

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073153.D
 Acq On : 19 May 2022 22:12
 Operator : VA/SY
 Sample : N2842-01
 Misc : 4.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P009-SS003-2430-02

Quant Time: May 20 01:51:31 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)

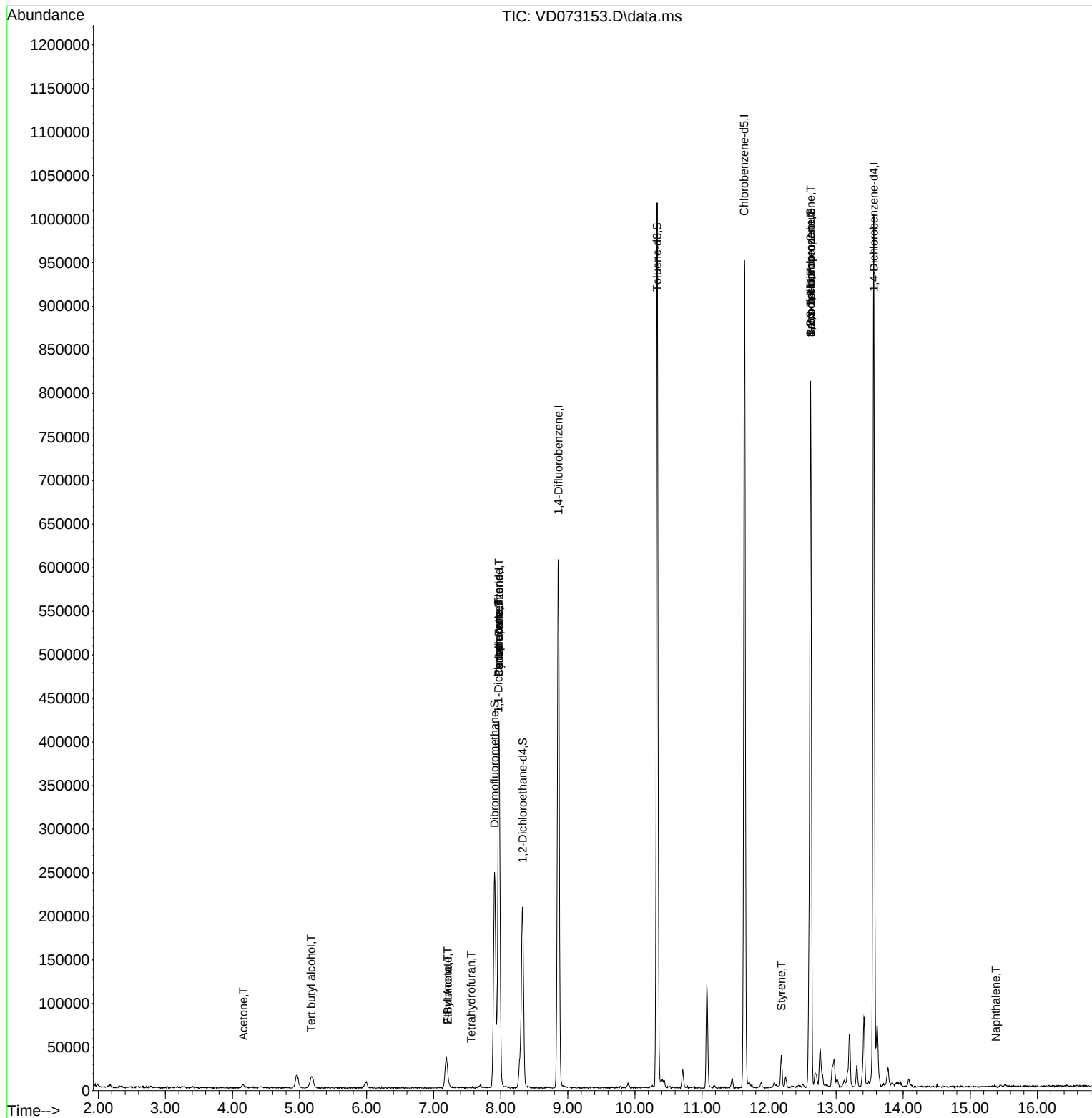
Internal Standards						
1) Pentafluorobenzene	7.973	168	300240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	549113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163171	49.176	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.360%
35) Dibromofluoromethane	7.908	113	177164	51.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.200%
50) Toluene-d8	10.332	98	654373	51.200	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.400%
62) 4-Bromofluorobenzene	12.620	95	259609	57.881	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.760%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	618	Below Cal		91
11) Tert butyl alcohol	5.173	59	5821	11.307	ug/l #	74
16) Acetone	4.162	43	7132	12.409	ug/l #	84
20) Methylene Chloride	4.962	84	12381	Below Cal	#	83
25) 2-Butanone	7.208	43	2667	3.172	ug/l #	52
29) Tetrahydrofuran	7.561	42	699	1.286	ug/l #	52
31) Cyclohexane	7.973	56	7159	1.235	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	26292	5.042	ug/l #	51
37) Ethyl Acetate	7.208	43	2667	1.295	ug/l #	1
38) Carbon Tetrachloride	7.973	117	33011	6.245	ug/l #	17
70) Styrene	12.185	104	17847	1.470	ug/l	92
71) Bromoform	12.620	173	2185	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	129486	50.346	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	129486	120.865	ug/l #	7
95) Naphthalene	15.384	128	78	3.550	ug/l #	70

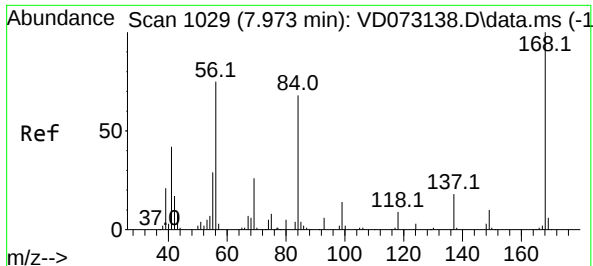
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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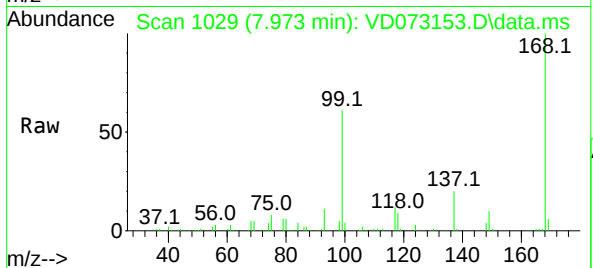
Quant Time: May 20 01:51:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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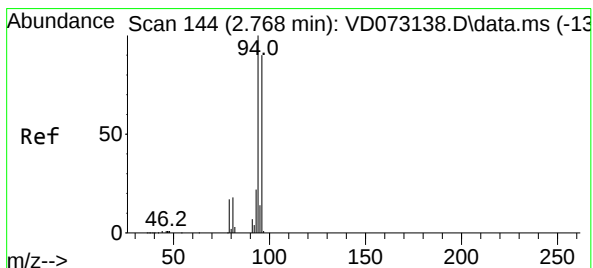
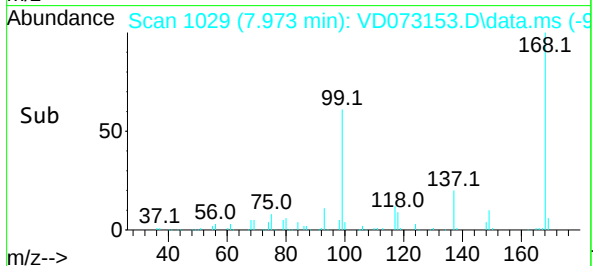
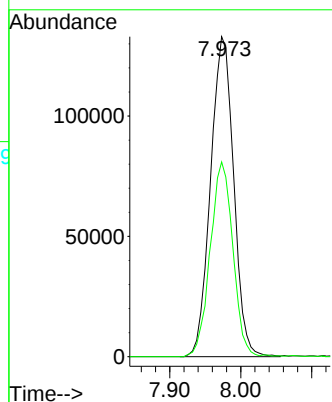


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Instrument :
MSVOA_D
ClientSampleId :
P009-SS003-2430-02

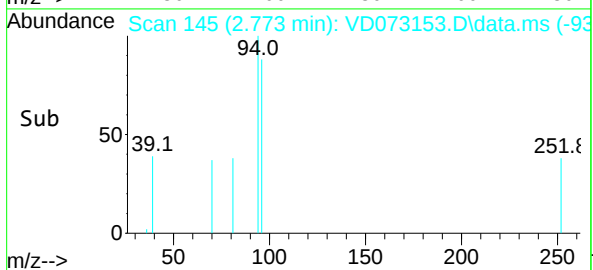
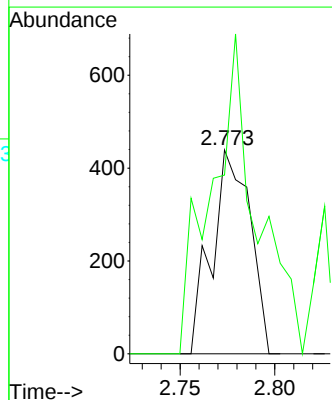
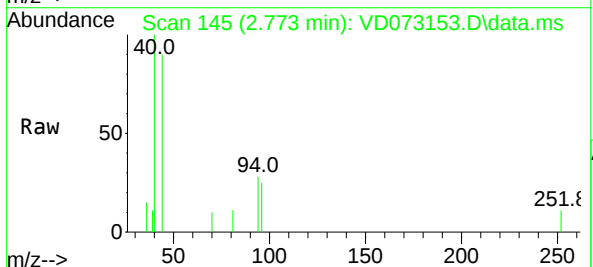


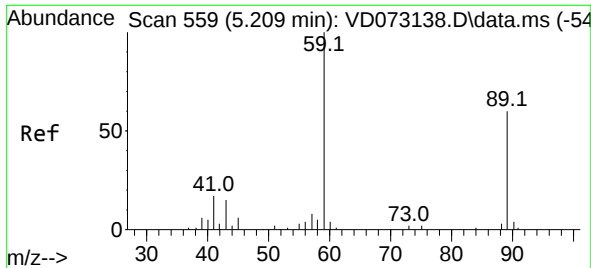
Tgt Ion:168 Resp: 300240
Ion Ratio Lower Upper
168 100
99 60.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 87.7 77.6 116.4

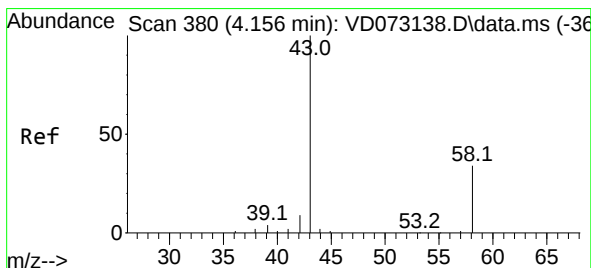
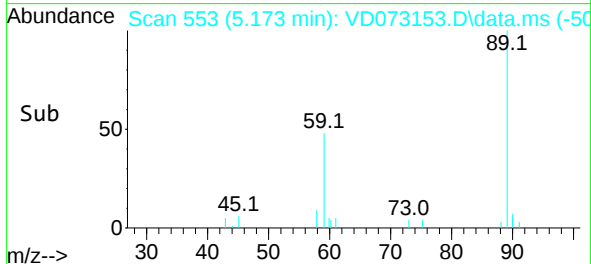
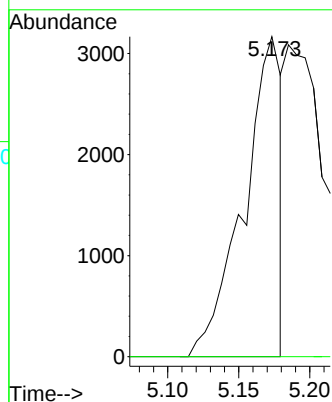
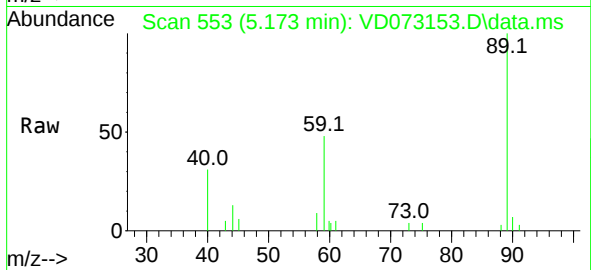




#11
Tert butyl alcohol
Concen: 11.307 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

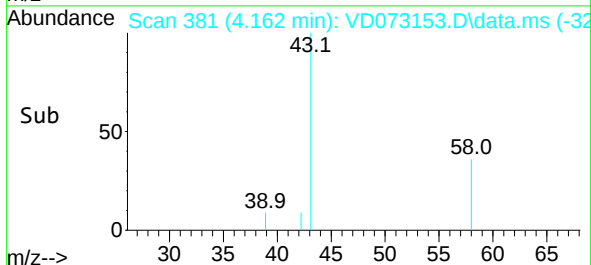
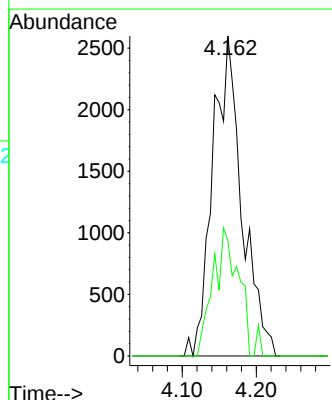
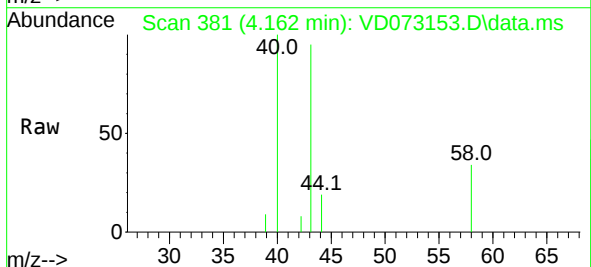
Instrument :
MSVOA_D
ClientSampleId :
P009-SS003-2430-02

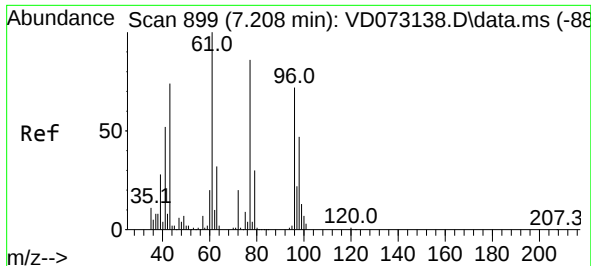
Tgt Ion: 59 Resp: 5821
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 12.409 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Tgt Ion: 43 Resp: 7132
Ion Ratio Lower Upper
43 100
58 35.9 22.1 33.1#

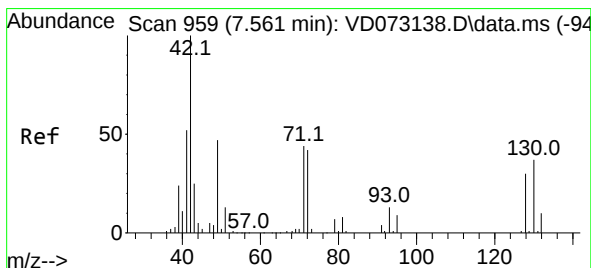
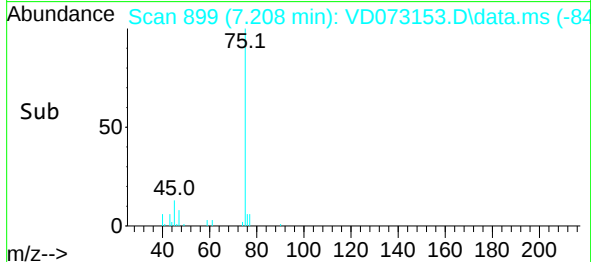
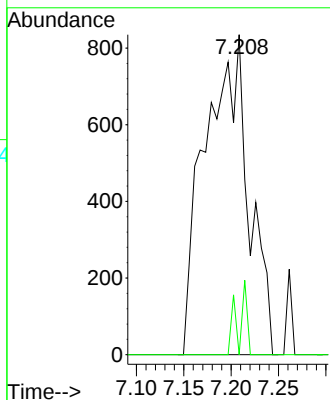
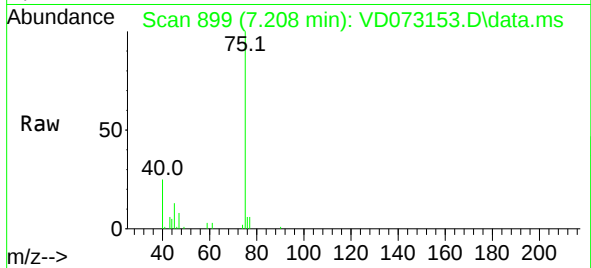




#25
2-Butanone
Concen: 3.172 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

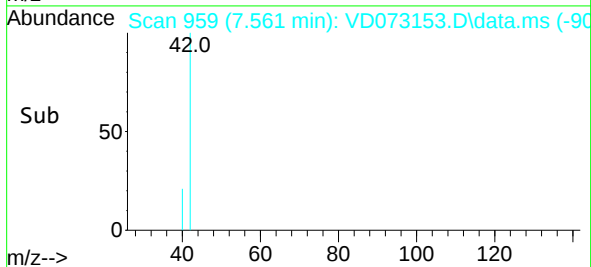
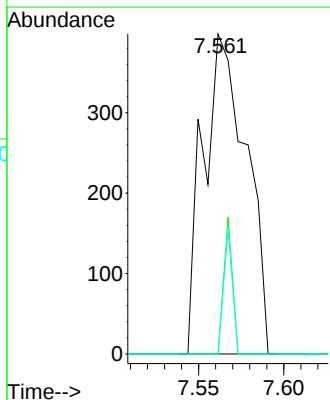
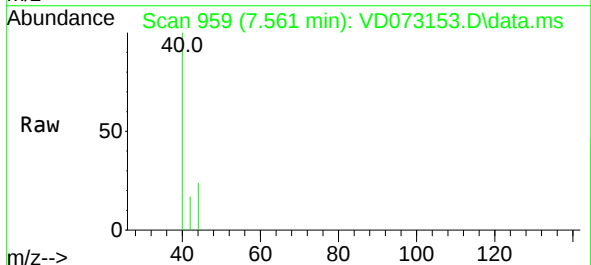
Instrument :
MSVOA_D
ClientSampleId :
P009-SS003-2430-02

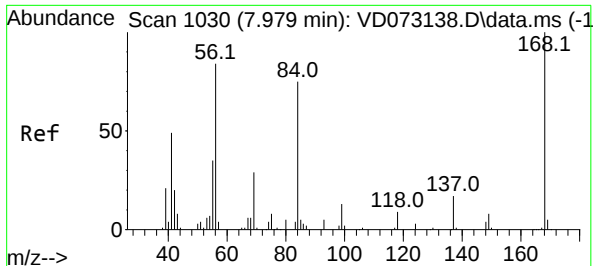
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.286 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

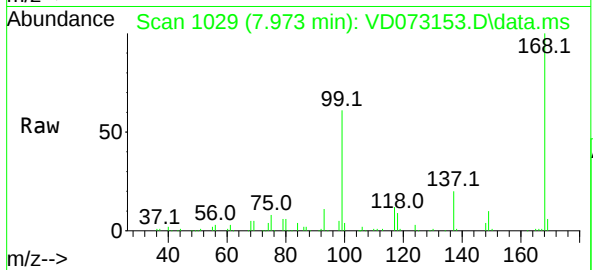
Tgt Ion: 42 Resp: 699
Ion Ratio Lower Upper
42 100
72 8.6 30.7 46.1#
71 7.9 28.6 43.0#



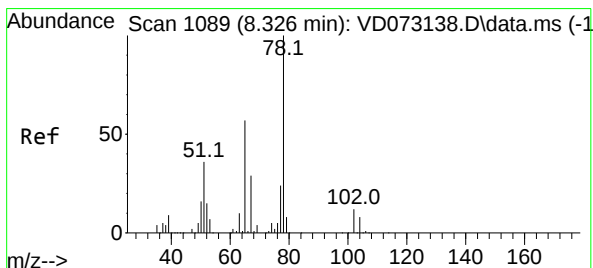
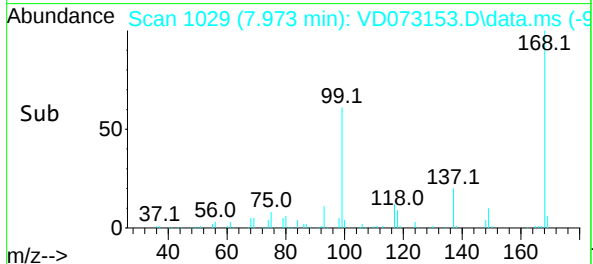
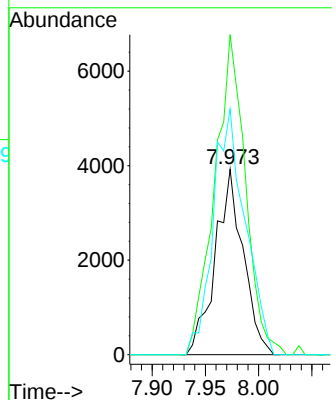


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Instrument :
MSVOA_D
ClientSampleId :
P009-SS003-2430-02

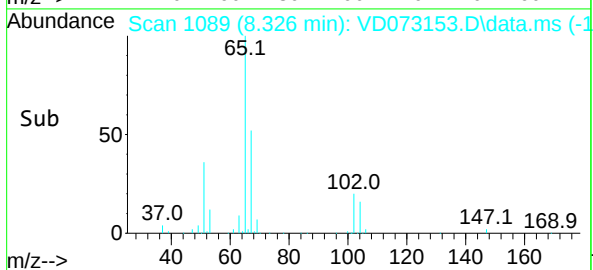
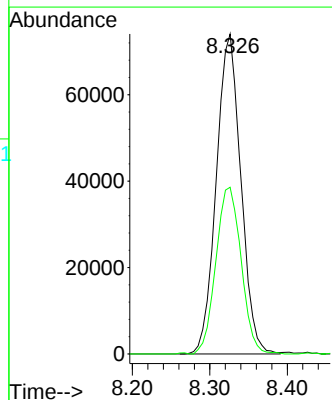
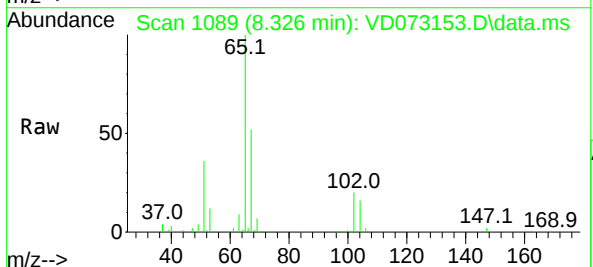


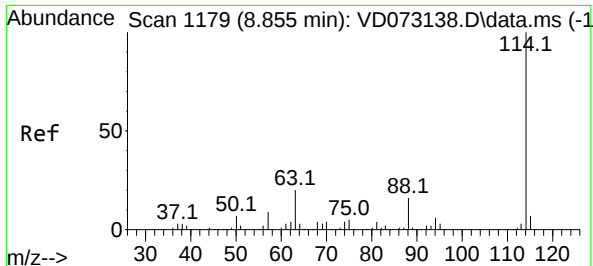
Tgt Ion: 56 Resp: 7159
Ion Ratio Lower Upper
56 100
69 172.6 25.4 38.2#
84 132.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 49.176 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Tgt Ion: 65 Resp: 163171
Ion Ratio Lower Upper
65 100
67 53.6 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: VD073153.D

Acq: 19 May 2022 22:12

Instrument :

MSVOA_D

ClientSampleId :

P009-SS003-2430-02

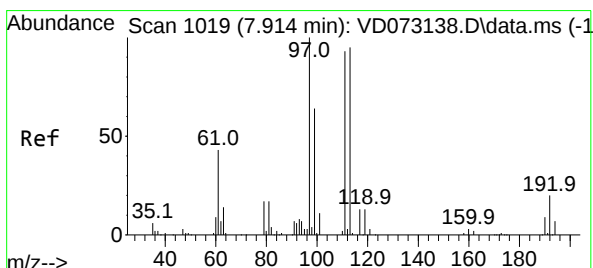
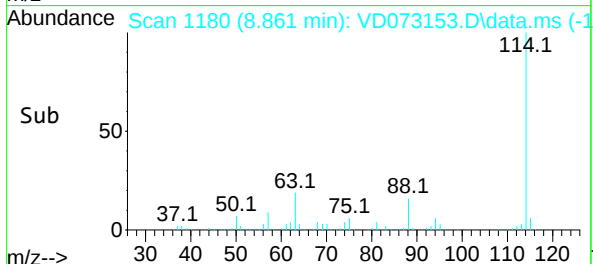
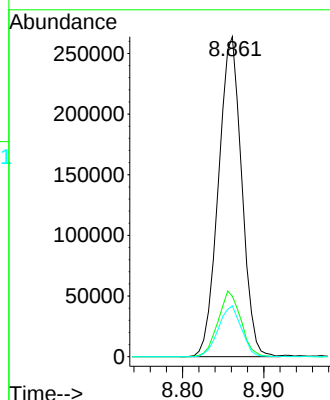
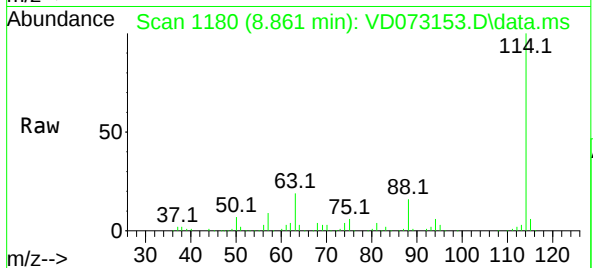
Tgt Ion:114 Resp: 525425

Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.099 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073153.D

Acq: 19 May 2022 22:12

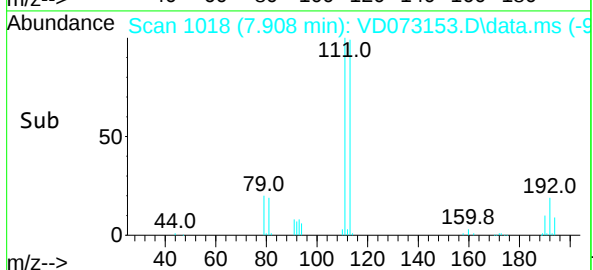
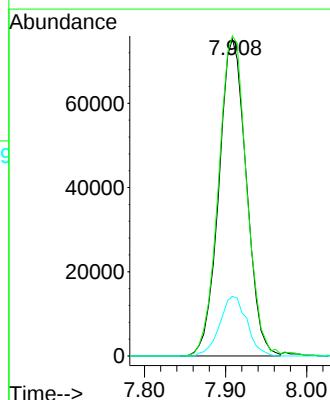
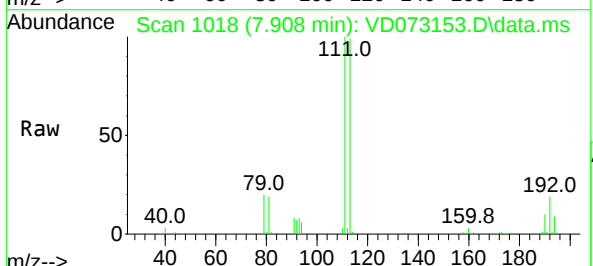
Tgt Ion:113 Resp: 177164

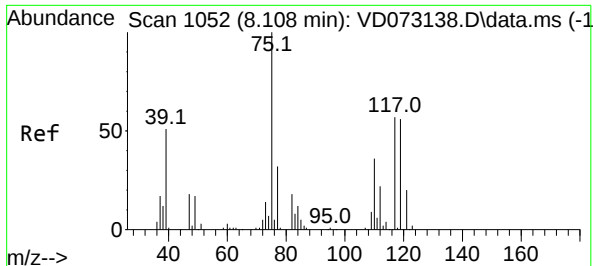
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.042 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073153.D

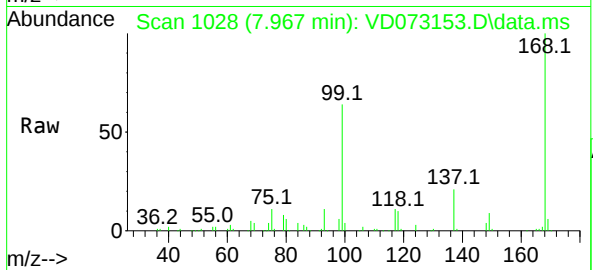
Acq: 19 May 2022 22:12

Instrument :

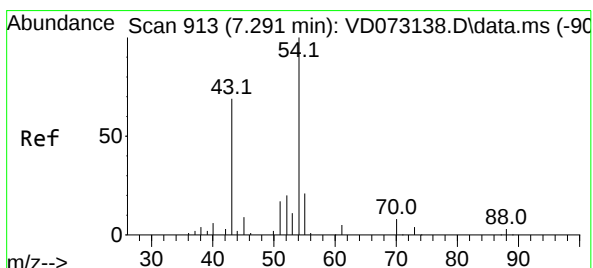
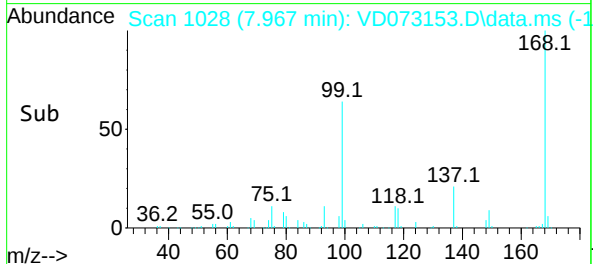
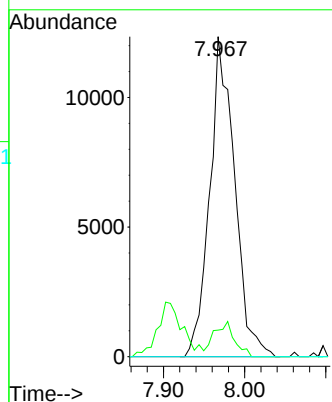
MSVOA_D

ClientSampleId :

P009-SS003-2430-02



Tgt Ion:	75	Resp:	26292
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 1.295 ug/l

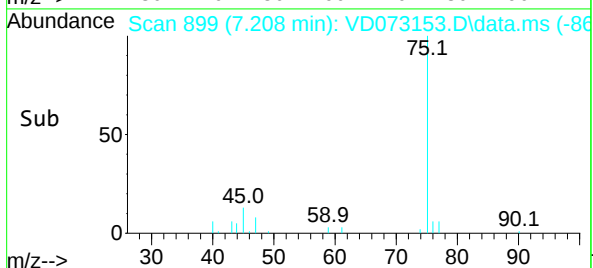
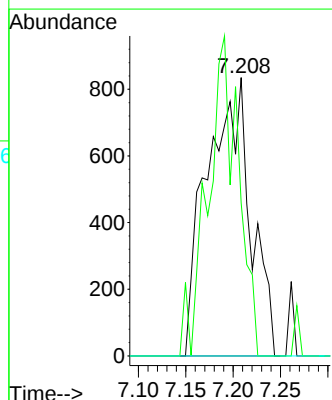
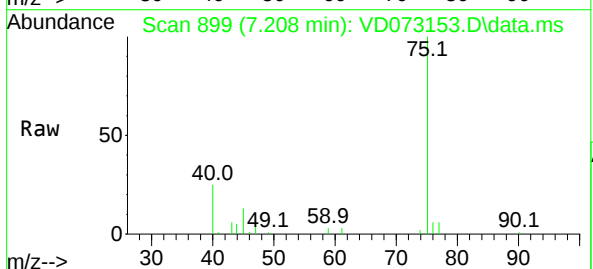
RT: 7.208 min Scan# 899

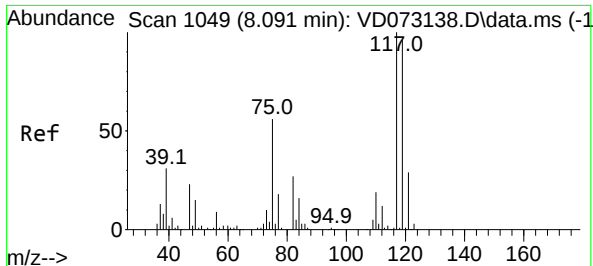
Delta R.T. -0.083 min

Lab File: VD073153.D

Acq: 19 May 2022 22:12

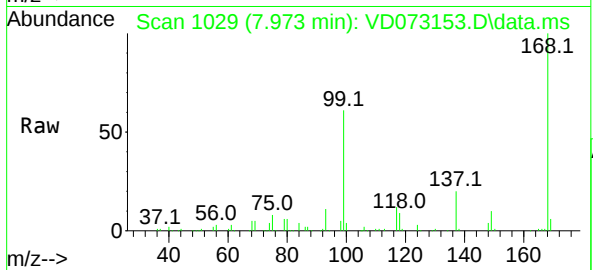
Tgt Ion:	43	Resp:	2667
Ion	Ratio	Lower	Upper
43	100		
61	80.3	9.8	14.8#
70	0.0	6.9	10.3#



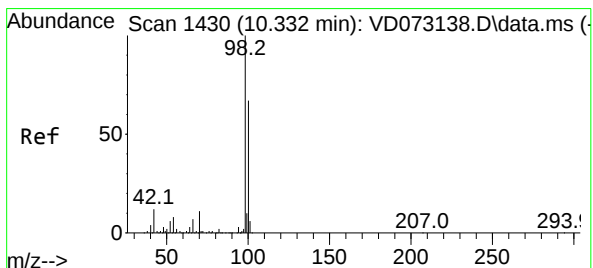
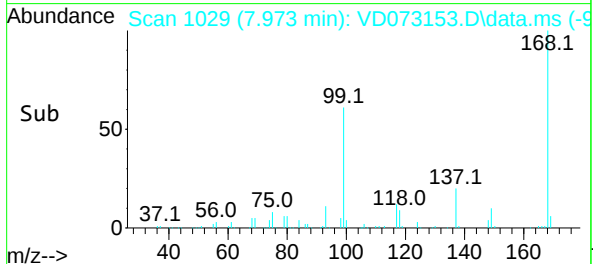
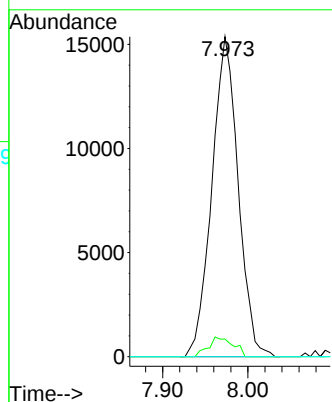


#38
Carbon Tetrachloride
Concen: 6.245 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

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P009-SS003-2430-02

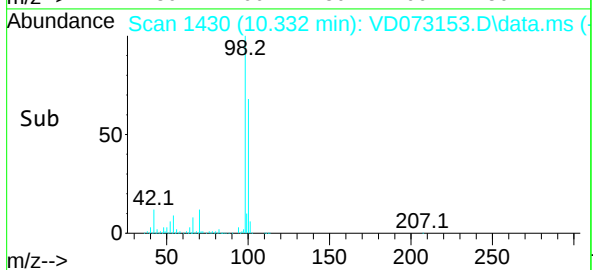
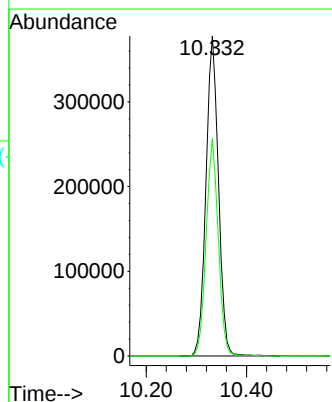
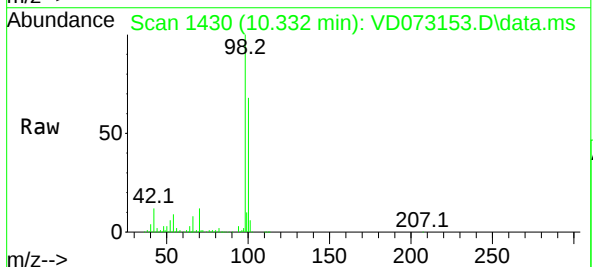


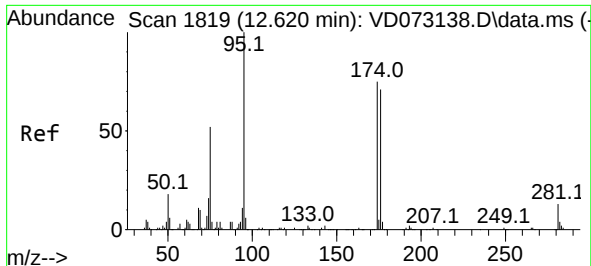
Tgt Ion:117 Resp: 33011
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.200 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Tgt Ion: 98 Resp: 654373
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

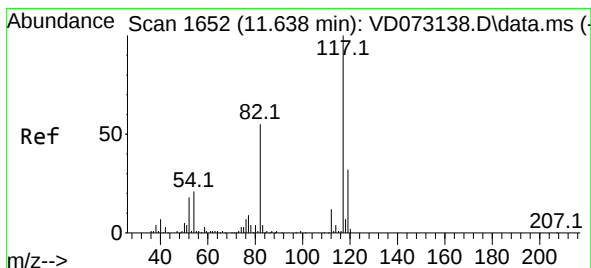
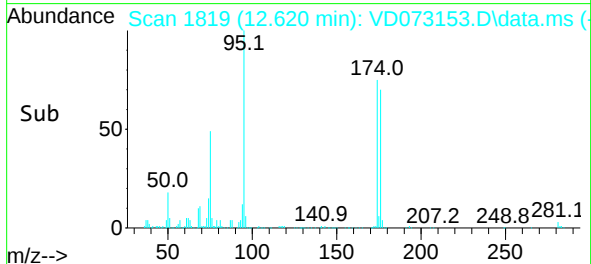
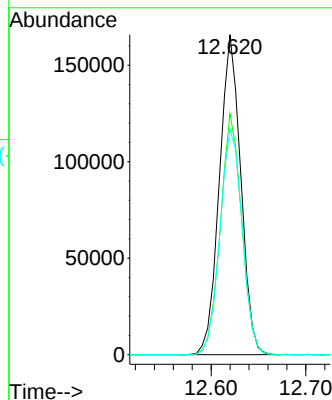
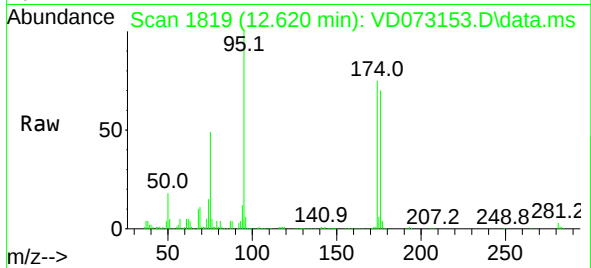




#62
4-Bromofluorobenzene
Concen: 57.881 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

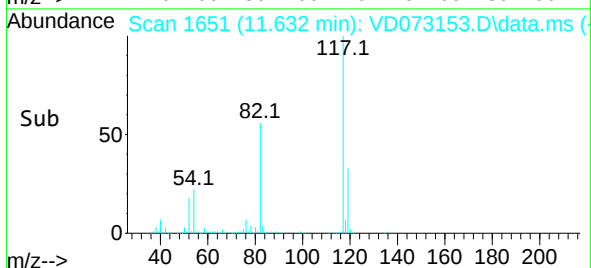
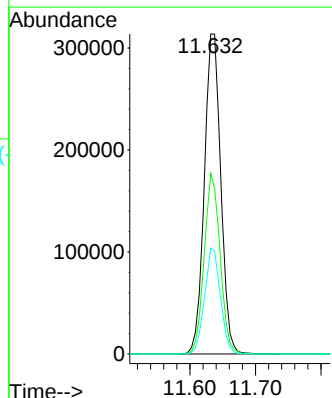
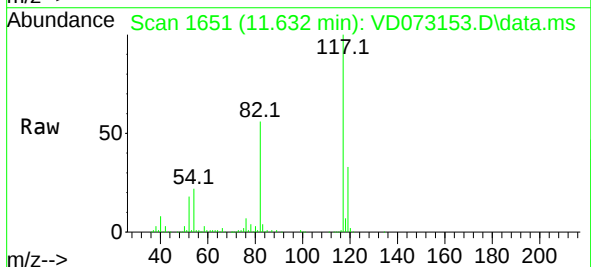
Instrument :
MSVOA_D
ClientSampleId :
P009-SS003-2430-02

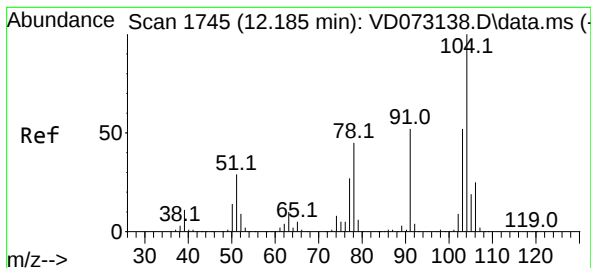
Tgt Ion: 95 Resp: 259609
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 73.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Tgt Ion: 117 Resp: 549113
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 33.1 26.6 40.0





#70

Styrene

Concen: 1.470 ug/l

RT: 12.185 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073153.D

Acq: 19 May 2022 22:12

Instrument :

MSVOA_D

ClientSampleId :

P009-SS003-2430-02

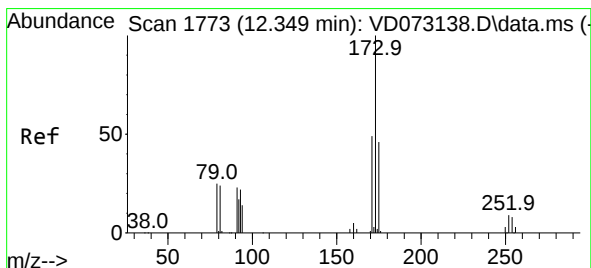
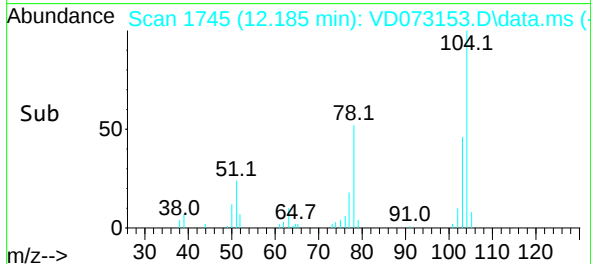
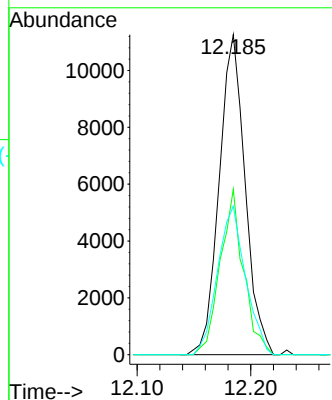
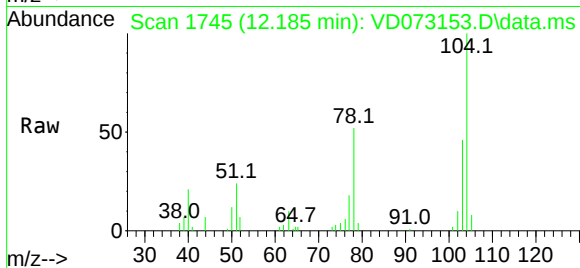
Tgt Ion:104 Resp: 17847

Ion Ratio Lower Upper

104 100

78 46.6 41.8 62.8

103 50.2 44.2 66.4



#71

Bromoform

Concen: 1.016 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073153.D

Acq: 19 May 2022 22:12

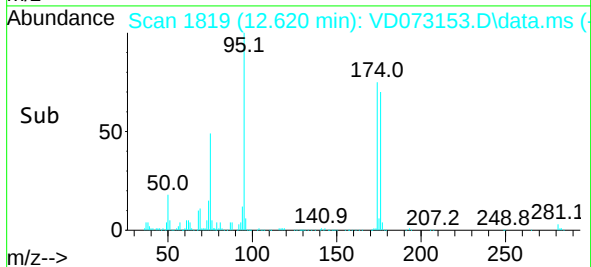
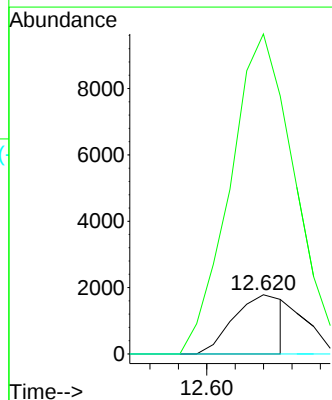
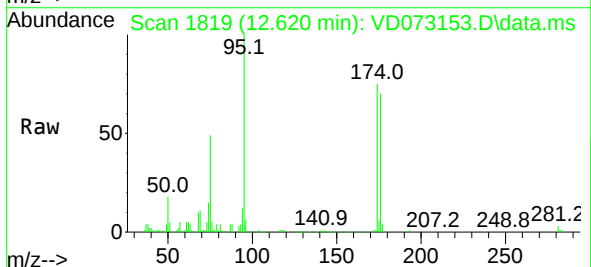
Tgt Ion:173 Resp: 2185

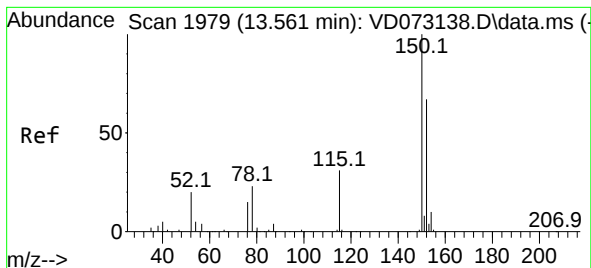
Ion Ratio Lower Upper

173 100

175 557.7 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: VD073153.D

Acq: 19 May 2022 22:12

Instrument :

MSVOA_D

ClientSampleId :

P009-SS003-2430-02

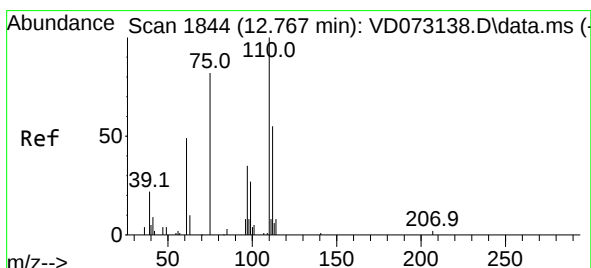
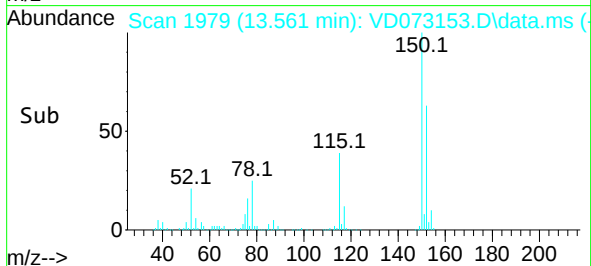
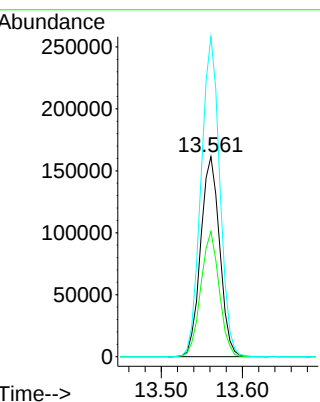
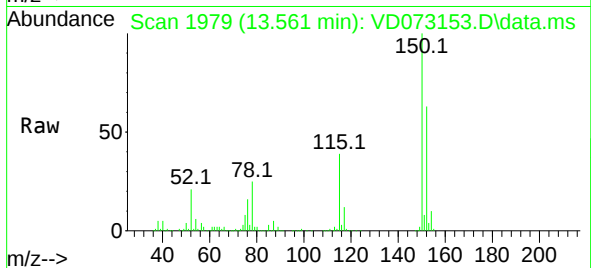
Tgt Ion:152 Resp: 262129

Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.8

150 157.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.346 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073153.D

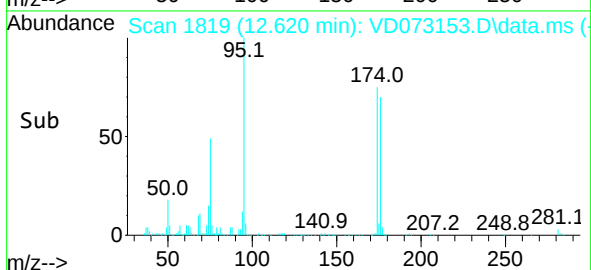
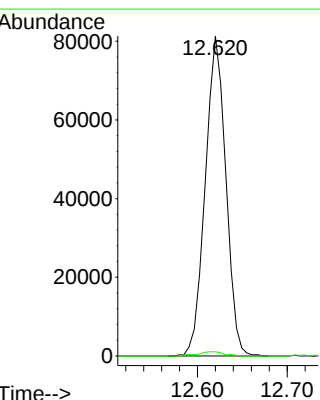
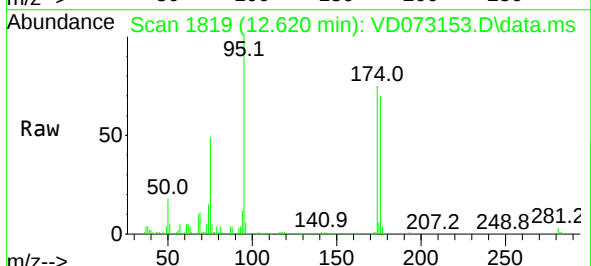
Acq: 19 May 2022 22:12

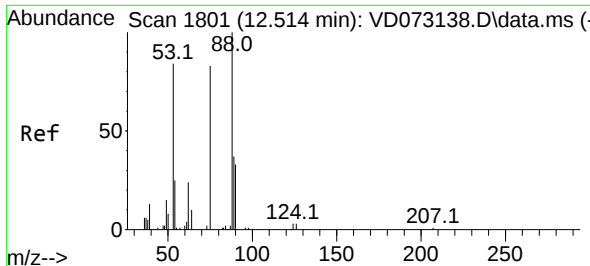
Tgt Ion: 75 Resp: 129486

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

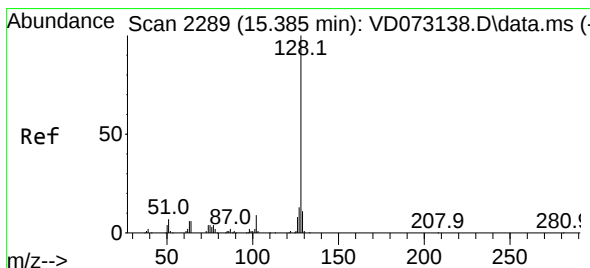
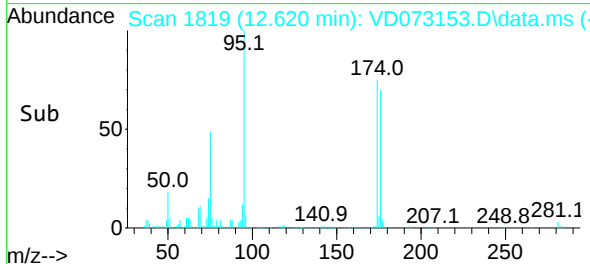
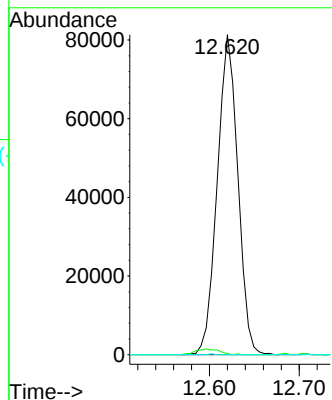
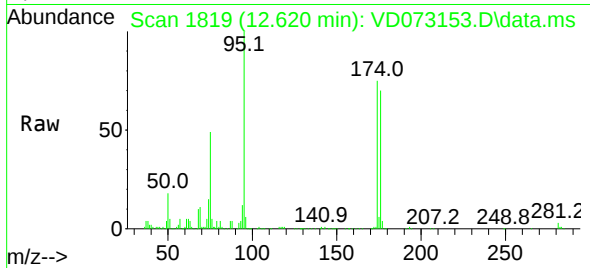




#81
trans-1,4-Dichloro-2-butene
Concen: 120.865 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Instrument :
MSVOA_D
ClientSampleId :
P009-SS003-2430-02

Tgt Ion: 75 Resp: 129486
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.550 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD073153.D
Acq: 19 May 2022 22:12

Tgt Ion: 128 Resp: 78
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

