

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073200.D
 Acq On : 20 May 2022 23:13
 Operator : VA/SY
 Sample : N2885-02
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-0612-01

Quant Time: May 21 00:18:11 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)

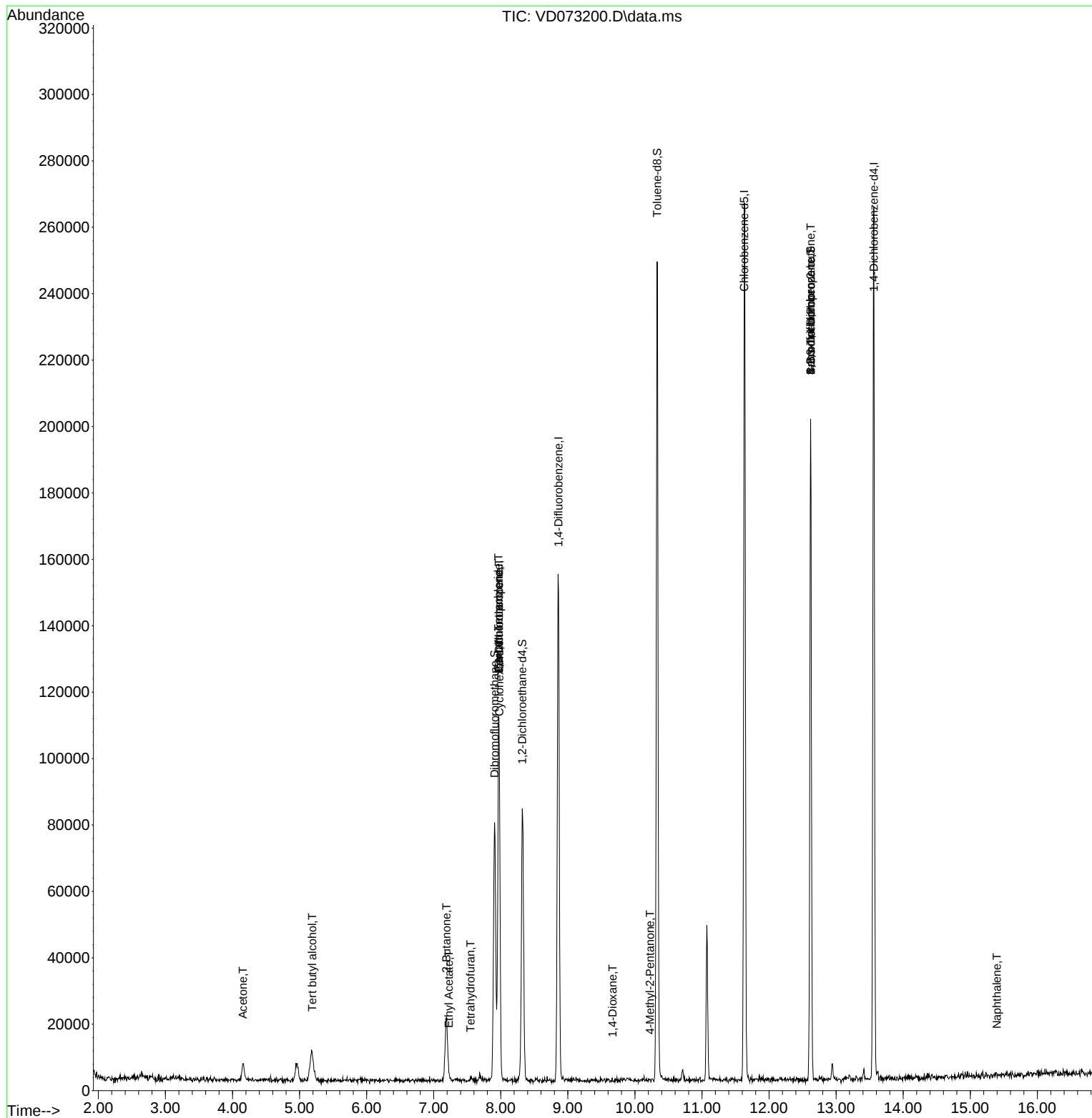
Internal Standards						
1) Pentafluorobenzene	7.973	168	78202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	130225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	154075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	68641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	67058	77.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	155.180%
35) Dibromofluoromethane	7.908	113	56951	66.275	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.560%
50) Toluene-d8	10.332	98	163834	51.721	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.440%
62) 4-Bromofluorobenzene	12.620	95	66024	59.393	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.780%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	738	Below Cal		82
11) Tert butyl alcohol	5.191	59	9418	70.238	ug/l #	74
16) Acetone	4.156	43	8358	55.833	ug/l #	65
20) Methylene Chloride	4.956	84	3210	Below Cal	#	72
25) 2-Butanone	7.191	43	741	3.383	ug/l #	52
29) Tetrahydrofuran	7.550	42	195	1.377	ug/l #	38
31) Cyclohexane	7.979	56	1969	1.304	ug/l #	51
36) 1,1-Dichloropropene	7.973	75	7114	5.505	ug/l #	45
37) Ethyl Acetate	7.226	43	554	1.085	ug/l #	72
38) Carbon Tetrachloride	7.967	117	7922	6.047	ug/l #	17
49) 1,4-Dioxane	9.667	88	55	10.338	ug/l #	21
51) 4-Methyl-2-Pentanone	10.226	43	675	1.377	ug/l #	75
71) Bromoform	12.620	173	748	1.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	31288	46.457	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	31288	111.528	ug/l #	7
95) Naphthalene	15.396	128	74	3.572	ug/l #	70

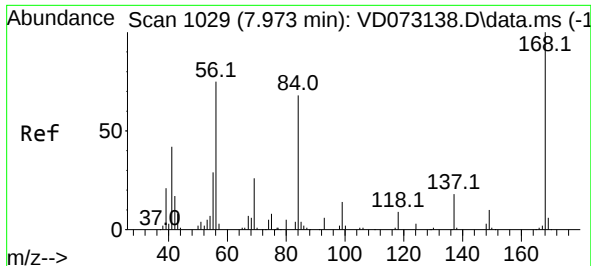
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 00:18:11 2022
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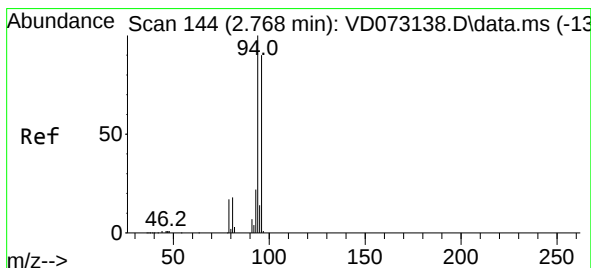
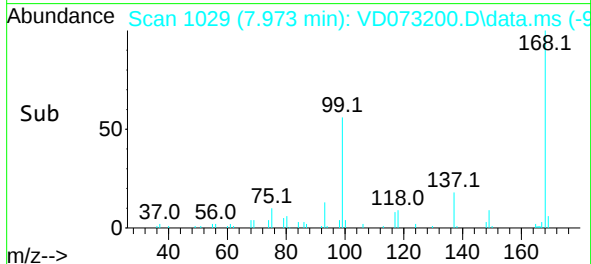
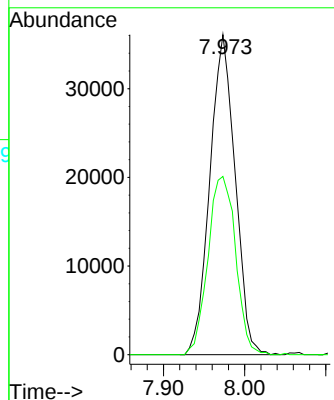
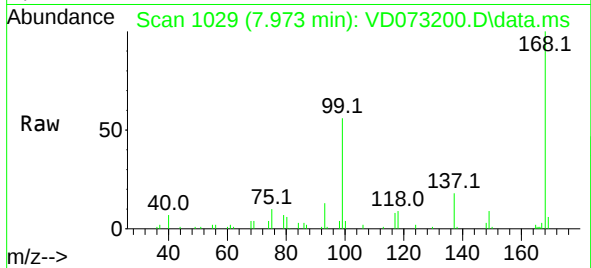




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

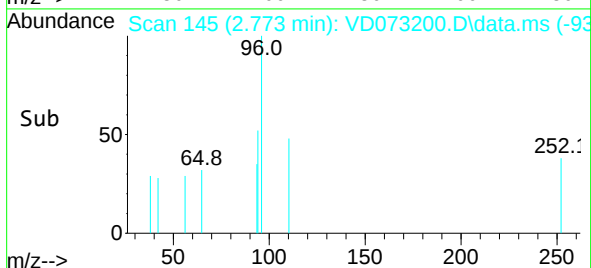
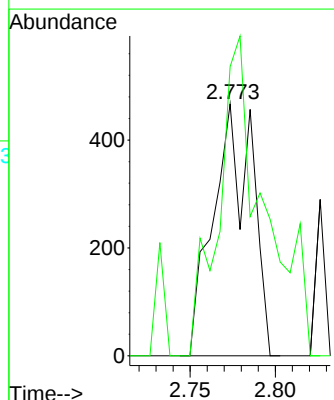
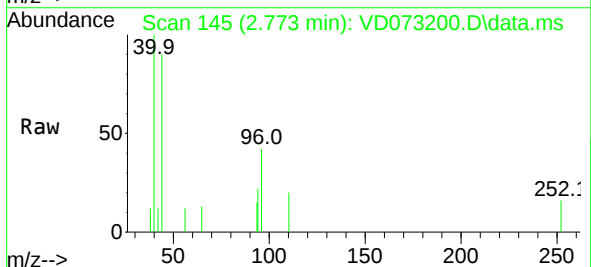
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

Tgt Ion:168 Resp: 78202
Ion Ratio Lower Upper
168 100
99 55.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Tgt Ion: 94 Resp: 738
Ion Ratio Lower Upper
94 100
96 114.8 77.6 116.4

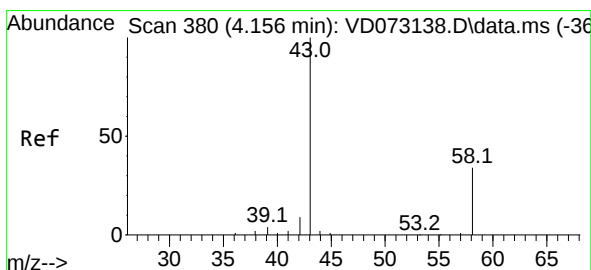
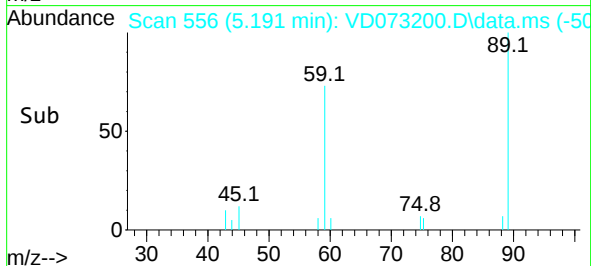
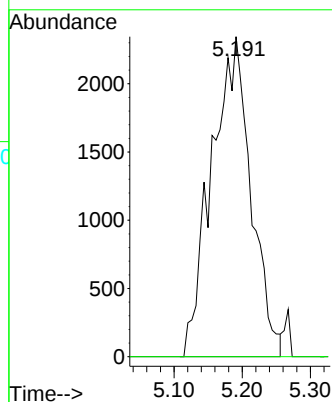
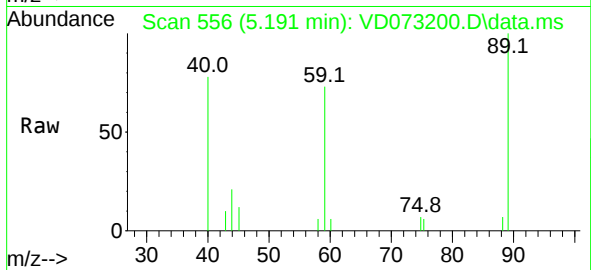




#11
Tert butyl alcohol
Concen: 70.238 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

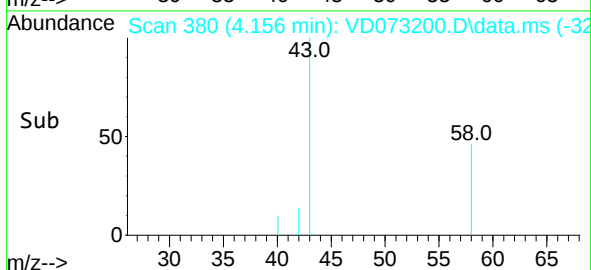
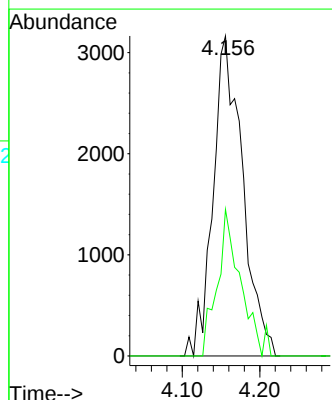
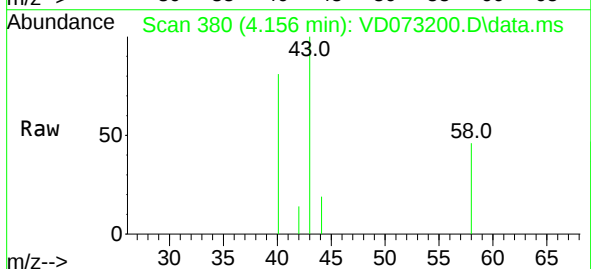
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

Tgt Ion: 59 Resp: 9418
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 55.833 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

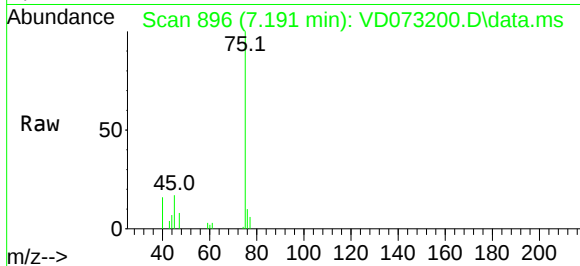
Tgt Ion: 43 Resp: 8358
Ion Ratio Lower Upper
43 100
58 45.8 22.1 33.1#



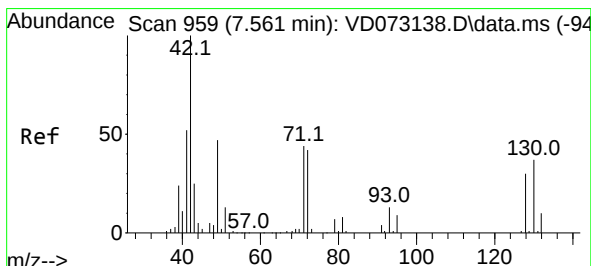
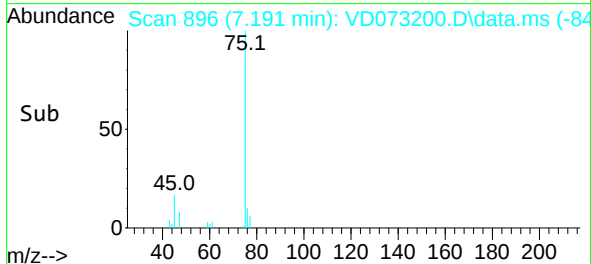
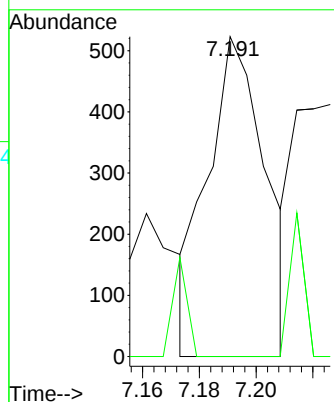


#25
2-Butanone
Concen: 3.383 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.017 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

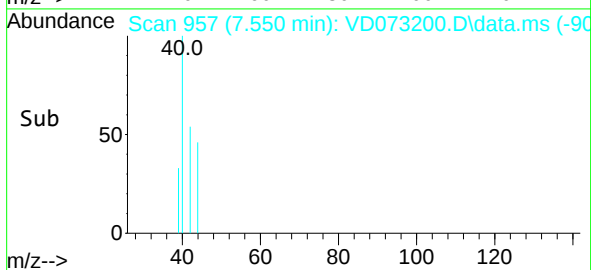
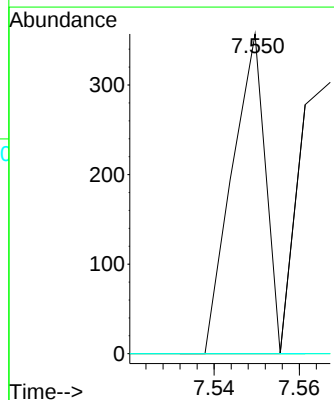
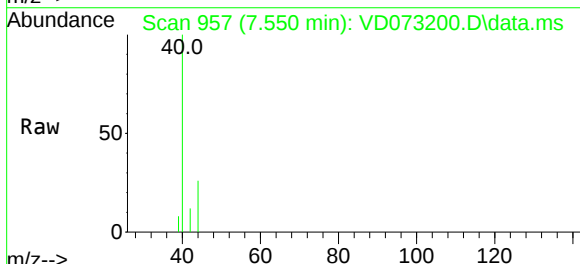


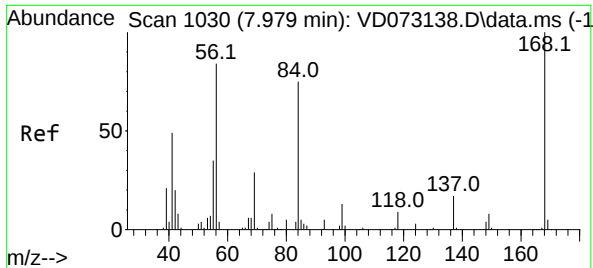
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.377 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.011 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

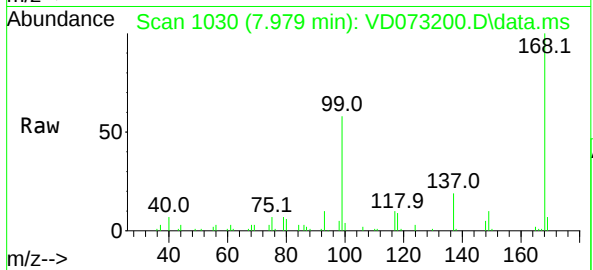
Tgt Ion: 42 Resp: 195
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#



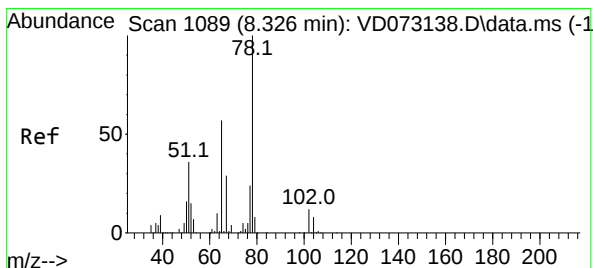
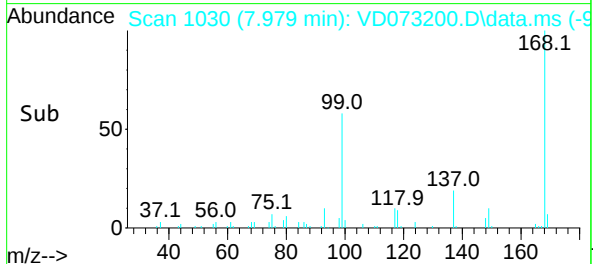
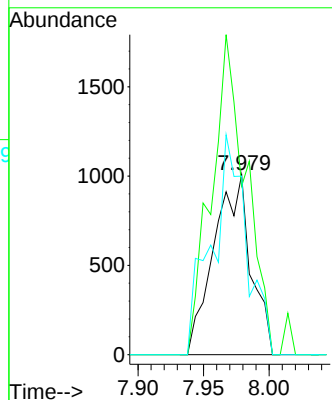


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

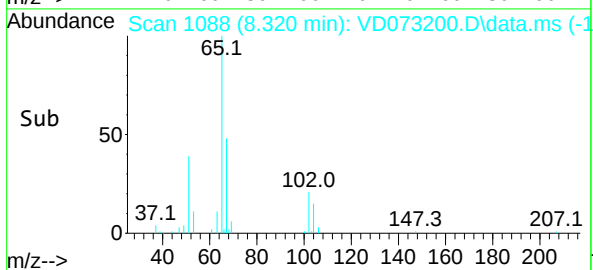
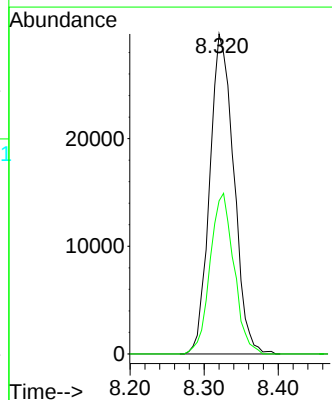
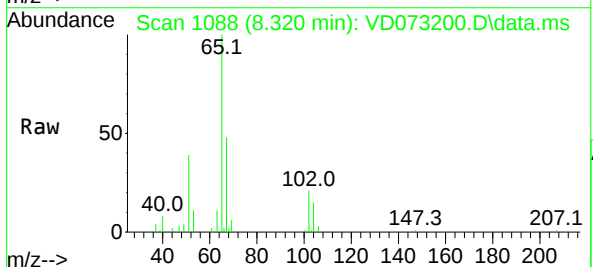


Tgt Ion: 56 Resp: 1969
Ion Ratio Lower Upper
56 100
69 93.5 25.4 38.2#
84 99.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 77.592 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Tgt Ion: 65 Resp: 67058
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073200.D

Acq: 20 May 2022 23:13

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-0612-01

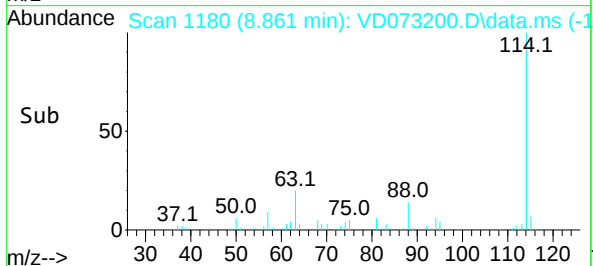
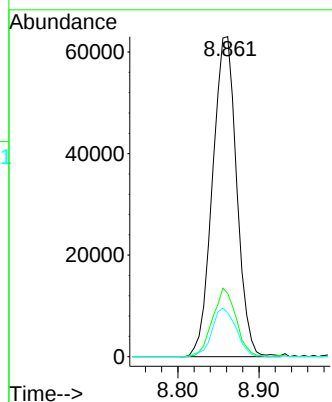
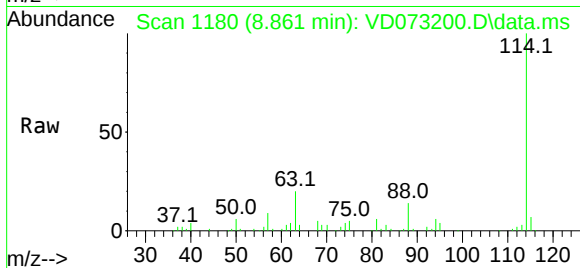
Tgt Ion:114 Resp: 130225

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 13.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 66.275 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073200.D

Acq: 20 May 2022 23:13

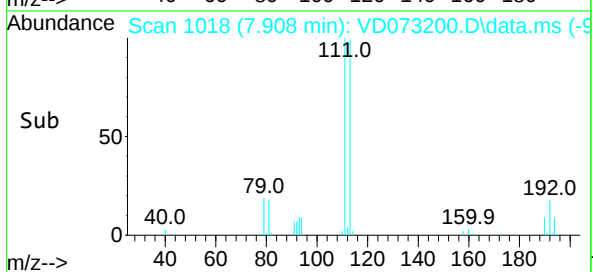
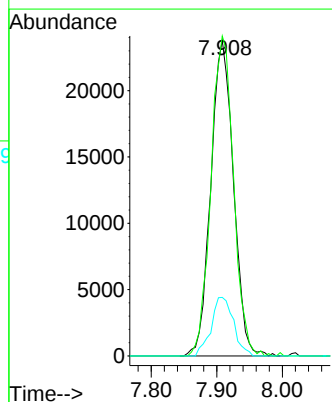
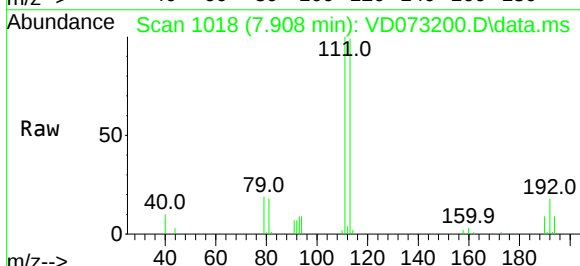
Tgt Ion:113 Resp: 56951

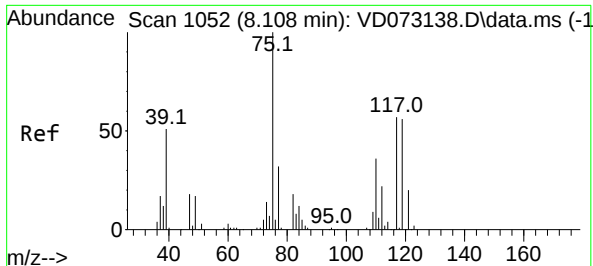
Ion Ratio Lower Upper

113 100

111 101.4 83.8 125.6

192 18.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.505 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073200.D

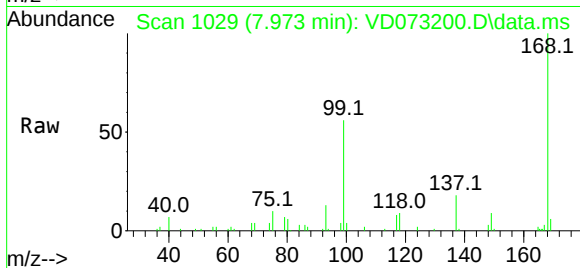
Acq: 20 May 2022 23:13

Instrument :

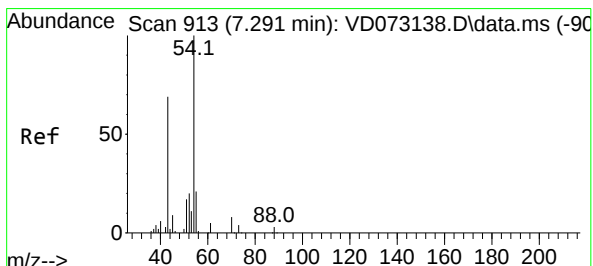
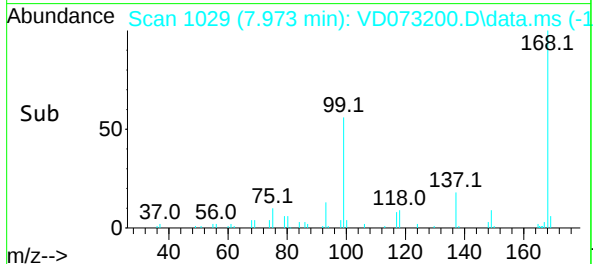
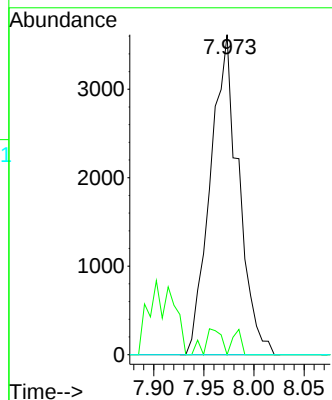
MSVOA_D

ClientSampleId :

P004-SS002-0612-01



Tgt Ion: 75	Resp: 7114
Ion Ratio	Lower Upper
75 100	
110 2.4	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 1.085 ug/l

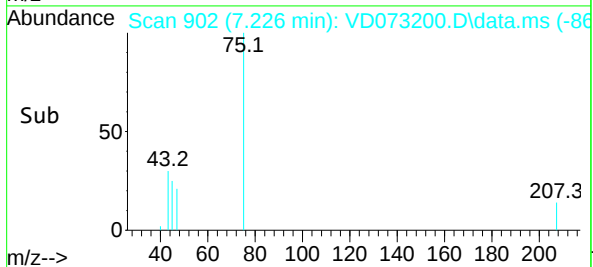
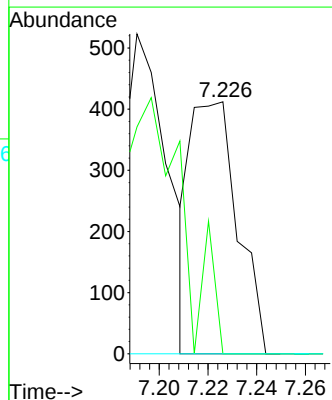
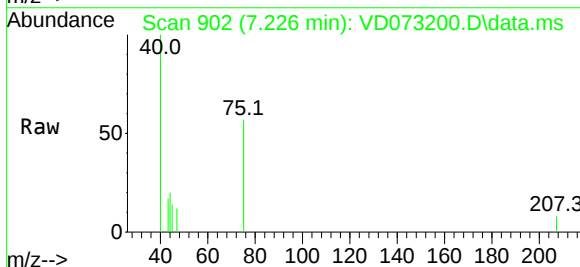
RT: 7.226 min Scan# 902

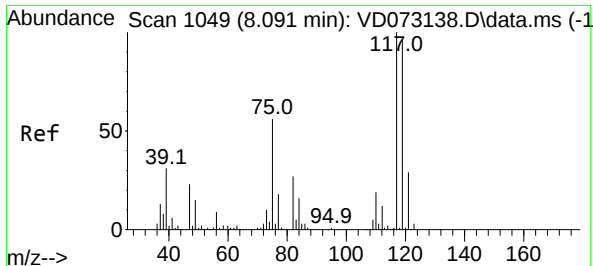
Delta R.T. -0.065 min

Lab File: VD073200.D

Acq: 20 May 2022 23:13

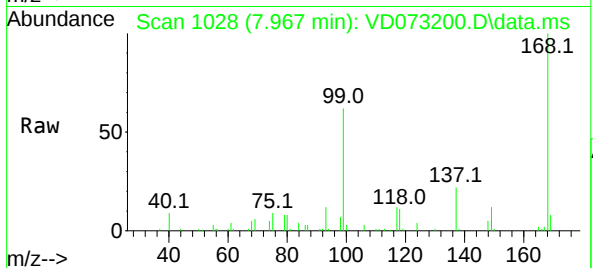
Tgt Ion: 43	Resp: 554
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.0	6.9 10.3#



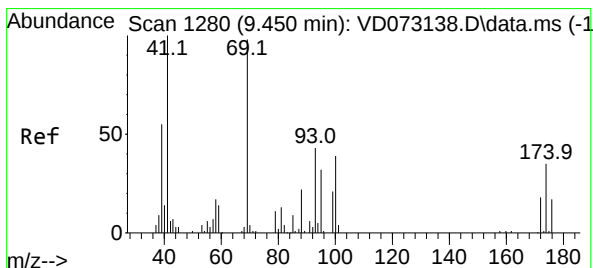
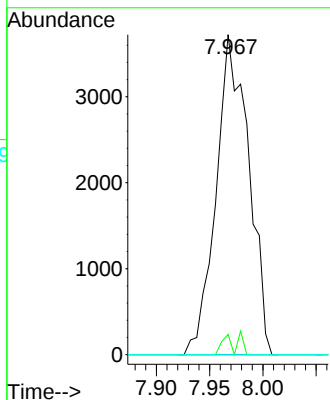
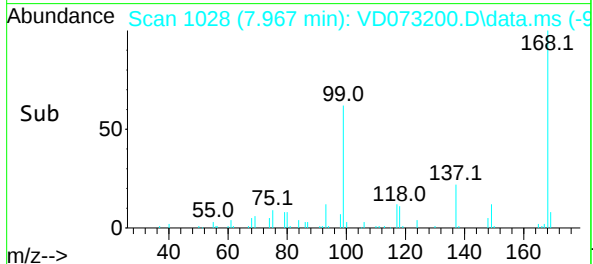


#38
Carbon Tetrachloride
Concen: 6.047 ug/l
RT: 7.967 min Scan# 117
Delta R.T. -0.124 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

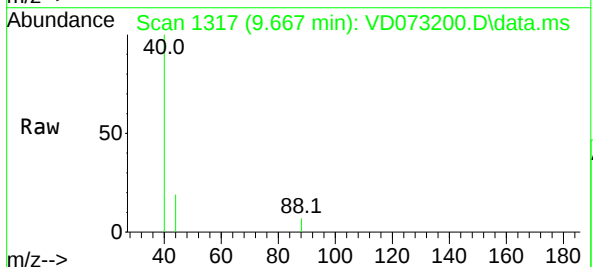
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01



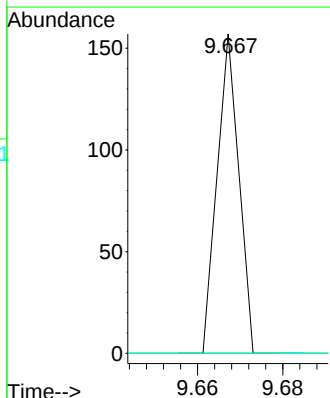
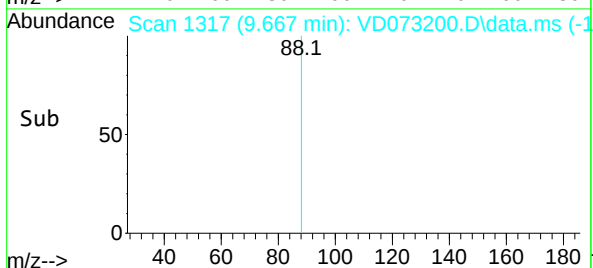
Tgt Ion:117 Resp: 7922
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.5 36.7#

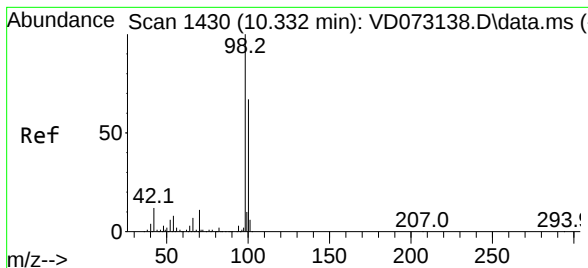


#49
1,4-Dioxane
Concen: 10.338 ug/l
RT: 9.667 min Scan# 1317
Delta R.T. 0.217 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13



Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

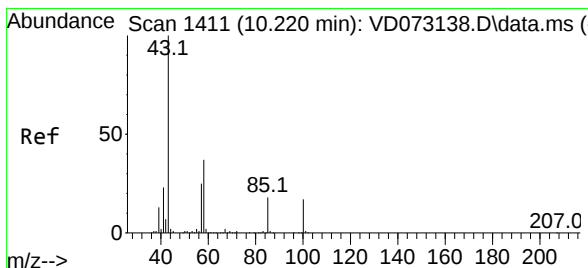
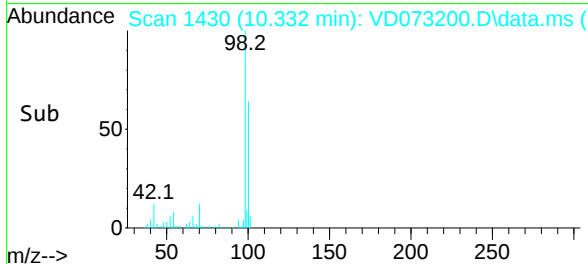
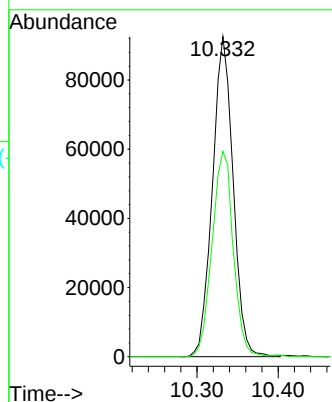
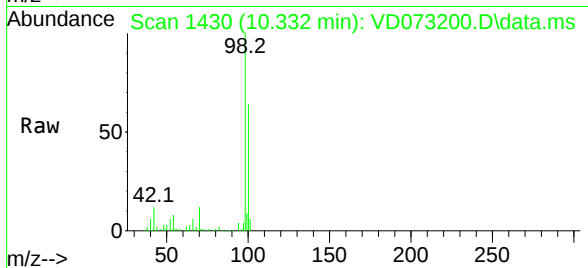




#50
Toluene-d8
Concen: 51.721 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

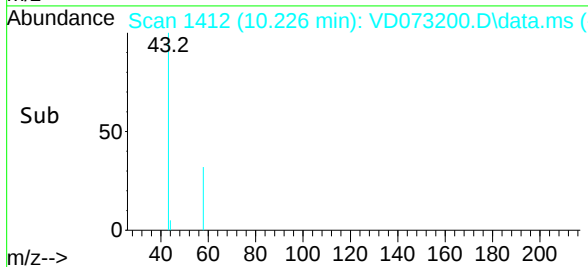
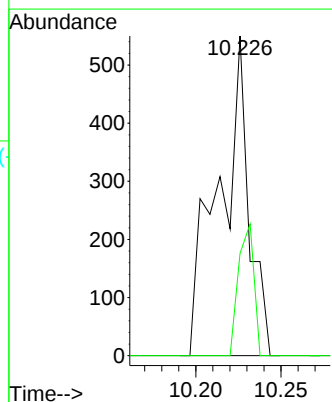
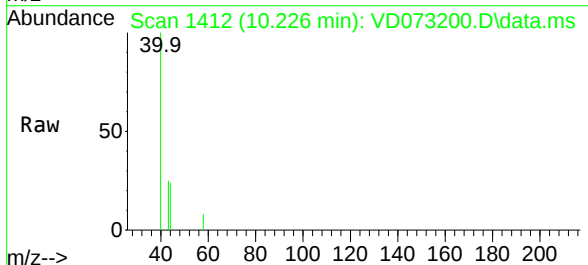
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

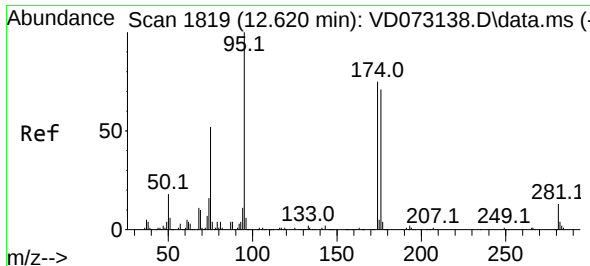
Tgt Ion: 98 Resp: 163834
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.377 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
58 21.0 28.6 43.0#

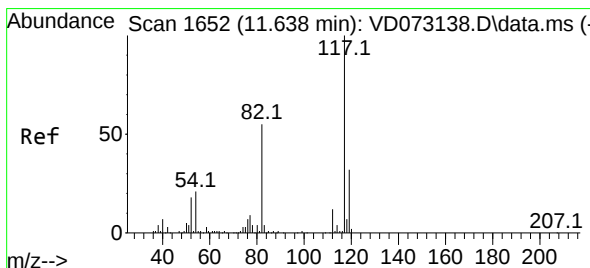
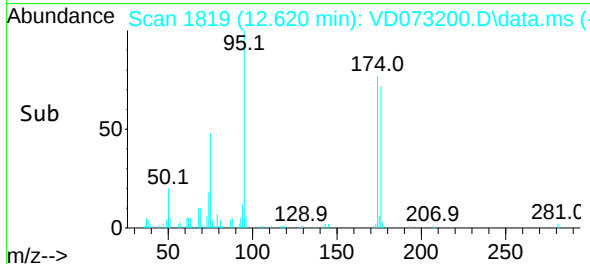
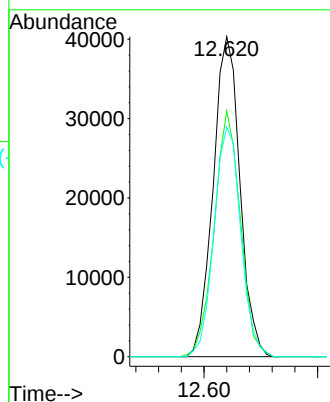
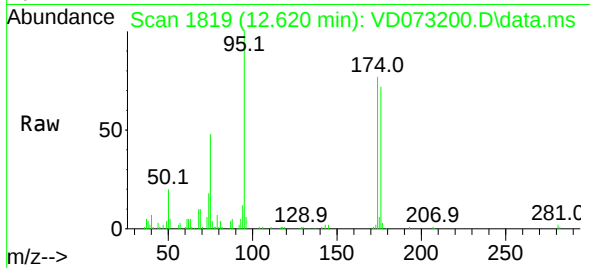




#62
4-Bromofluorobenzene
Concen: 59.393 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

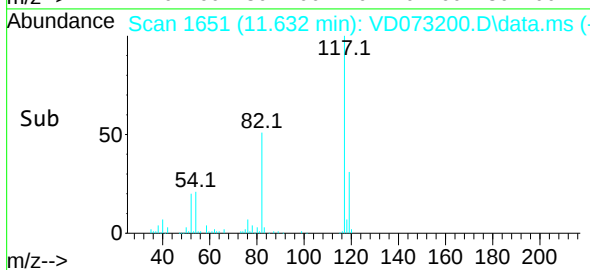
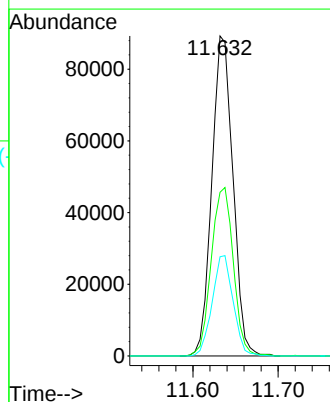
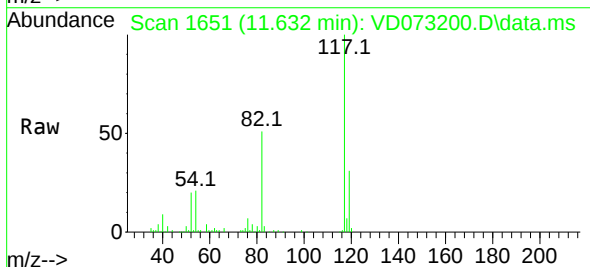
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

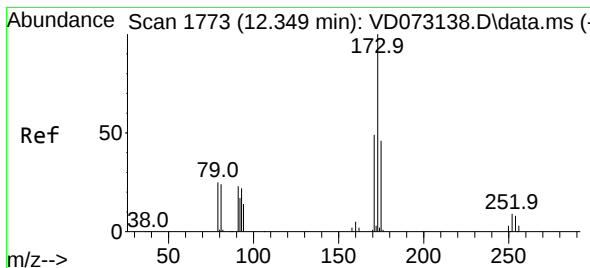
Tgt Ion:	95	Resp:	66024
Ion Ratio	Lower	Upper	
95	100		
174	75.0	0.0	152.8
176	71.7	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Tgt Ion:	117	Resp:	154075
Ion Ratio	Lower	Upper	
117	100		
82	51.2	45.3	67.9
119	31.0	26.6	40.0





#71

Bromoform

Concen: 1.240 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073200.D

Acq: 20 May 2022 23:13

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-0612-01

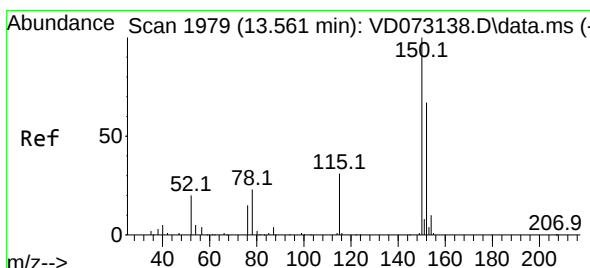
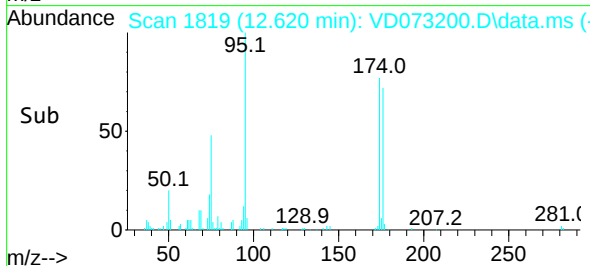
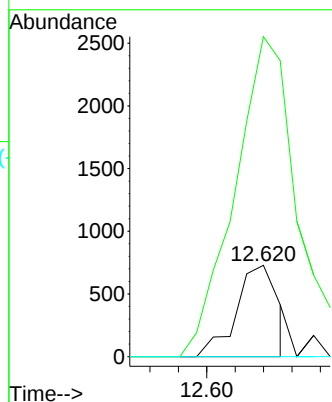
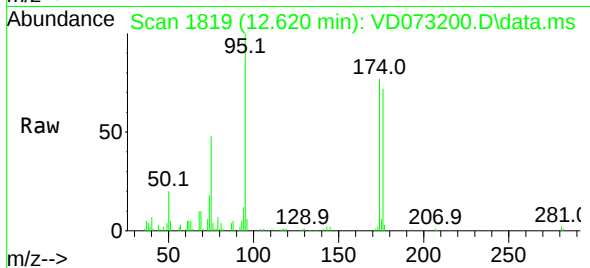
Tgt Ion:173 Resp: 748

Ion Ratio Lower Upper

173 100

175 413.0 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: VD073200.D

Acq: 20 May 2022 23:13

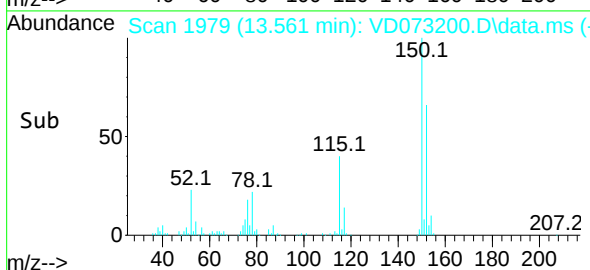
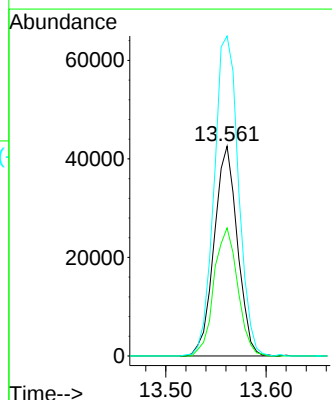
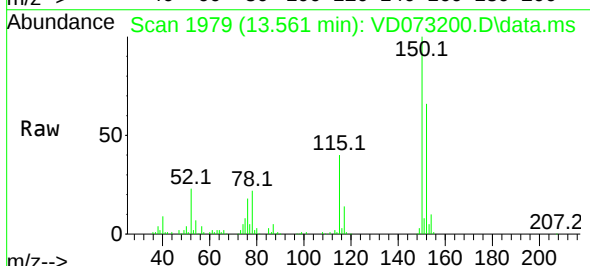
Tgt Ion:152 Resp: 68641

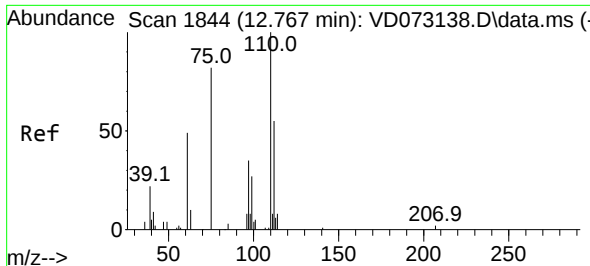
Ion Ratio Lower Upper

152 100

115 62.0 31.3 93.8

150 159.2 0.0 348.6

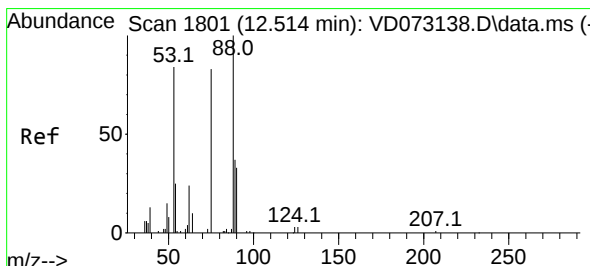
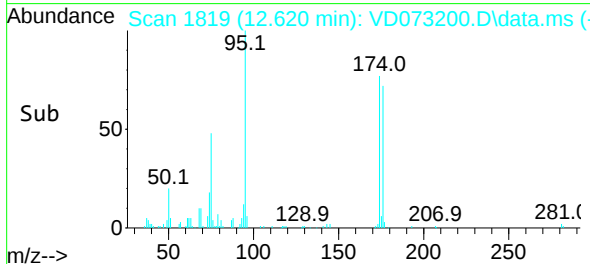
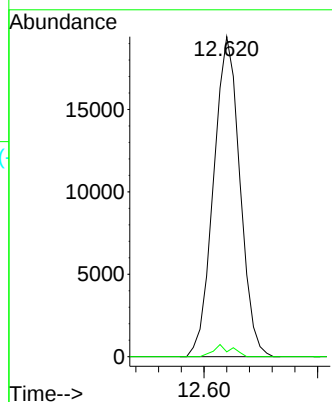
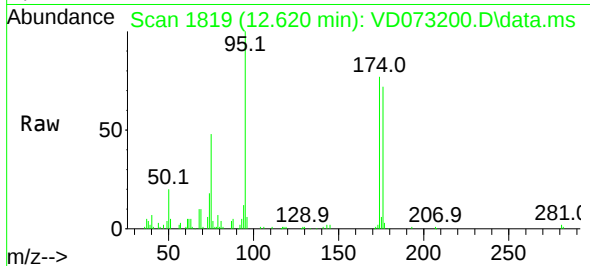




#76
1,2,3-Trichloropropane
Concen: 46.457 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

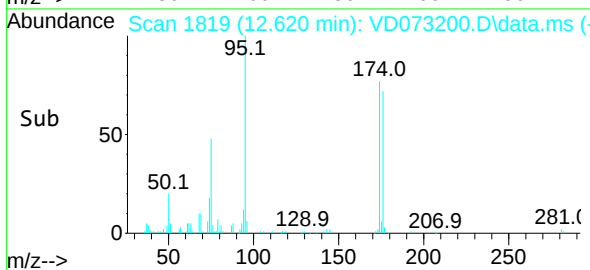
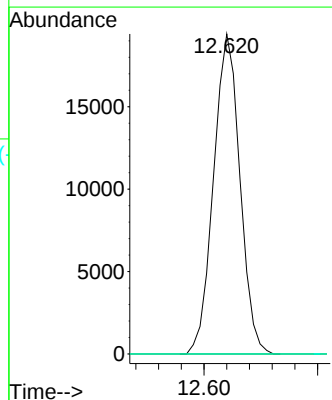
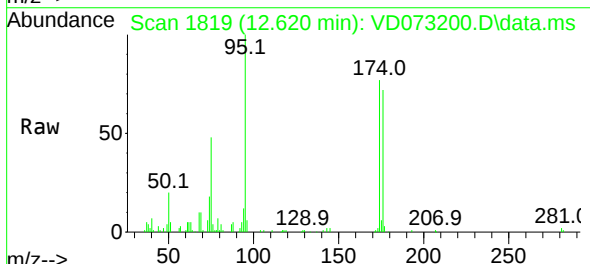
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-0612-01

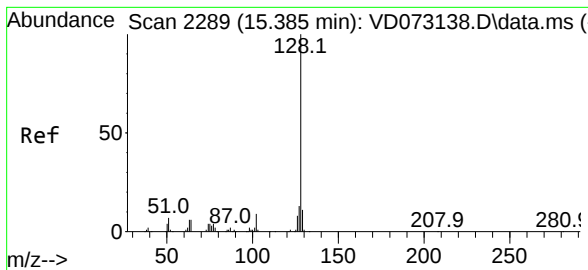
Tgt Ion: 75 Resp: 31288
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.528 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073200.D
Acq: 20 May 2022 23:13

Tgt Ion: 75 Resp: 31288
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 3.572 ug/l
 RT: 15.396 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VD073200.D
 Acq: 20 May 2022 23:13

Instrument : MSVOA_D
 ClientSampleId : P004-SS002-0612-01

Tgt Ion:	128	Resp:	74
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

