

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073368.D
 Acq On : 25 May 2022 18:49
 Operator : VA/SY
 Sample : N2886-12
 Misc : 4.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS003-0006-01

Quant Time: May 26 02:26:19 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)

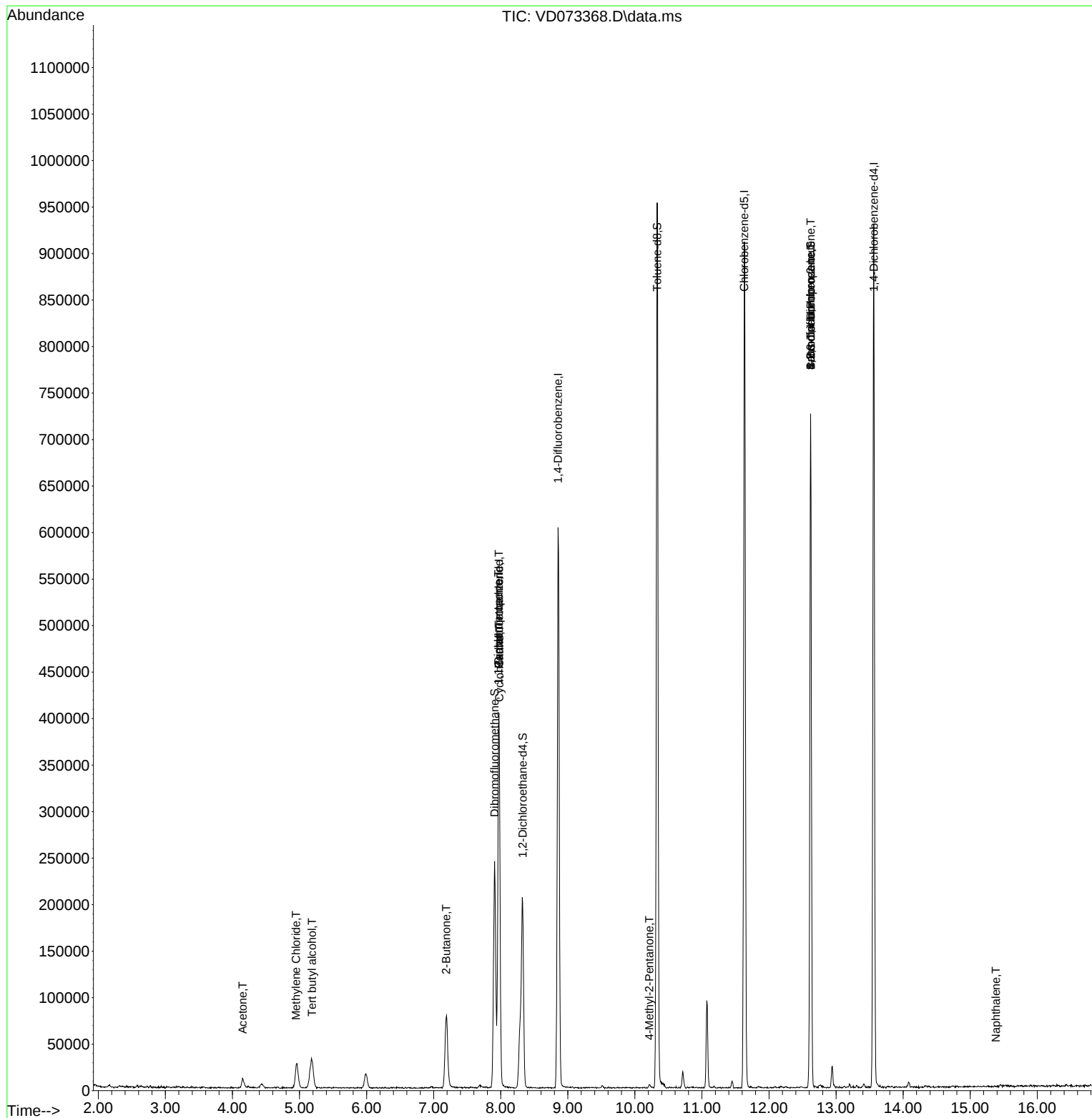
Internal Standards						
1) Pentafluorobenzene	7.973	168	292956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	520037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	547755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	155873	48.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.280%			
35) Dibromofluoromethane	7.909	113	174560	50.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.740%			
50) Toluene-d8	10.332	98	638094	50.444	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.620	95	236603	53.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.600%			
Target Compounds						
5) Bromomethane	2.779	94	678	Below Cal		87
11) Tert butyl alcohol	5.185	59	28987	57.707	ug/l #	75
16) Acetone	4.150	43	16655	29.700	ug/l #	87
20) Methylene Chloride	4.950	84	19552	1.634	ug/l #	80
25) 2-Butanone	7.185	43	2246	2.738	ug/l #	52
31) Cyclohexane	7.979	56	7100	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	25790	4.997	ug/l #	50
38) Carbon Tetrachloride	7.973	117	30617	5.852	ug/l #	17
51) 4-Methyl-2-Pentanone	10.214	43	2662	1.360	ug/l #	84
71) Bromoform	12.620	173	2218	1.034	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	115772	48.162	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	115772	115.621	ug/l #	7
95) Naphthalene	15.385	128	59	3.548	ug/l #	70

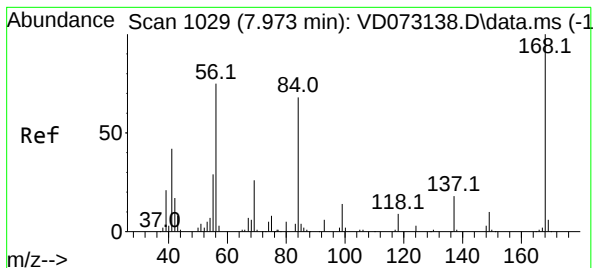
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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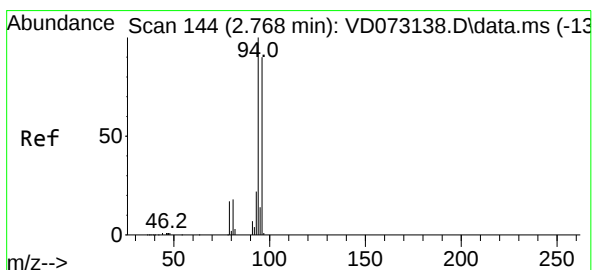
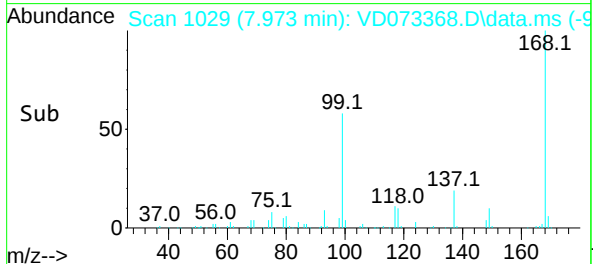
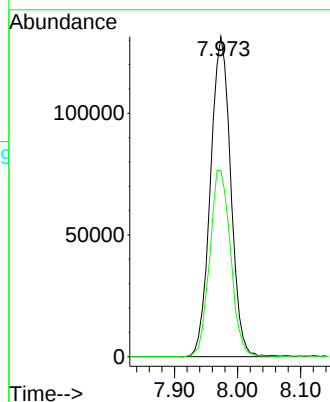
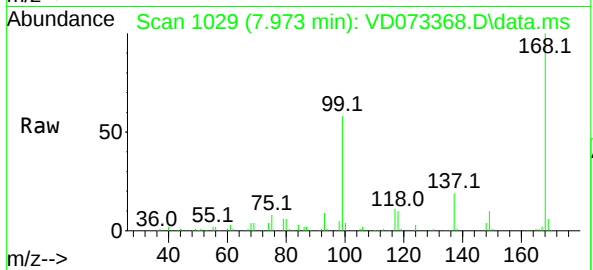




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

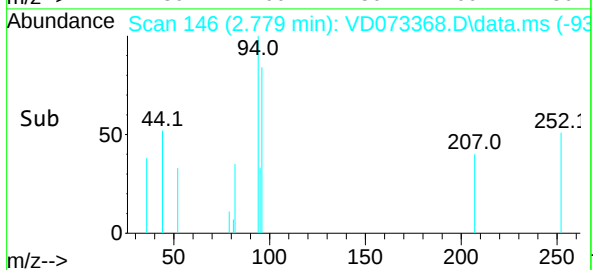
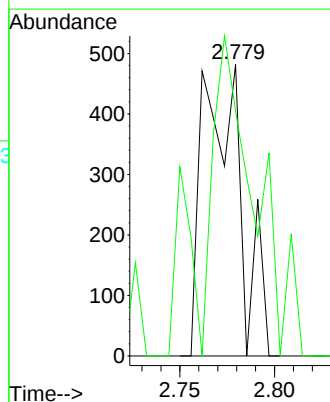
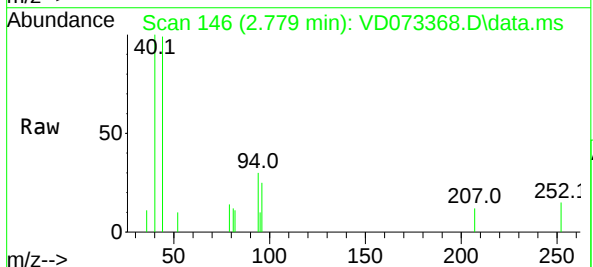
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0006-01

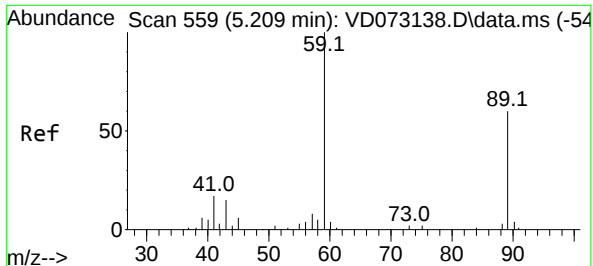
Tgt Ion:168 Resp: 292956
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 84.0 77.6 116.4

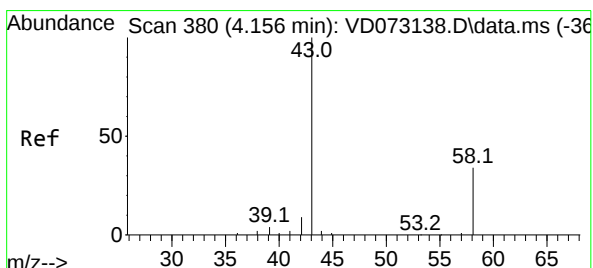
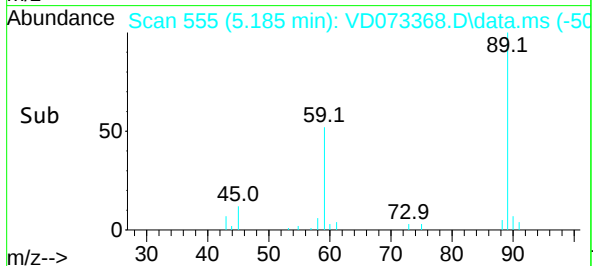
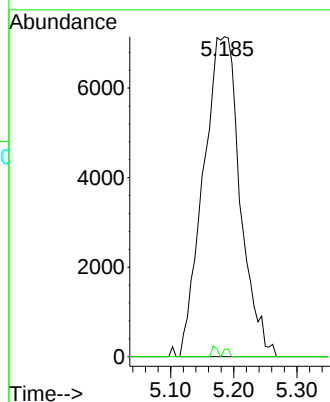
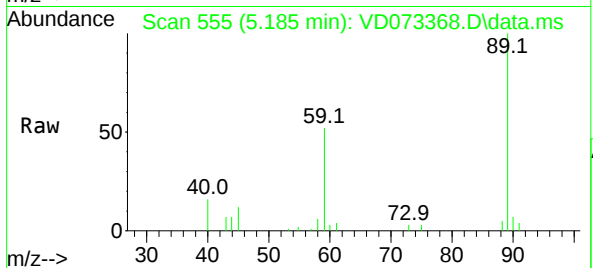




#11
Tert butyl alcohol
Concen: 57.707 ug/l
RT: 5.185 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

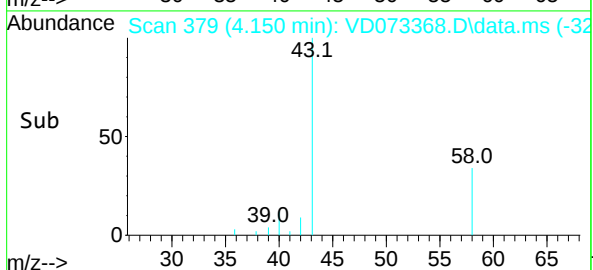
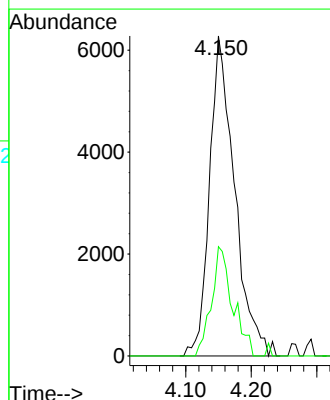
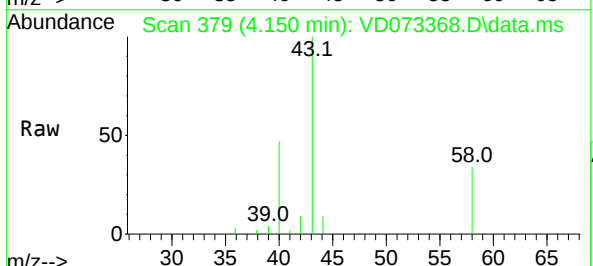
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0006-01

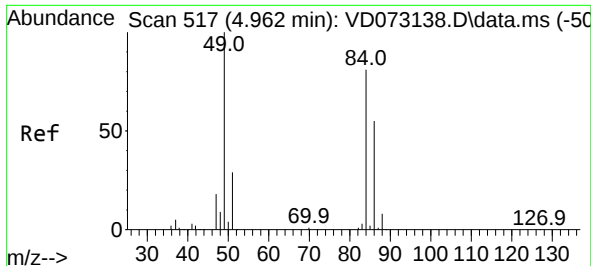
Tgt Ion: 59 Resp: 28987
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#16
Acetone
Concen: 29.700 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

Tgt Ion: 43 Resp: 16655
Ion Ratio Lower Upper
43 100
58 34.2 22.1 33.1#





#20

Methylene Chloride

Concen: 1.634 ug/l

RT: 4.950 min Scan# 517

Delta R.T. -0.012 min

Lab File: VD073368.D

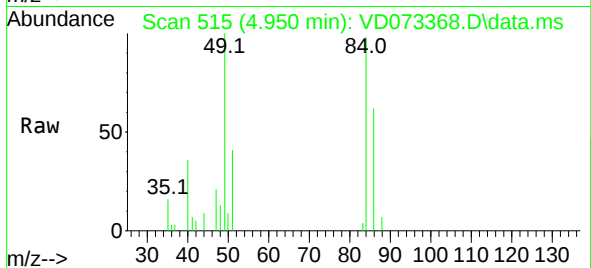
Acq: 25 May 2022 18:49

Instrument :

MSVOA_D

ClientSampleId :

P021-SS003-0006-01



Tgt Ion: 84 Resp: 19552

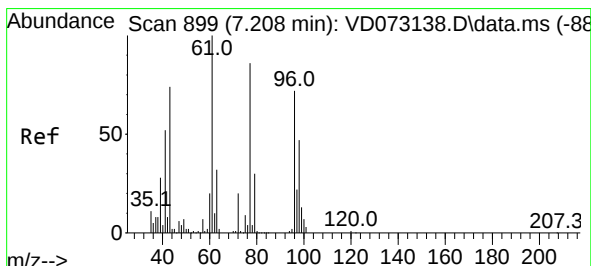
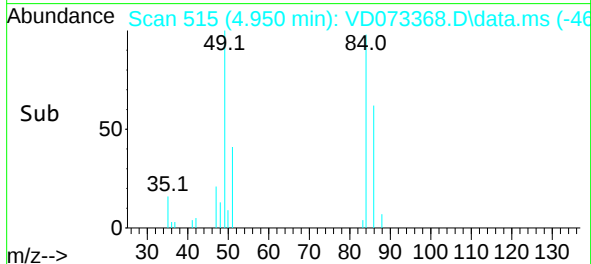
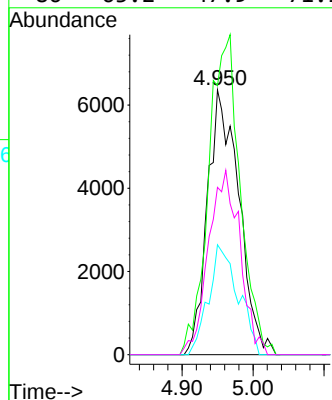
Ion Ratio Lower Upper

84 100

49 101.6 112.8 169.2#

51 41.5 32.6 48.8

86 63.2 47.9 71.9



#25

2-Butanone

Concen: 2.738 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.023 min

Lab File: VD073368.D

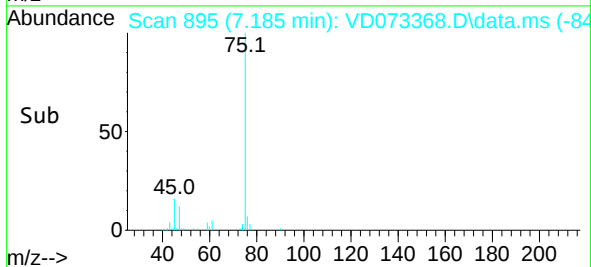
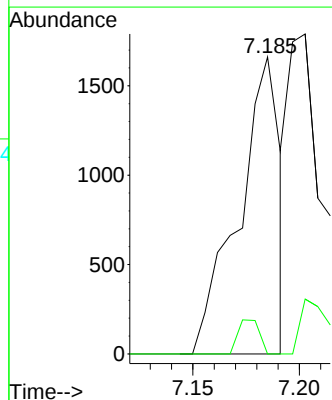
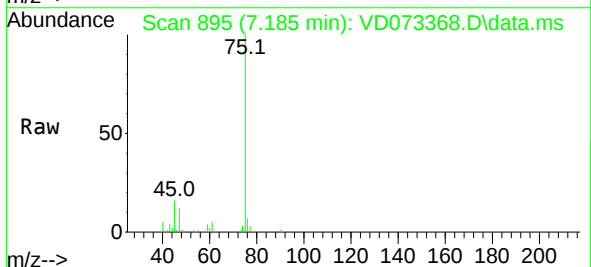
Acq: 25 May 2022 18:49

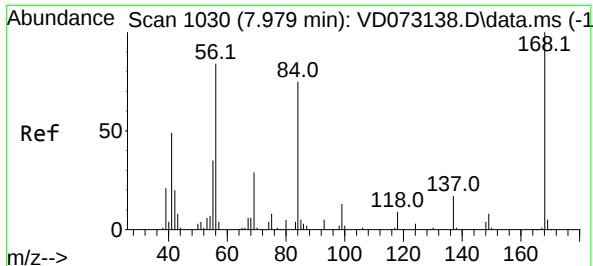
Tgt Ion: 43 Resp: 2246

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.255 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073368.D

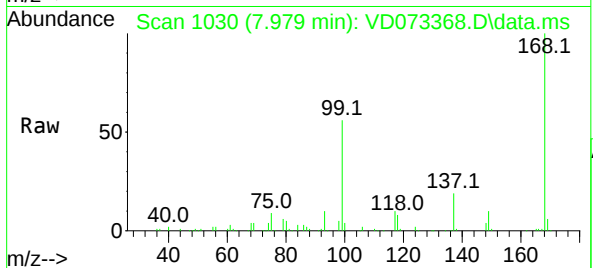
Acq: 25 May 2022 18:49

Instrument :

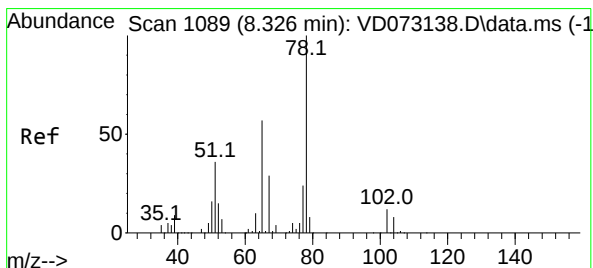
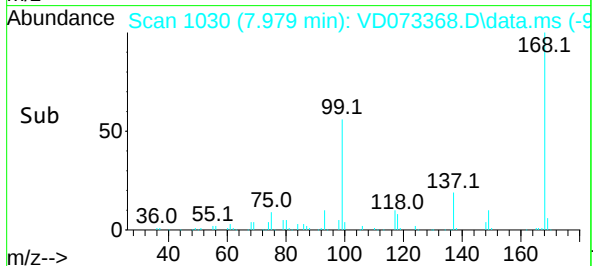
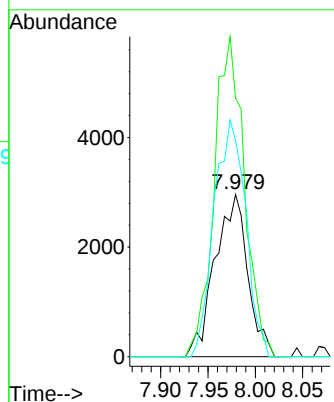
MSVOA_D

ClientSampleId :

P021-SS003-0006-01



Tgt Ion:	56	Resp:	7100
Ion Ratio	Lower	Upper	
56	100		
69	159.3	25.4	38.2#
84	133.1	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 48.145 ug/l

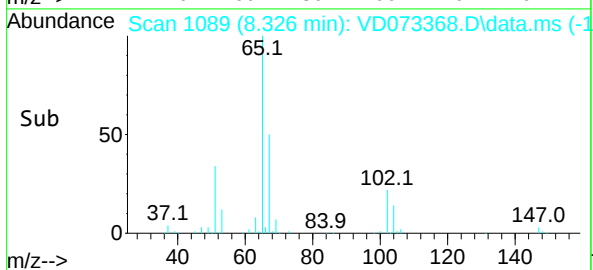
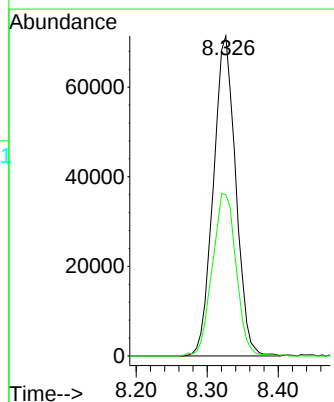
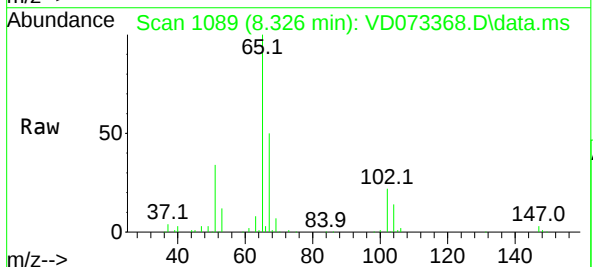
RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073368.D

Acq: 25 May 2022 18:49

Tgt Ion:	65	Resp:	155873
Ion Ratio	Lower	Upper	
65	100		
67	54.0	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: VD073368.D

Acq: 25 May 2022 18:49

Instrument :

MSVOA_D

ClientSampleId :

P021-SS003-0006-01

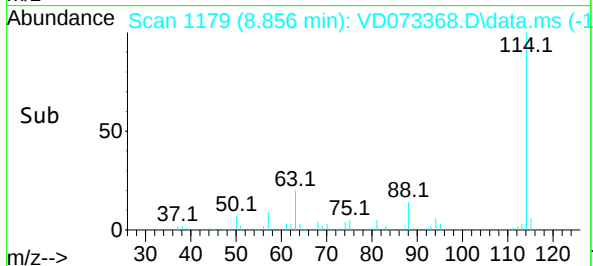
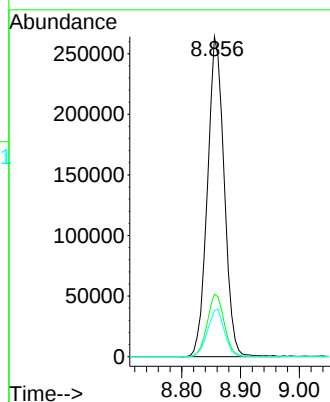
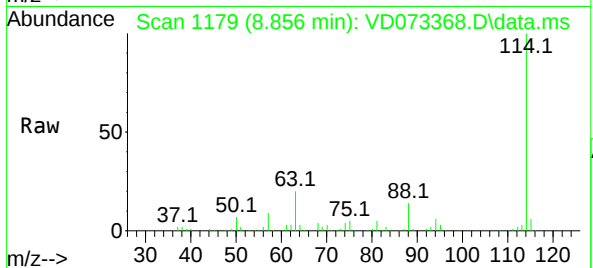
Tgt Ion:114 Resp: 520037

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 14.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.869 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073368.D

Acq: 25 May 2022 18:49

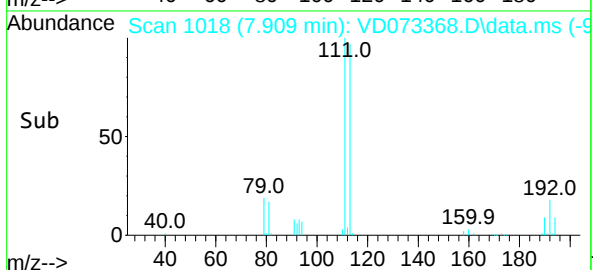
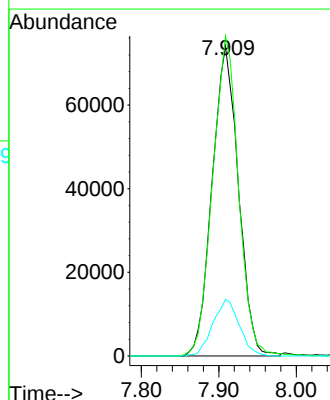
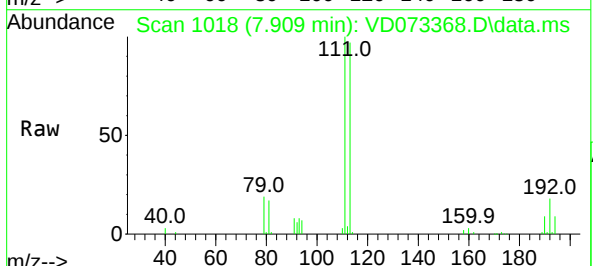
Tgt Ion:113 Resp: 174560

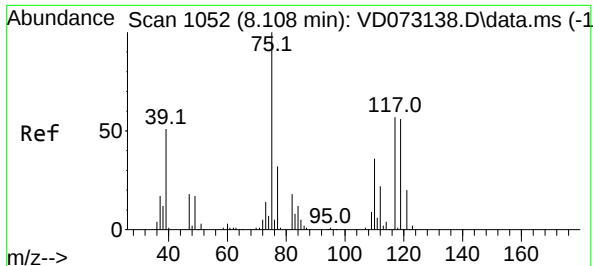
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.997 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073368.D

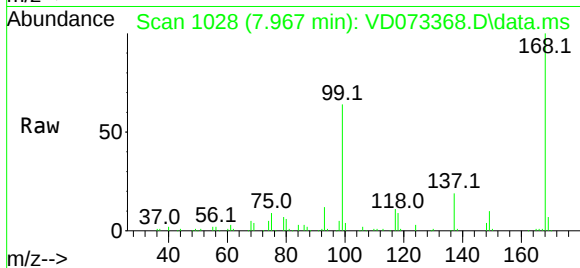
Acq: 25 May 2022 18:49

Instrument :

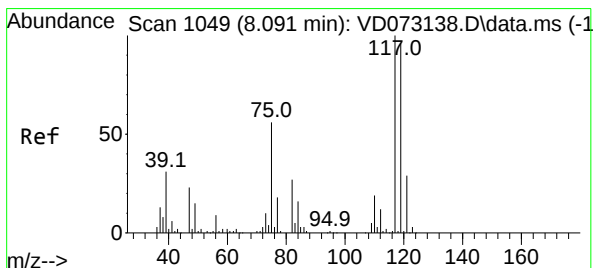
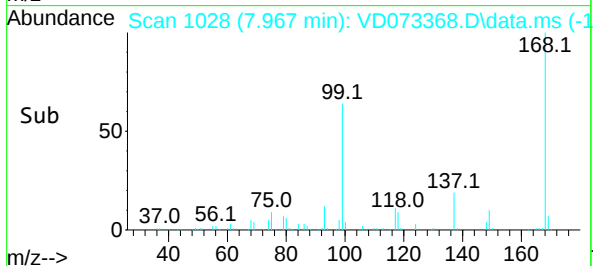
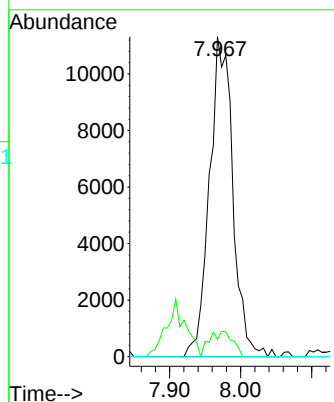
MSVOA_D

ClientSampleId :

P021-SS003-0006-01



Tgt Ion:	75	Resp:	25790
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.852 ug/l

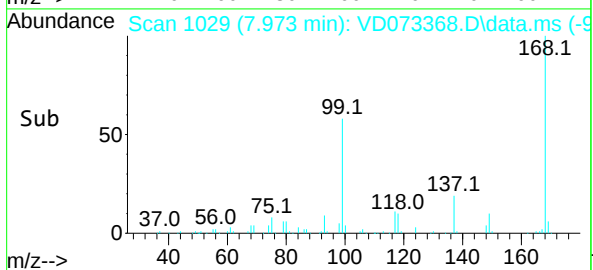
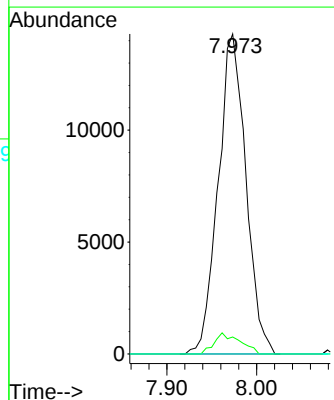
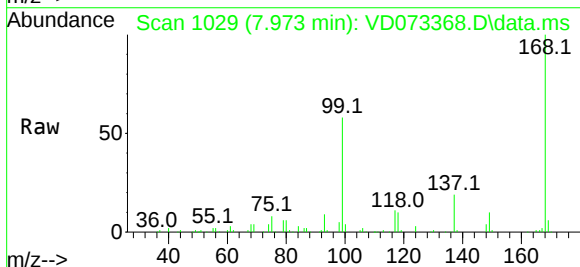
RT: 7.973 min Scan# 1029

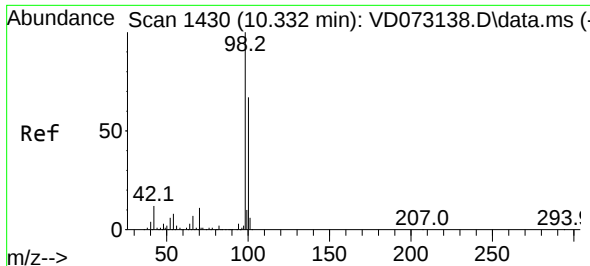
Delta R.T. -0.118 min

Lab File: VD073368.D

Acq: 25 May 2022 18:49

Tgt Ion:	117	Resp:	30617
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.8	113.6#
121	0.0	24.5	36.7#

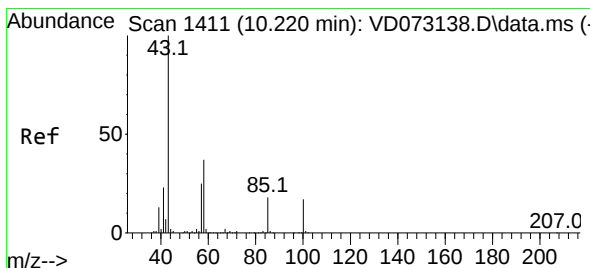
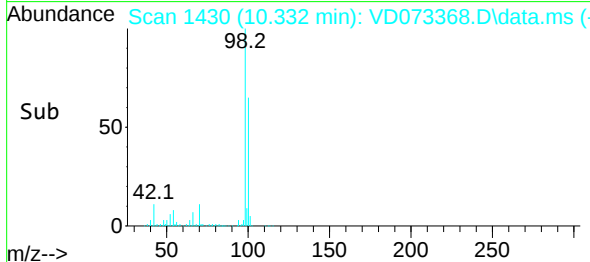
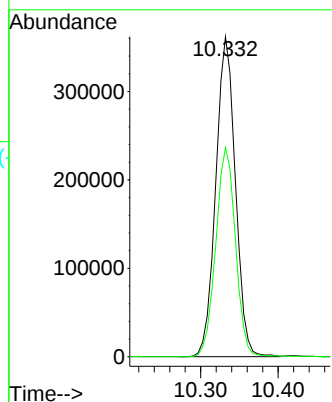
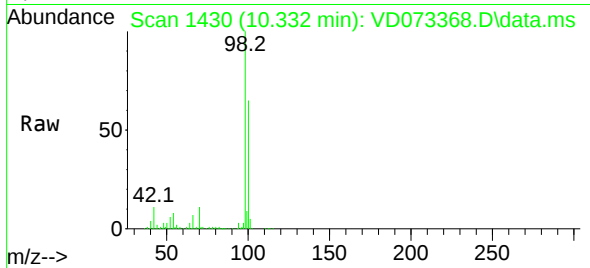




#50
Toluene-d8
Concen: 50.444 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

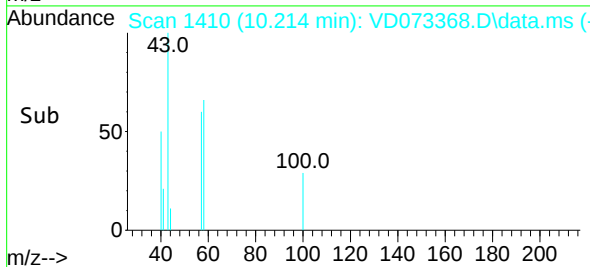
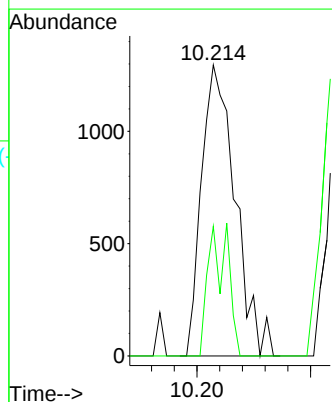
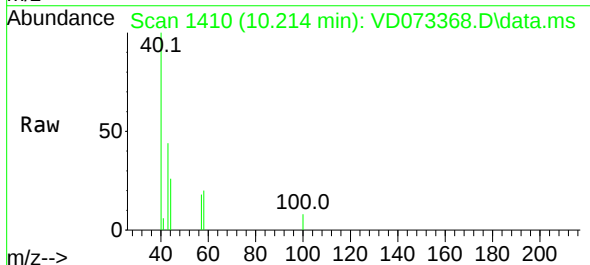
Instrument :
MSVOA_D
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P021-SS003-0006-01

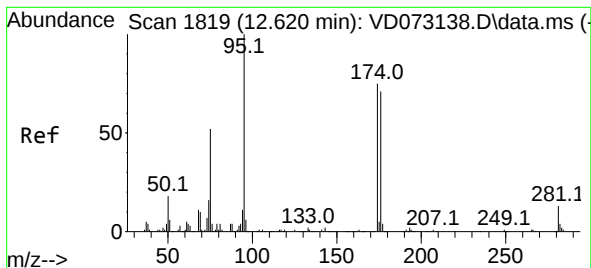
Tgt Ion: 98 Resp: 638094
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.360 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

Tgt Ion: 43 Resp: 2662
Ion Ratio Lower Upper
43 100
58 26.3 28.6 43.0#

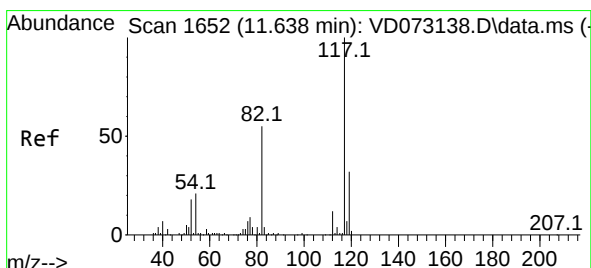
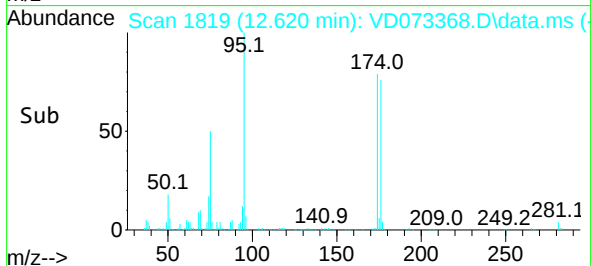
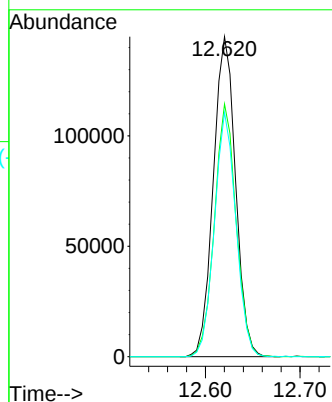
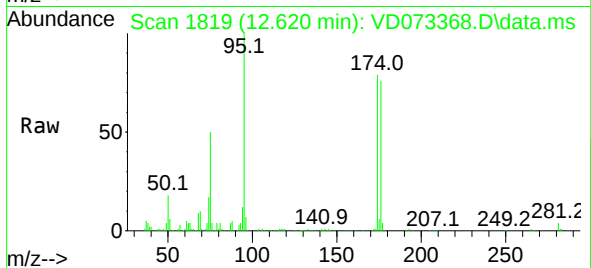




#62
4-Bromofluorobenzene
Concen: 53.298 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

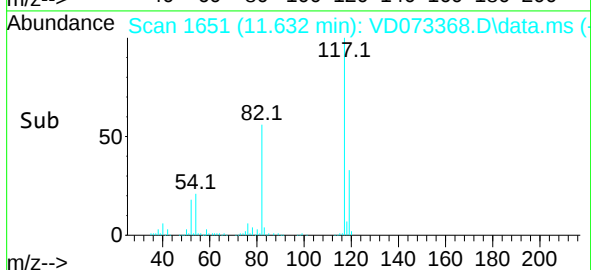
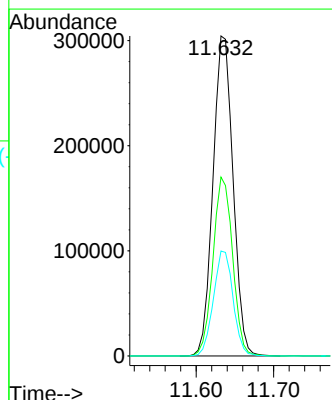
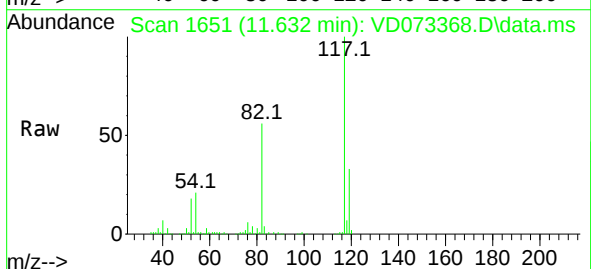
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0006-01

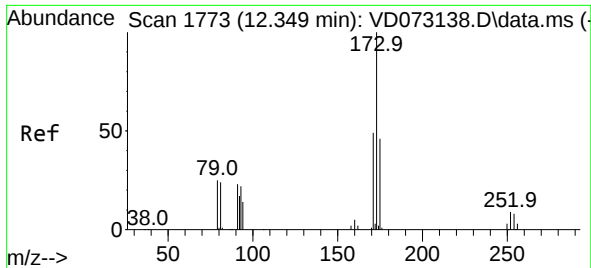
Tgt Ion: 95 Resp: 236603
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 73.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

Tgt Ion: 117 Resp: 547755
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 32.8 26.6 40.0

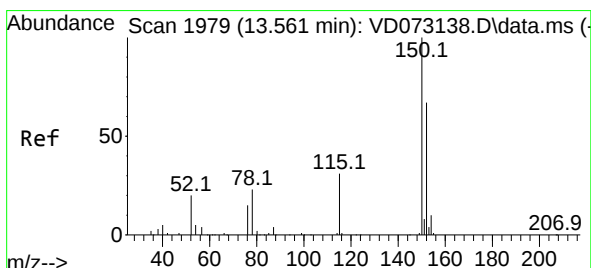
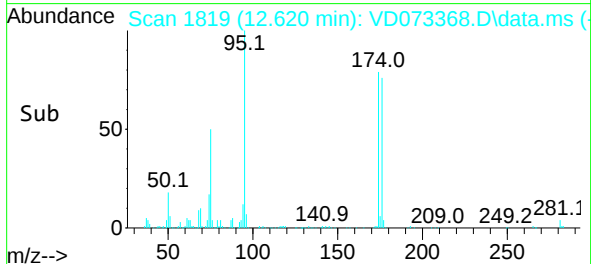
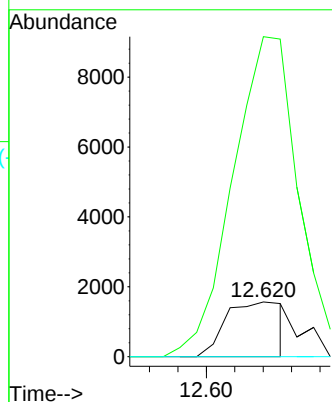
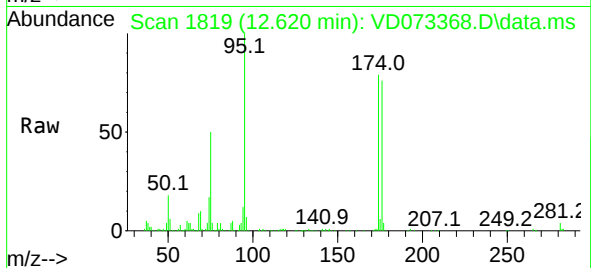




#71
Bromoform
Concen: 1.034 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

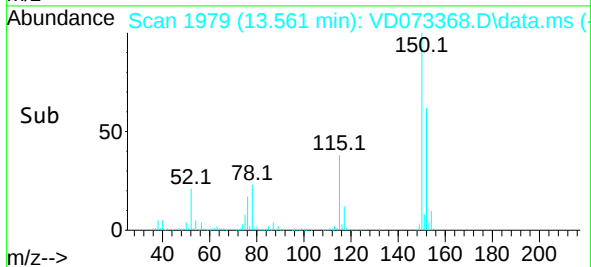
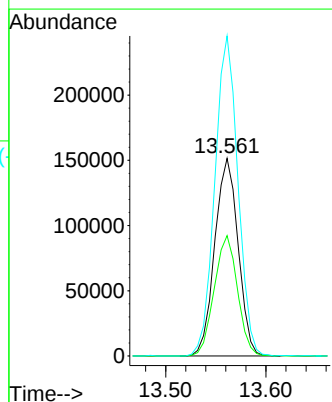
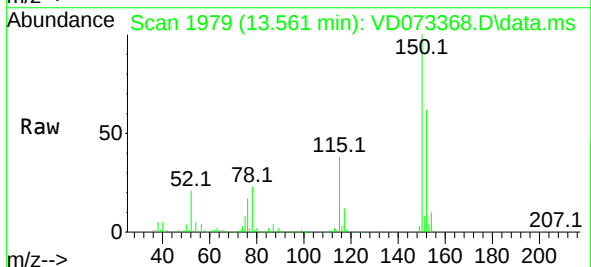
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0006-01

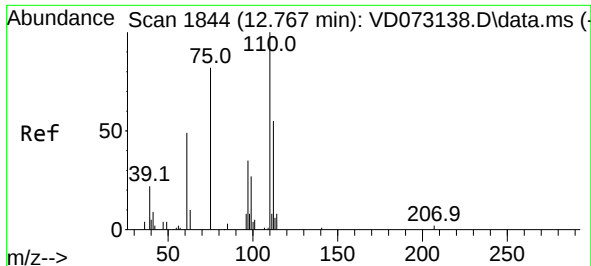
Tgt Ion:173 Resp: 2218
Ion Ratio Lower Upper
173 100
175 528.1 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

Tgt Ion:152 Resp: 244995
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 159.9 0.0 348.6

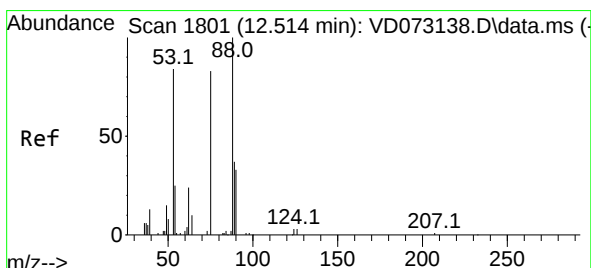
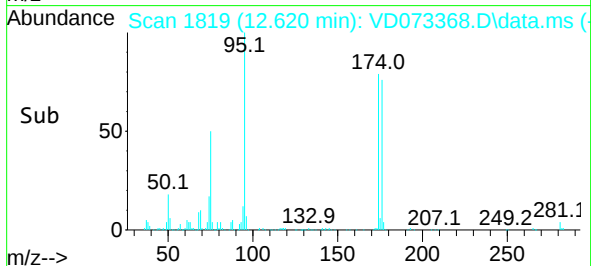
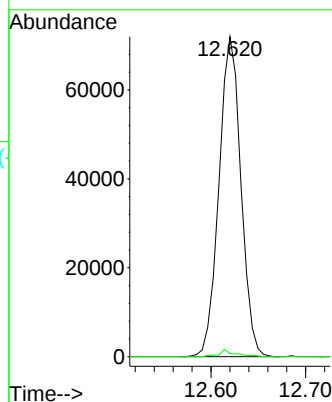
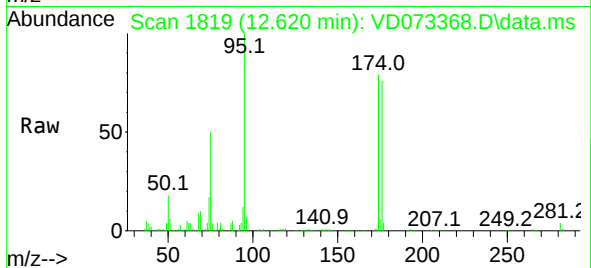




#76
1,2,3-Trichloropropane
Concen: 48.162 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

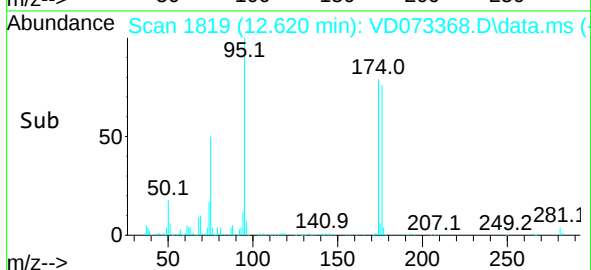
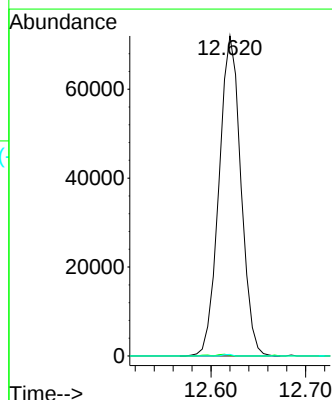
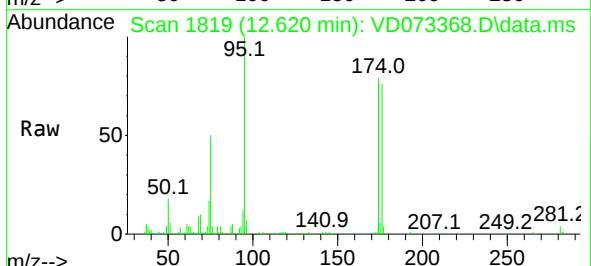
Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0006-01

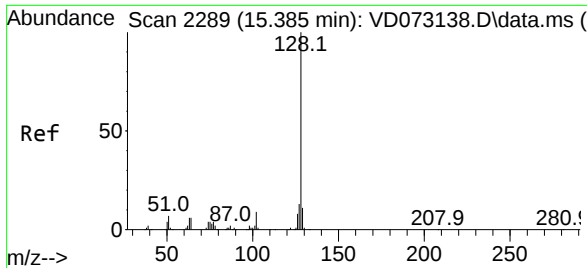
Tgt Ion: 75 Resp: 115772
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.621 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

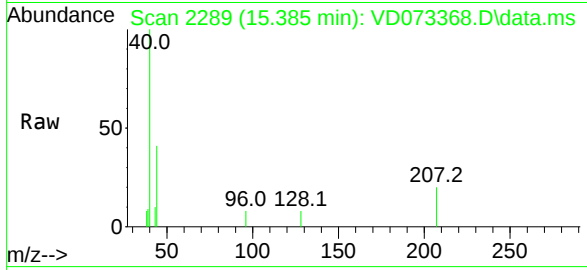
Tgt Ion: 75 Resp: 115772
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.2 33.9 50.9#





#95
Naphthalene
Concen: 3.548 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073368.D
Acq: 25 May 2022 18:49

Instrument :
MSVOA_D
ClientSampleId :
P021-SS003-0006-01



Tgt Ion:	128	Resp:	59
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

