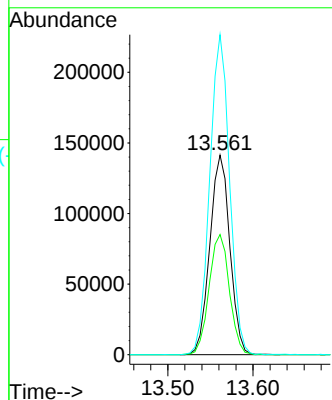
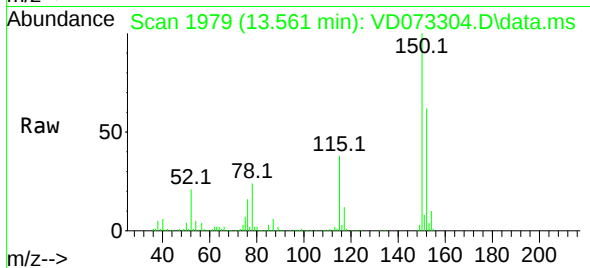
Tgt Ion:152 Resp: 231666

Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

150 158.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.140 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073304.D

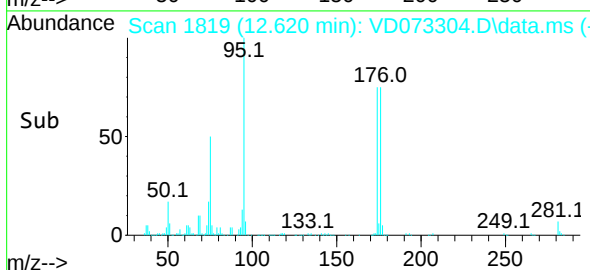
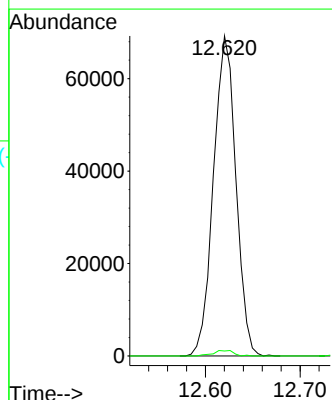
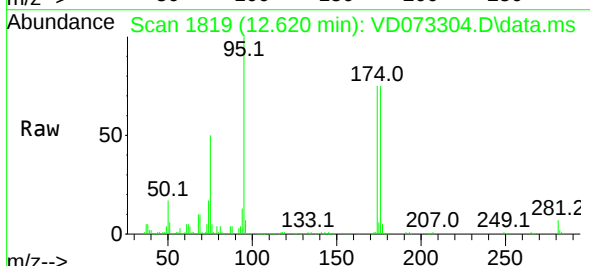
Acq: 24 May 2022 02:26

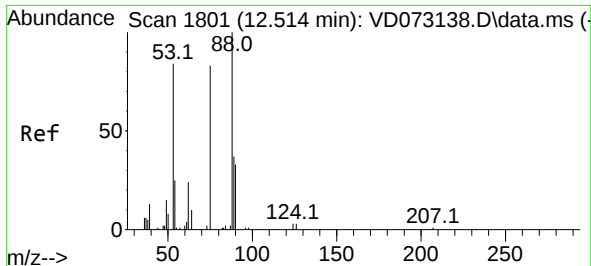
Tgt Ion: 75 Resp: 113971

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

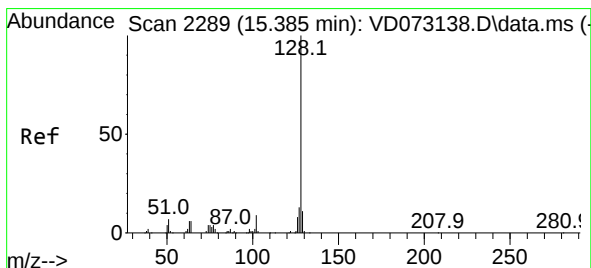
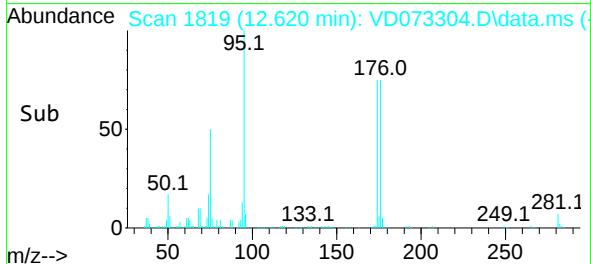
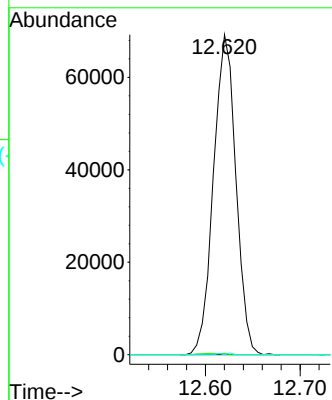
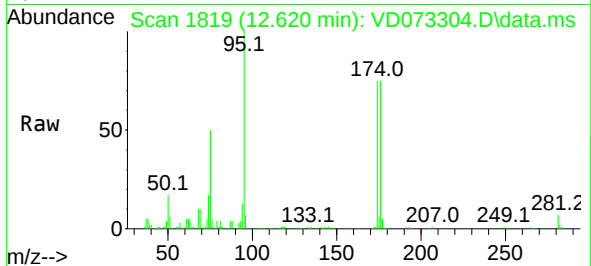




#81
trans-1,4-Dichloro-2-butene
Concen: 120.371 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-01

Tgt Ion: 75 Resp: 113971
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.578 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073304.D
Acq: 24 May 2022 02:26

Tgt Ion: 128 Resp: 297
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

