

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073261.D
 Acq On : 22 May 2022 08:00
 Operator : VA/SY
 Sample : N2920-16
 Misc : 4.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS004-0006-01

Quant Time: May 23 01:14:11 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)

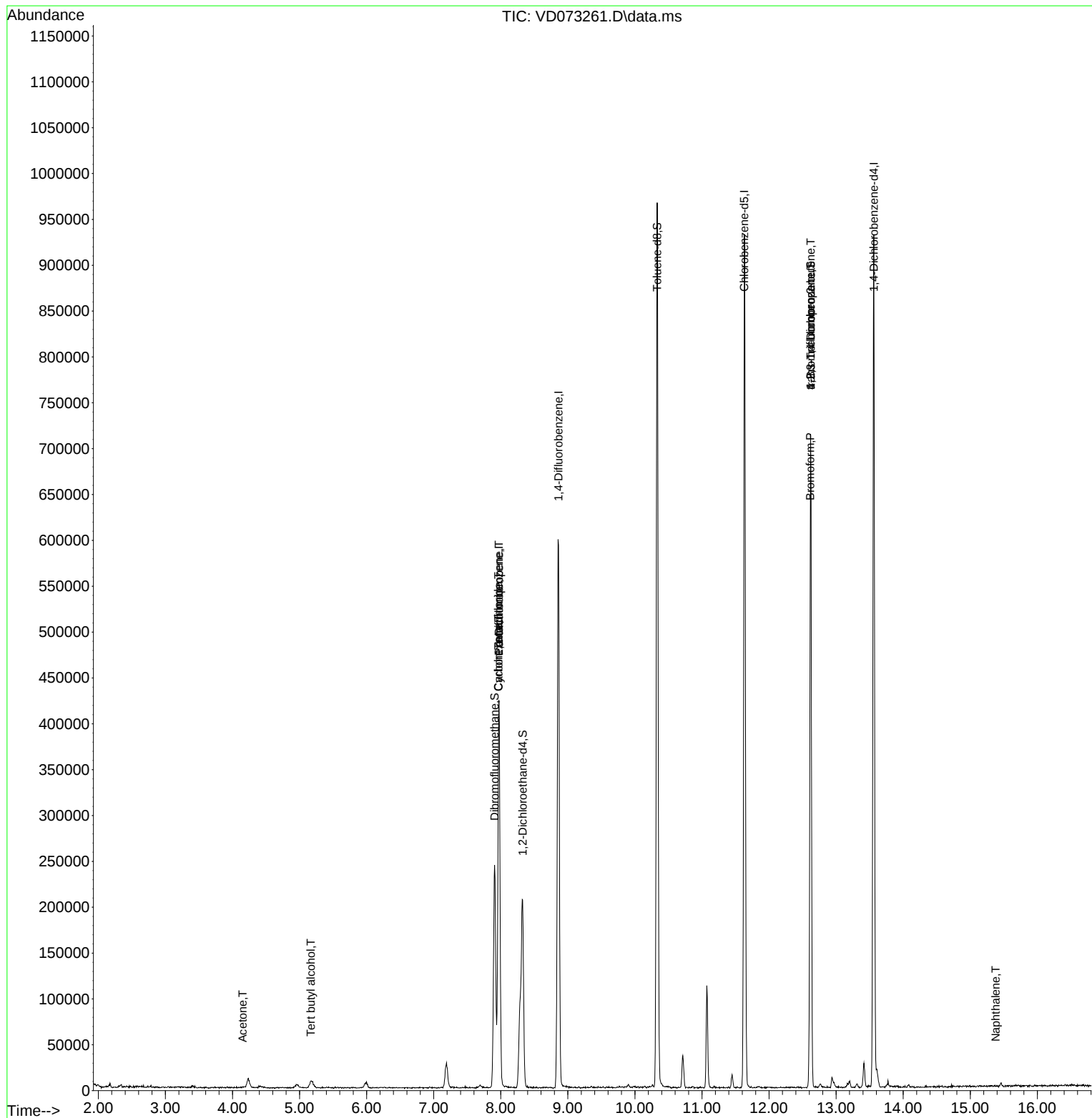
Internal Standards						
1) Pentafluorobenzene	7.973	168	298799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	523704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	539116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	156383	47.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.720%			
35) Dibromofluoromethane	7.908	113	174724	50.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.120%			
50) Toluene-d8	10.332	98	651267	51.125	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.620	95	226785	50.729	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	753	Below Cal	#	10
11) Tert butyl alcohol	5.167	59	7856	15.334	ug/l #	74
16) Acetone	4.150	43	2003	3.502	ug/l #	47
20) Methylene Chloride	4.950	84	1826	Below Cal	#	85
31) Cyclohexane	7.967	56	7853	1.361	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25602	4.926	ug/l #	53
38) Carbon Tetrachloride	7.967	117	32700	6.207	ug/l #	17
71) Bromoform	12.614	173	2196	1.040	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	116134	48.046	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	116134	115.345	ug/l #	7
95) Naphthalene	15.379	128	73	3.550	ug/l #	70

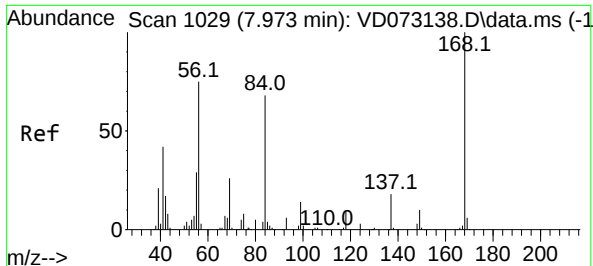
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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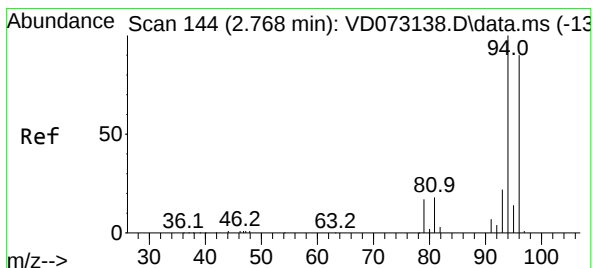
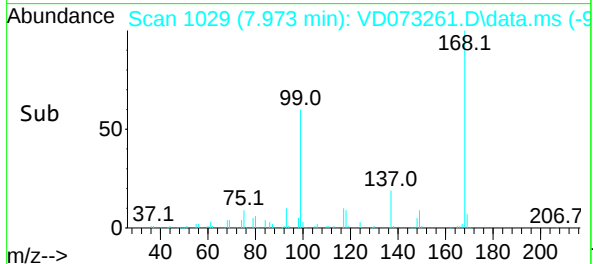
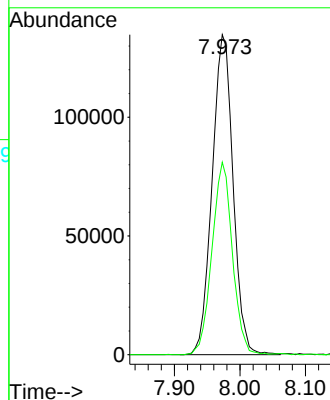
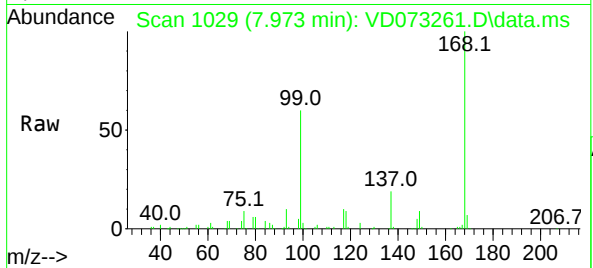




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

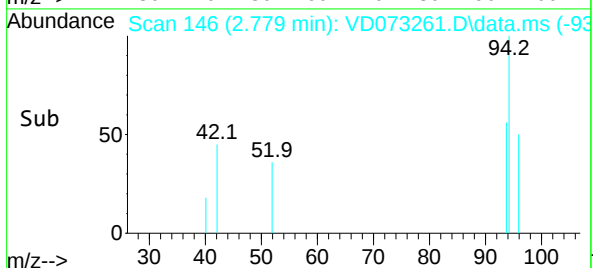
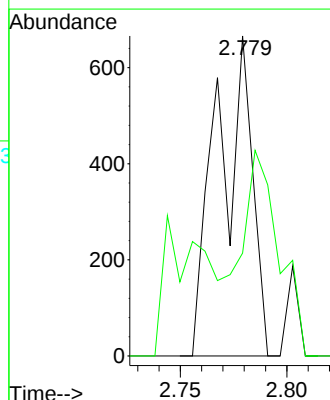
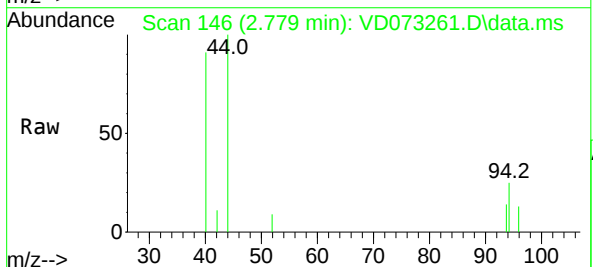
Instrument :
MSVOA_D
ClientSampleId :
P024-SS004-0006-01

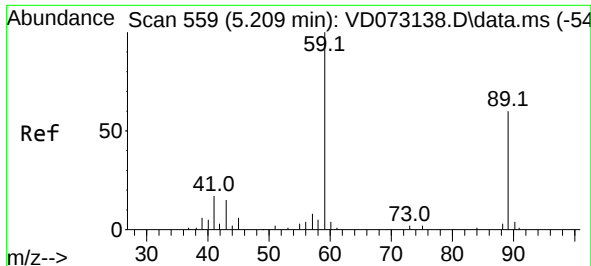
Tgt Ion:168 Resp: 298799
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

Tgt Ion: 94 Resp: 753
Ion Ratio Lower Upper
94 100
96 9.0 77.6 116.4#

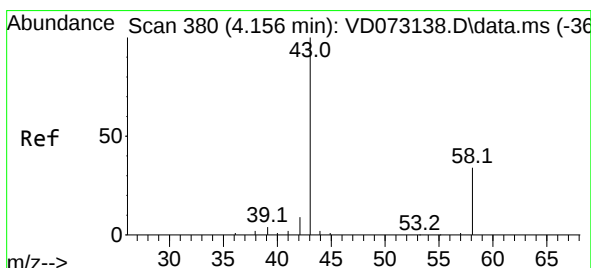
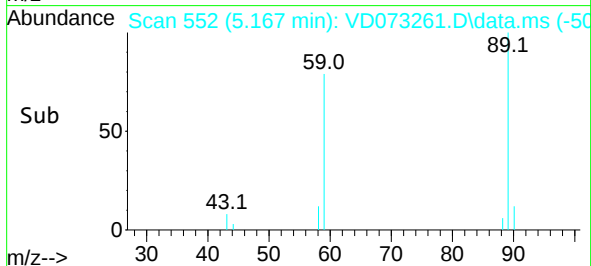
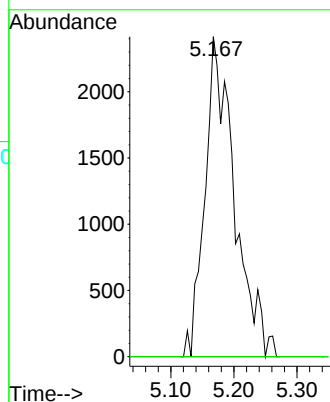
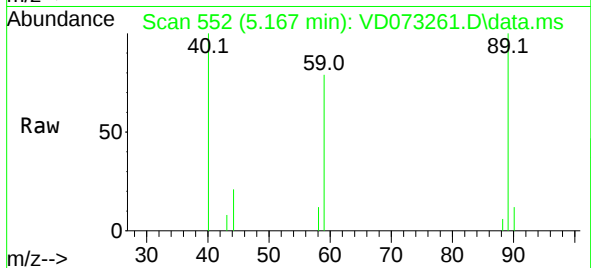




#11
Tert butyl alcohol
Concen: 15.334 ug/l
RT: 5.167 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

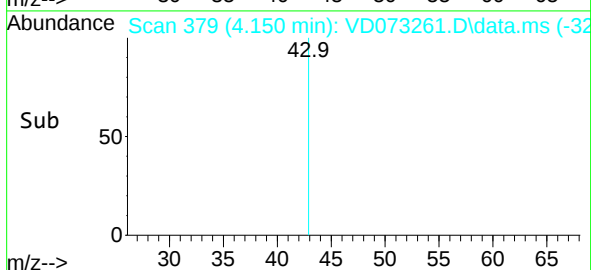
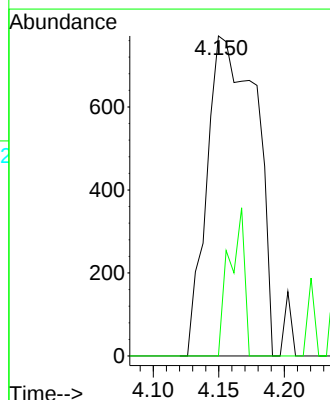
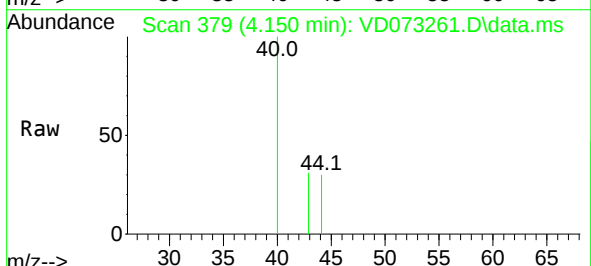
Instrument :
MSVOA_D
ClientSampleId :
P024-SS004-0006-01

Tgt Ion: 59 Resp: 7856
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.502 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

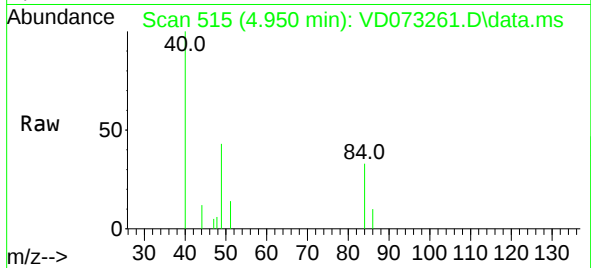
Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



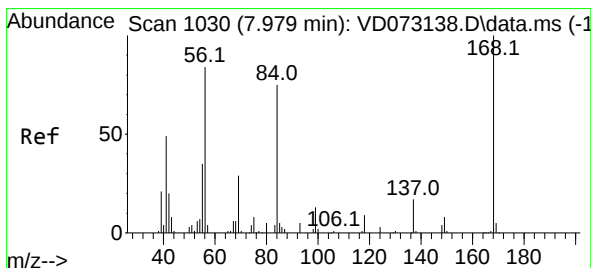
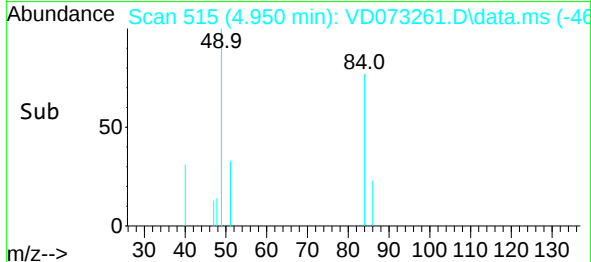
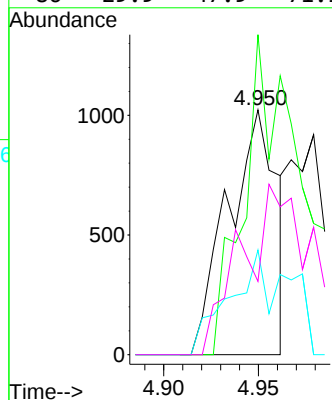


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

Instrument :
MSVOA_D
ClientSampleId :
P024-SS004-0006-01

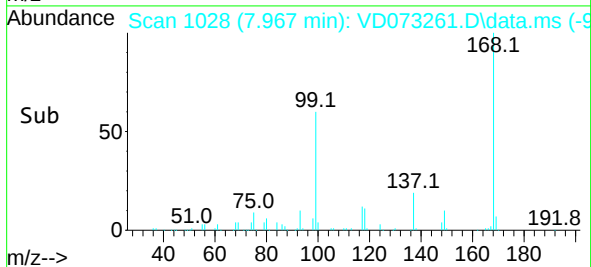
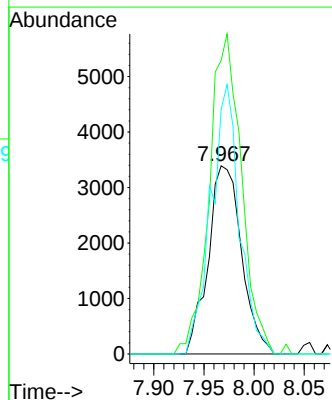
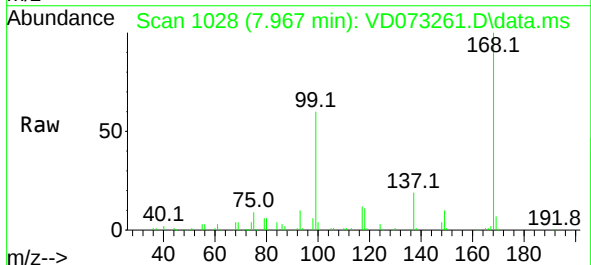


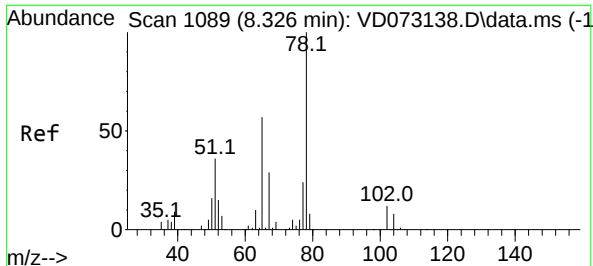
Tgt Ion: 84 Resp: 1826
Ion Ratio Lower Upper
84 100
49 130.7 112.8 169.2
51 42.7 32.6 48.8
86 29.9 47.9 71.9#



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

Tgt Ion: 56 Resp: 7853
Ion Ratio Lower Upper
56 100
69 156.0 25.4 38.2#
84 130.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.358 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073261.D

Acq: 22 May 2022 08:00

Instrument :

MSVOA_D

ClientSampleId :

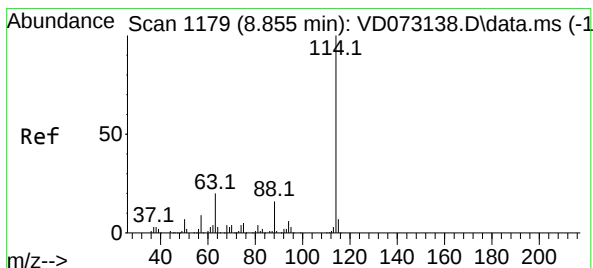
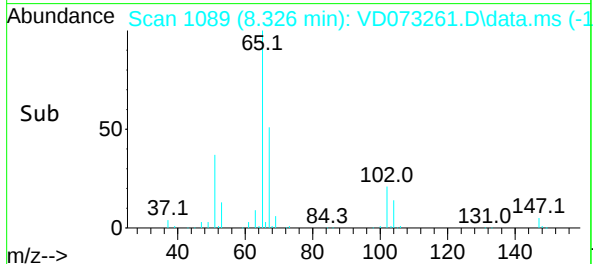
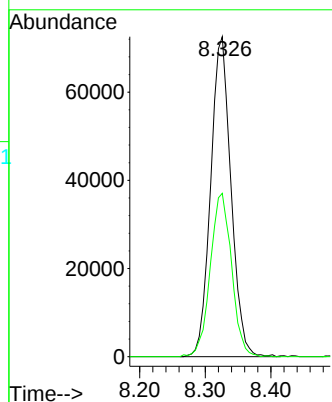
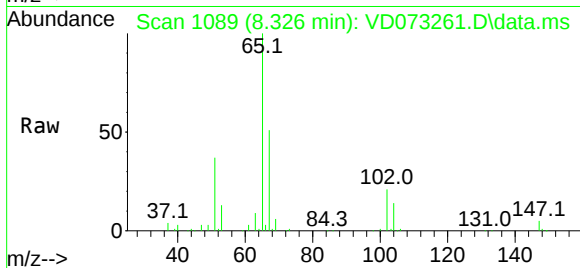
P024-SS004-0006-01

Tgt Ion: 65 Resp: 156383

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073261.D

Acq: 22 May 2022 08:00

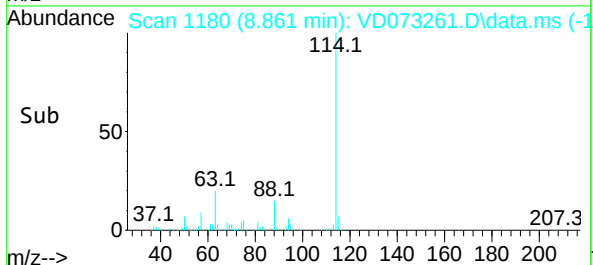
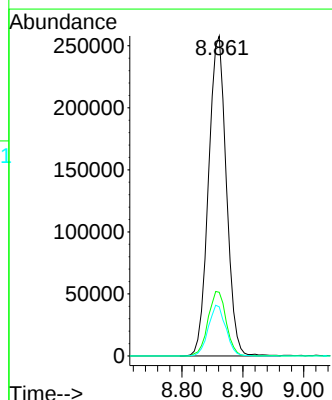
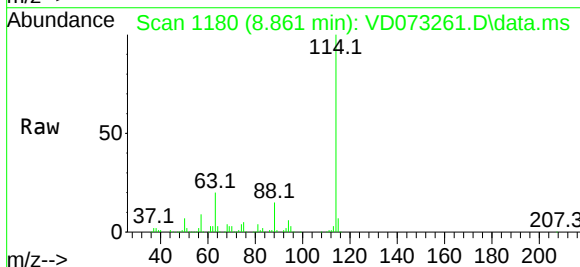
Tgt Ion: 114 Resp: 523704

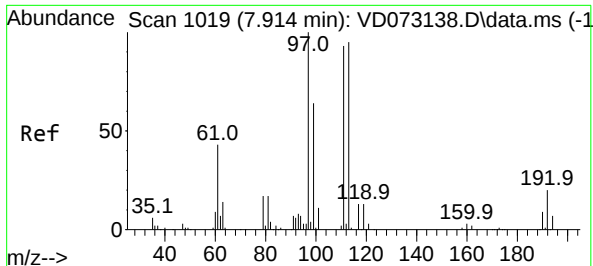
Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.560 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073261.D

Acq: 22 May 2022 08:00

Instrument :

MSVOA_D

ClientSampleId :

P024-SS004-0006-01

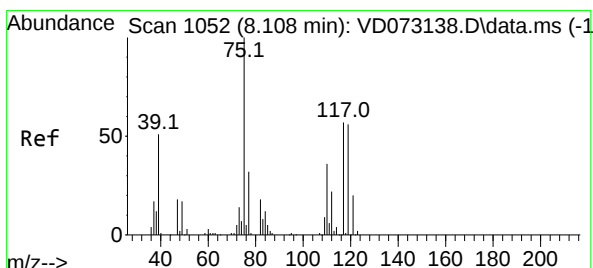
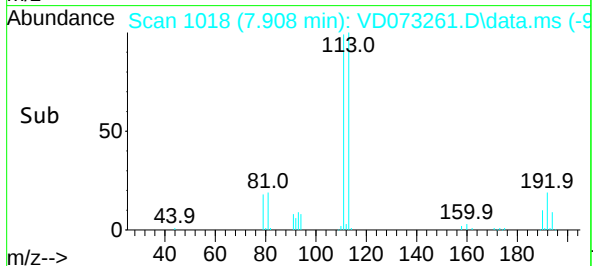
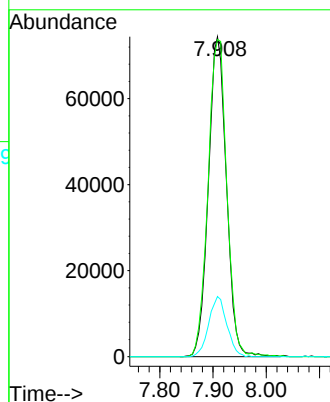
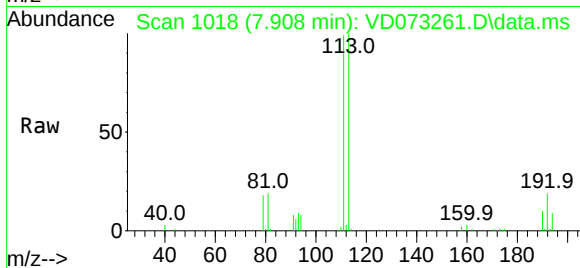
Tgt Ion:113 Resp: 174724

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.926 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073261.D

Acq: 22 May 2022 08:00

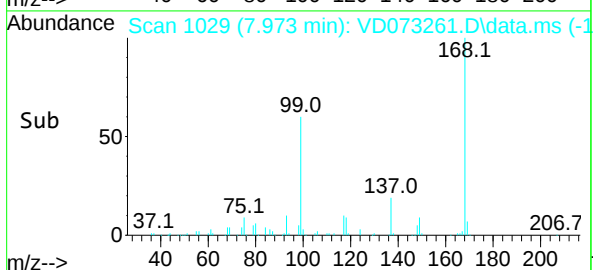
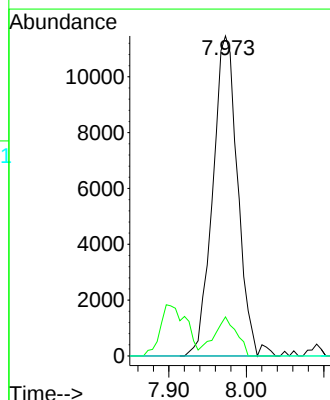
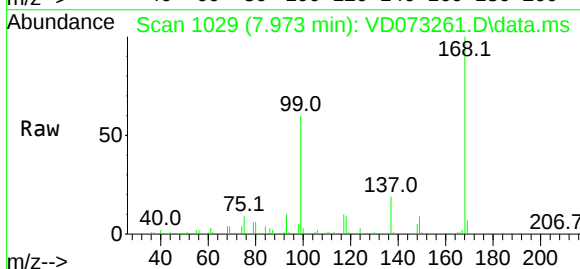
Tgt Ion: 75 Resp: 25602

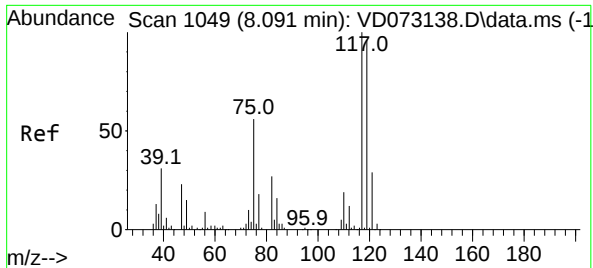
Ion Ratio Lower Upper

75 100

110 11.1 16.4 49.1#

77 0.0 24.2 36.2#

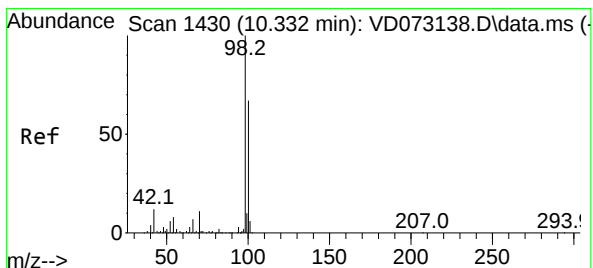
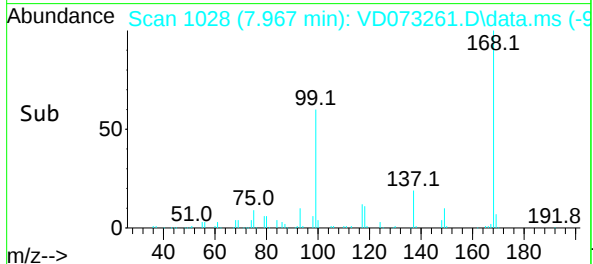
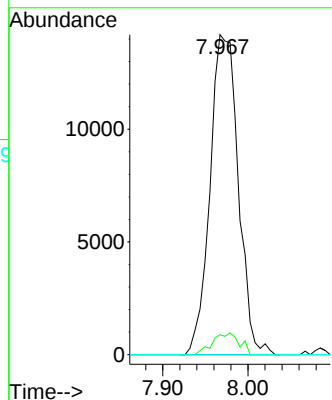
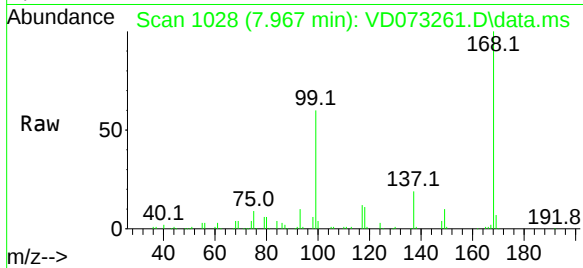




#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

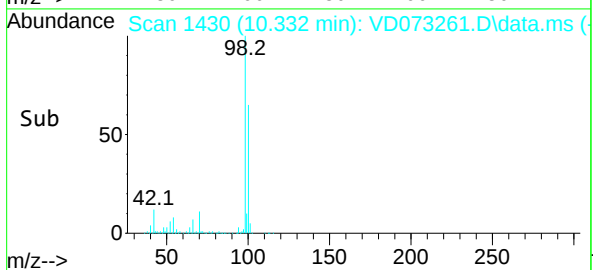
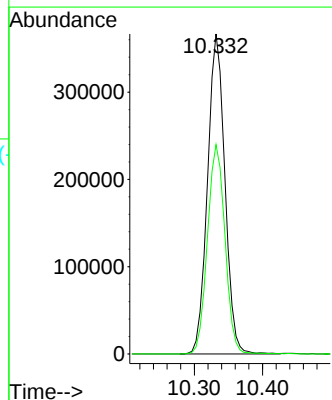
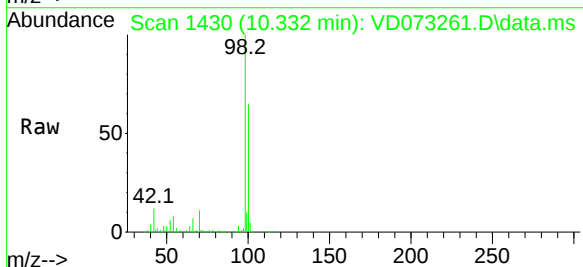
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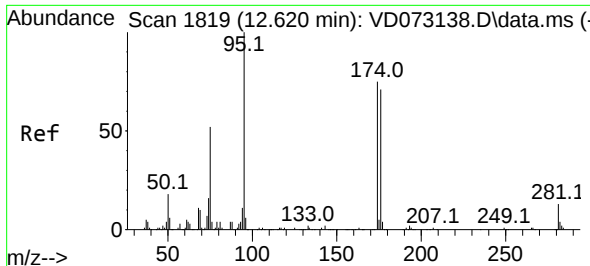
Tgt Ion:117 Resp: 32700
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.125 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

Tgt Ion: 98 Resp: 651267
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

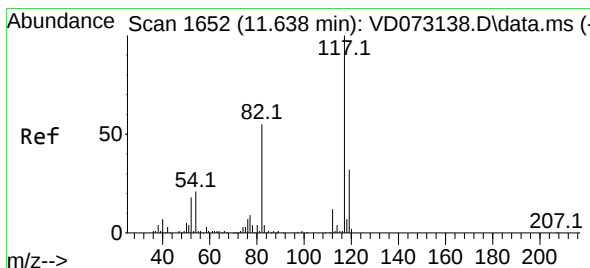
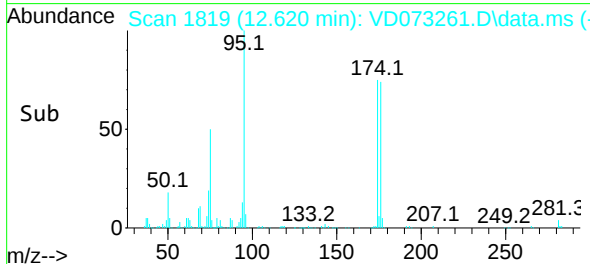
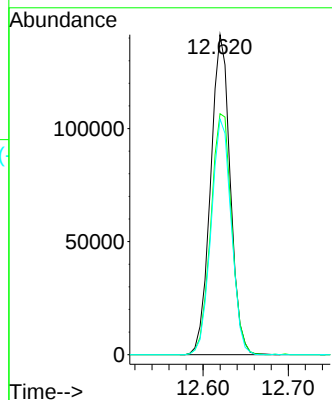
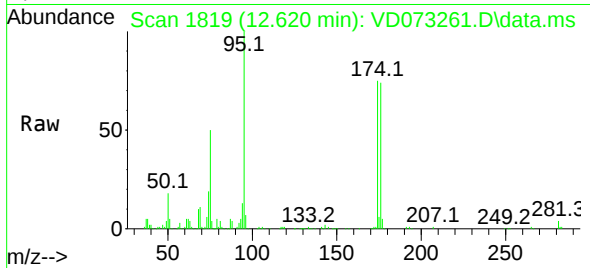




#62
4-Bromofluorobenzene
Concen: 50.729 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

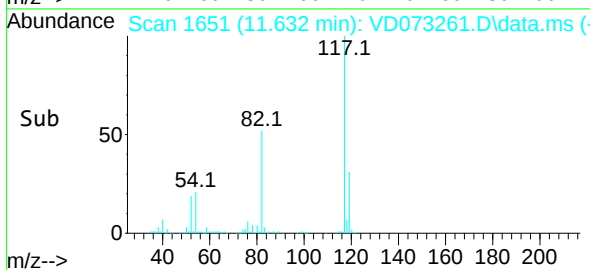
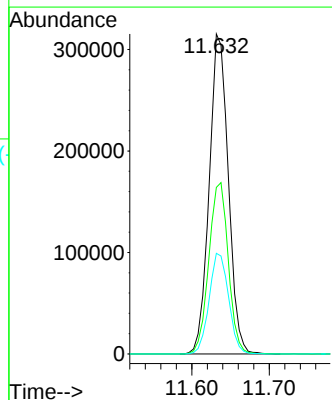
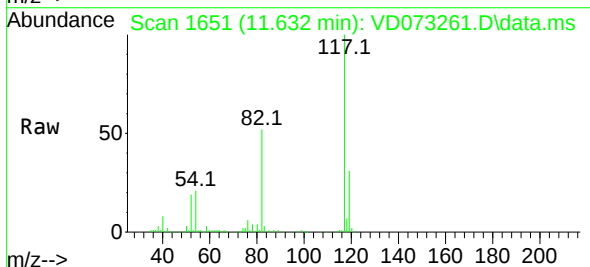
Instrument :
MSVOA_D
ClientSampleId :
P024-SS004-0006-01

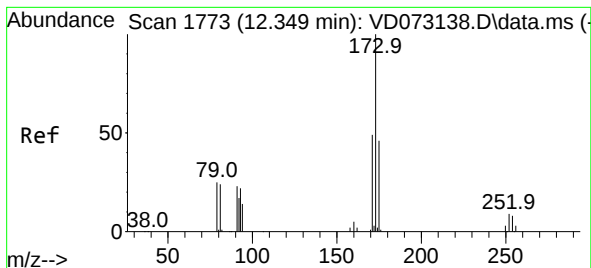
Tgt Ion:	95	Resp:	226785
Ion Ratio	Lower	Upper	
95	100		
174	79.8	0.0	152.8
176	75.3	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

Tgt Ion:	117	Resp:	539116
Ion Ratio	Lower	Upper	
117	100		
82	52.0	45.3	67.9
119	31.4	26.6	40.0





#71

Bromoform

Concen: 1.040 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. 0.265 min

Lab File: VD073261.D

Acq: 22 May 2022 08:00

Instrument :

MSVOA_D

ClientSampleId :

P024-SS004-0006-01

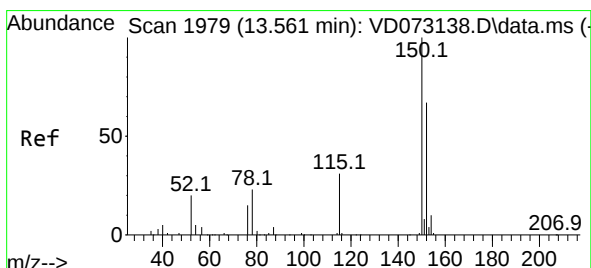
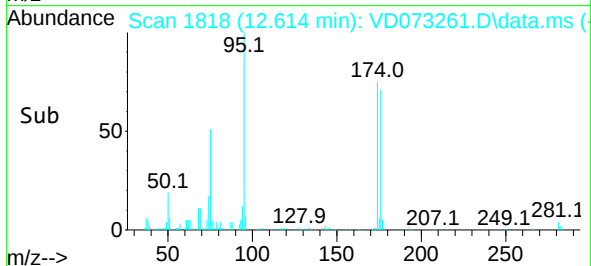
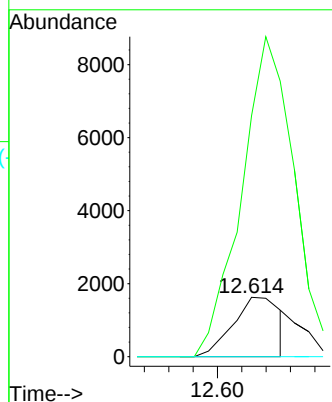
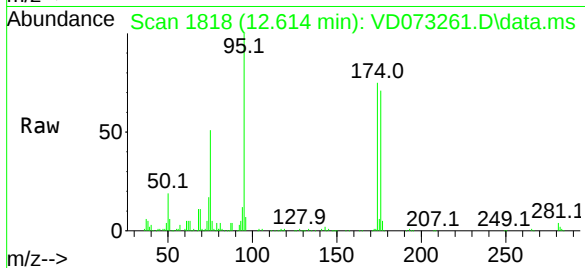
Tgt Ion:173 Resp: 2196

Ion Ratio Lower Upper

173 100

175 469.7 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: VD073261.D

Acq: 22 May 2022 08:00

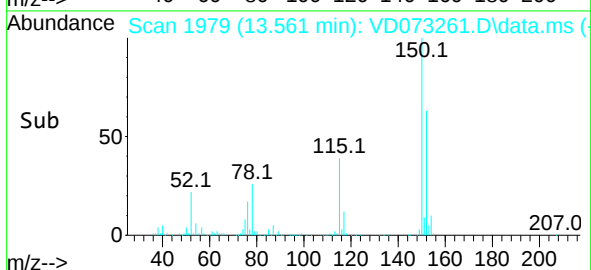
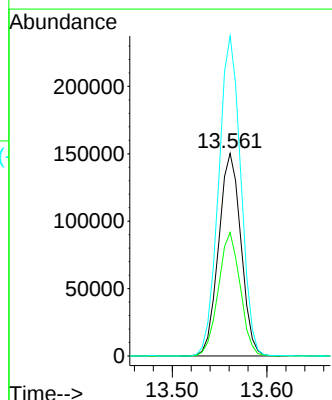
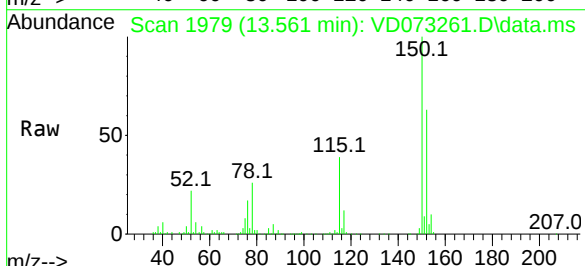
Tgt Ion:152 Resp: 246350

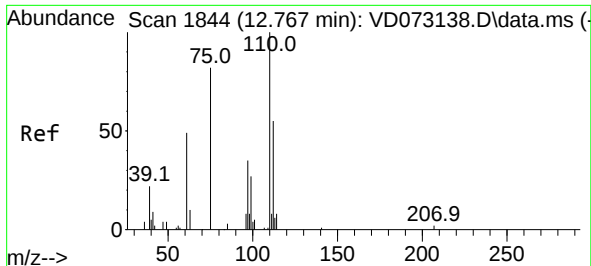
Ion Ratio Lower Upper

152 100

115 59.6 31.3 93.8

150 157.0 0.0 348.6

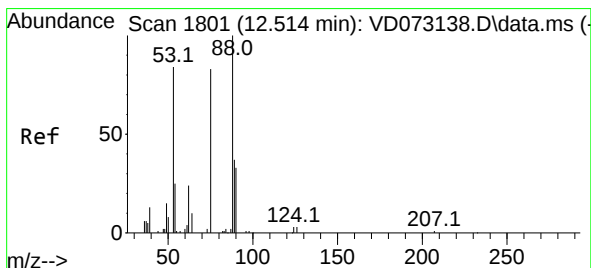
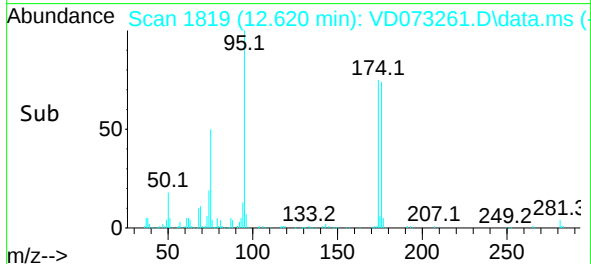
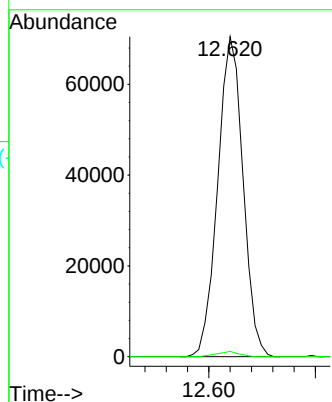
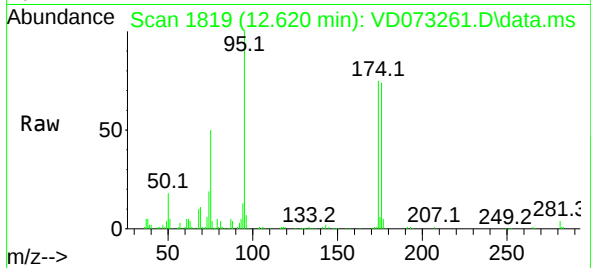




#76
1,2,3-Trichloropropane
Concen: 48.046 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

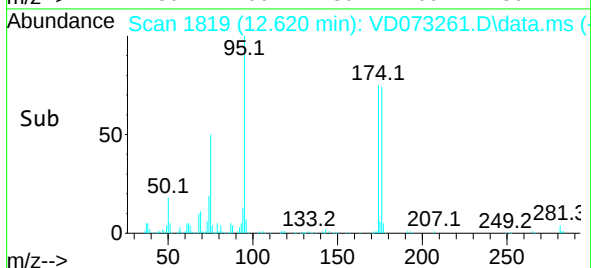
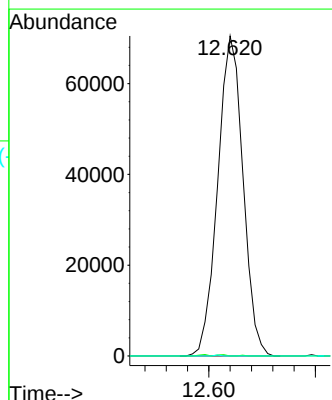
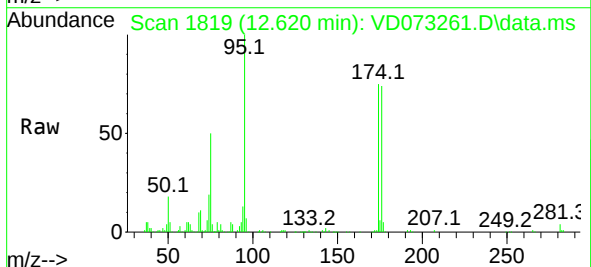
Instrument :
MSVOA_D
ClientSampleId :
P024-SS004-0006-01

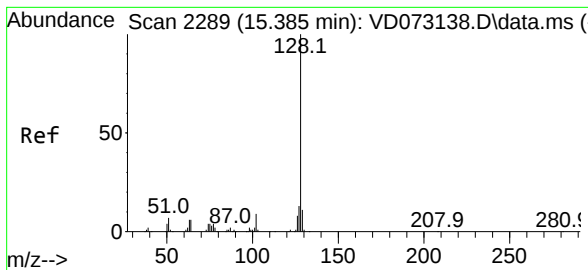
Tgt Ion: 75 Resp: 116134
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.345 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

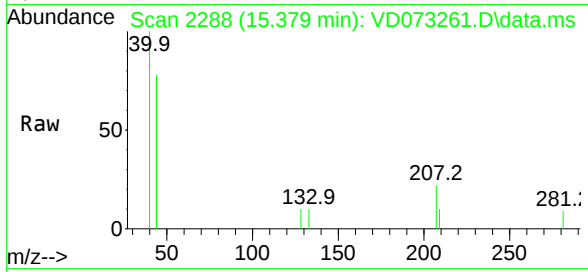
Tgt Ion: 75 Resp: 116134
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.550 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073261.D
Acq: 22 May 2022 08:00

Instrument :
MSVOA_D
ClientSampleId :
P024-SS004-0006-01



Tgt Ion:	128	Resp:	73
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

