

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073243.D
 Acq On : 21 May 2022 21:50
 Operator : VA/SY
 Sample : M2920-04
 Misc : 4.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P015-SS009-0006-01

Quant Time: May 22 01:34:47 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)

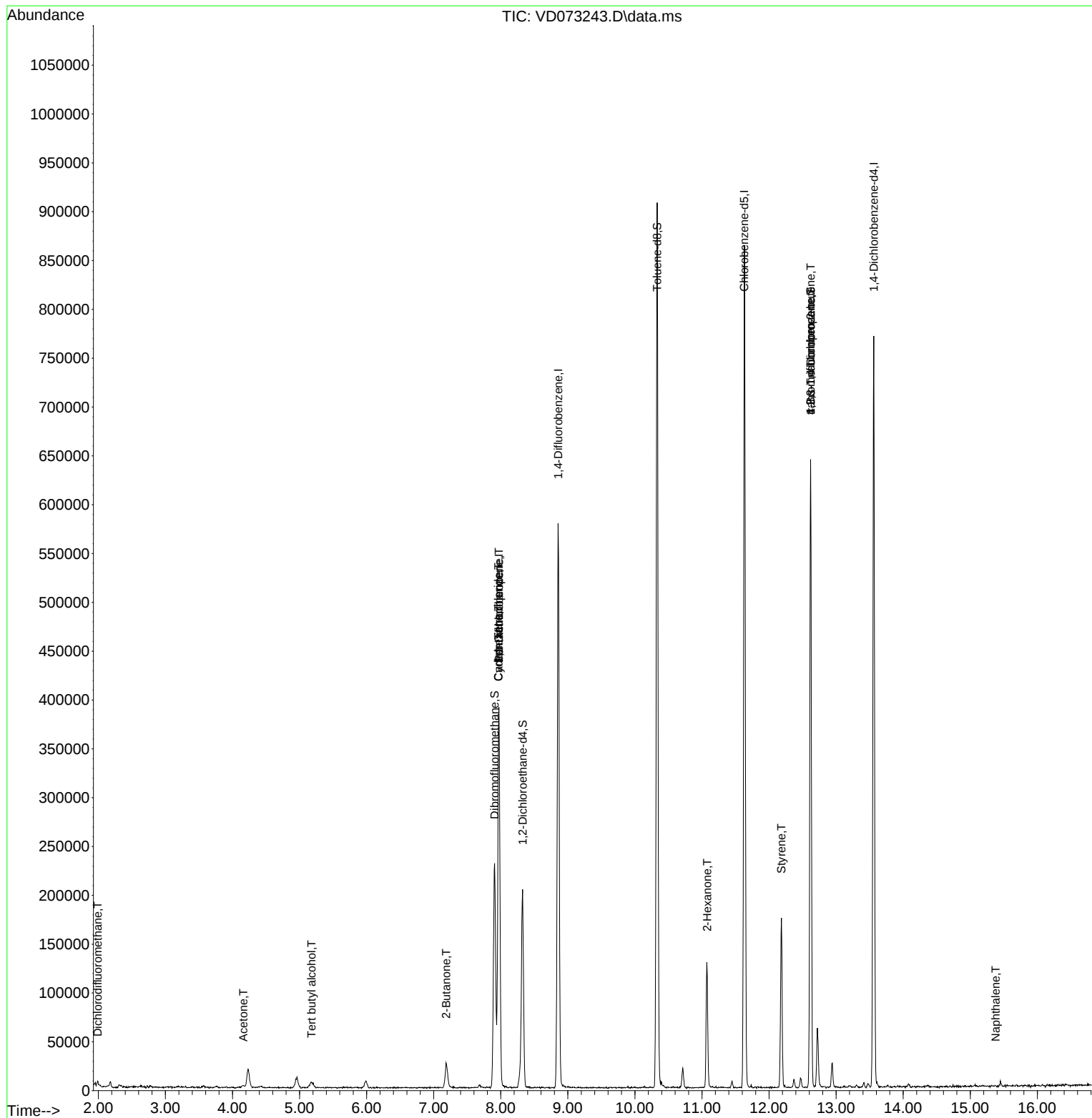
Internal Standards						
1) Pentafluorobenzene	7.973	168	279533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	491034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	496569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	202293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	154662	50.065	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.120%			
35) Dibromofluoromethane	7.908	113	164722	50.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.680%			
50) Toluene-d8	10.332	98	600047	50.238	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.620	95	212704	50.745	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	4022	1.440	ug/l #	68
5) Bromomethane	2.779	94	336	Below Cal	#	64
11) Tert butyl alcohol	5.179	59	5827	12.157	ug/l #	74
13) Acrolein	3.832	56	68	Below Cal	#	14
16) Acetone	4.161	43	4128	7.715	ug/l	90
20) Methylene Chloride	4.967	84	7752	Below Cal	#	83
25) 2-Butanone	7.185	43	847	1.082	ug/l #	52
31) Cyclohexane	7.967	56	6633	1.229	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	23529	4.828	ug/l #	50
38) Carbon Tetrachloride	7.967	117	31360	6.348	ug/l #	16
59) 2-Hexanone	11.079	43	1415	1.161	ug/l #	54
70) Styrene	12.185	104	86439	7.872	ug/l #	88
76) 1,2,3-Trichloropropane	12.620	75	109009	54.921	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	109009	131.848	ug/l #	7
95) Naphthalene	15.379	128	206	3.570	ug/l #	70

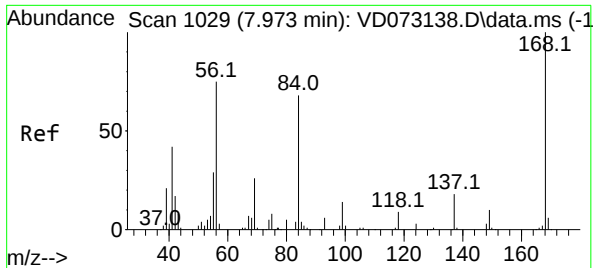
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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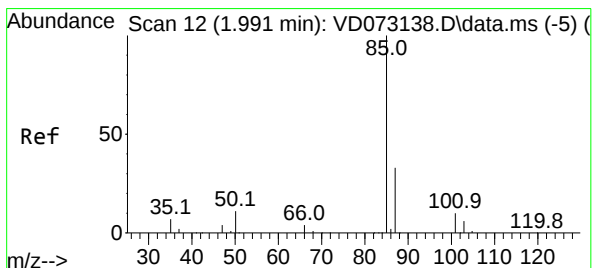
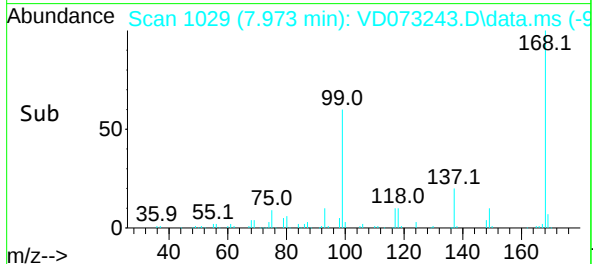
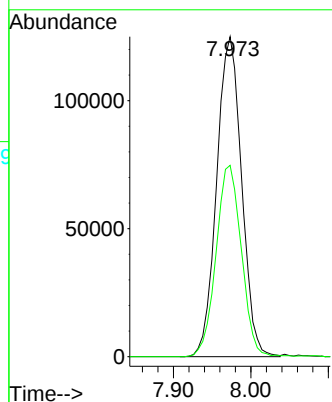
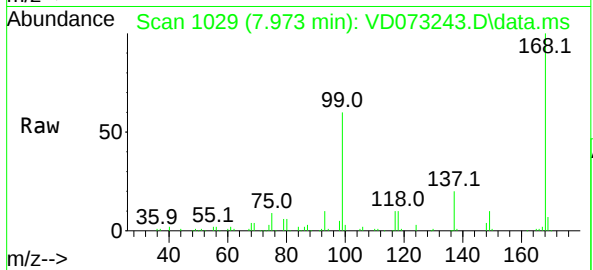




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

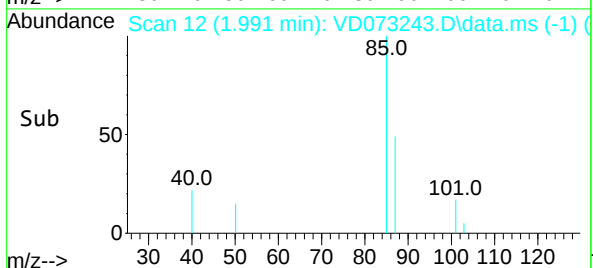
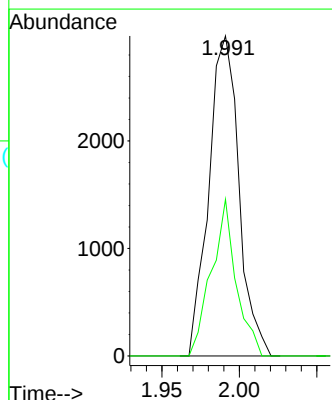
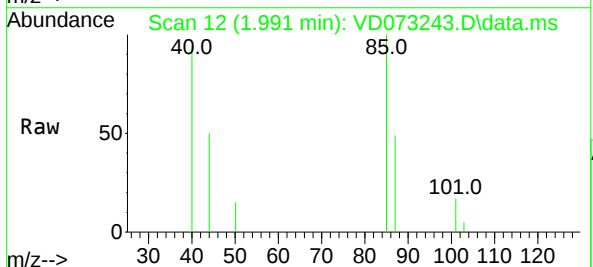
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

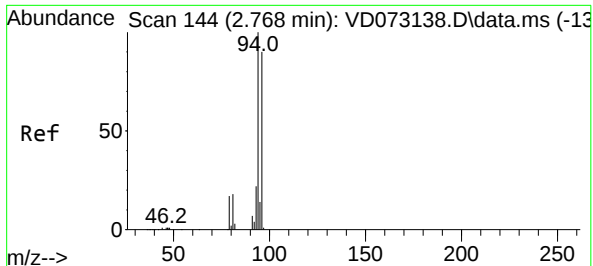
Tgt Ion:168 Resp: 279533
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.440 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Tgt Ion: 85 Resp: 4022
Ion Ratio Lower Upper
85 100
87 49.0 15.7 47.0#

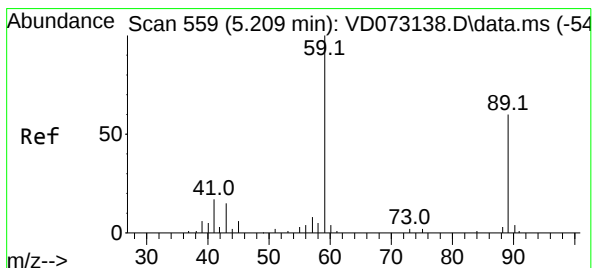
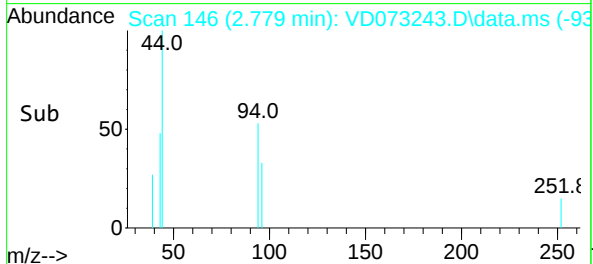
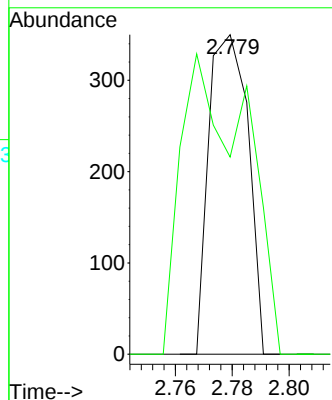
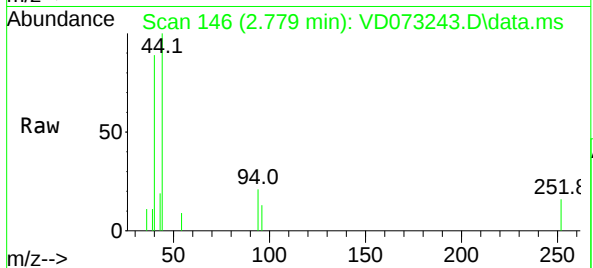




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 144
Delta R.T. 0.011 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

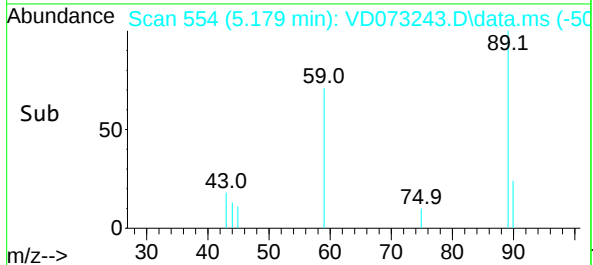
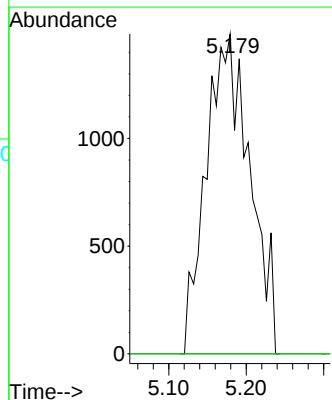
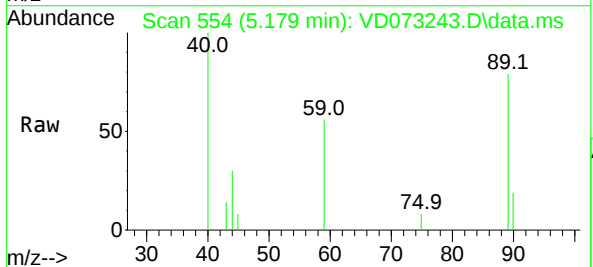
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

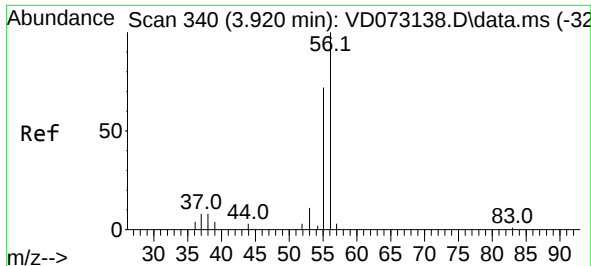
Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 61.7 77.6 116.4#



#11
Tert butyl alcohol
Concen: 12.157 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Tgt Ion: 59 Resp: 5827
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

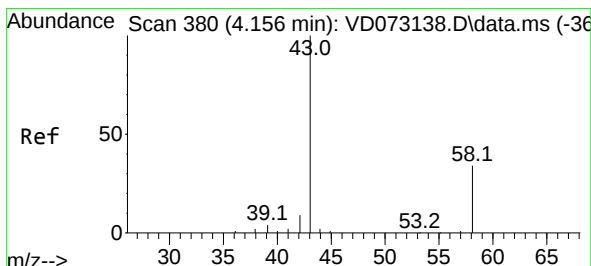
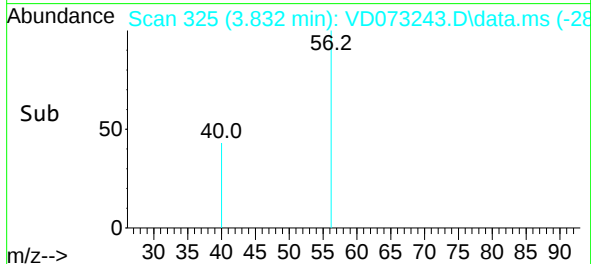
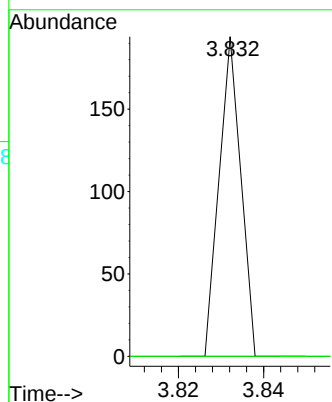
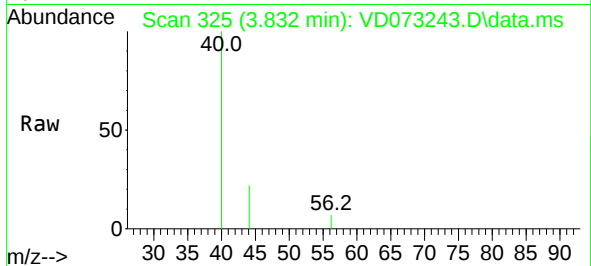




#13
Acrolein
Concen: Below Cal
RT: 3.832 min Scan# 31
Delta R.T. -0.088 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

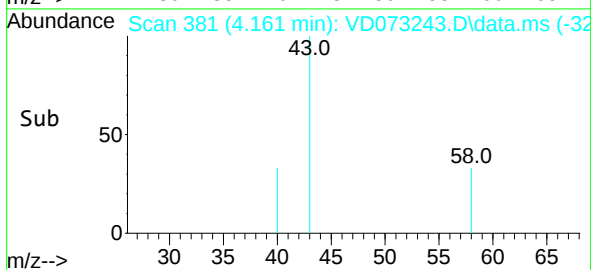
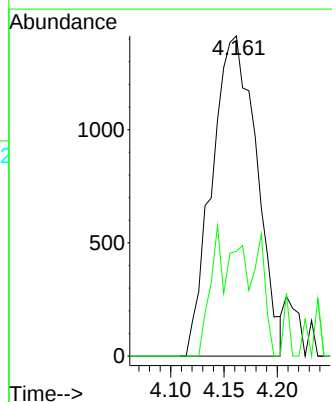
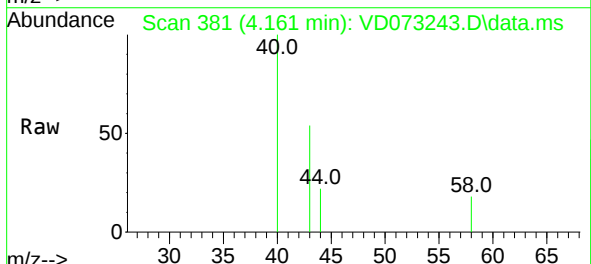
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

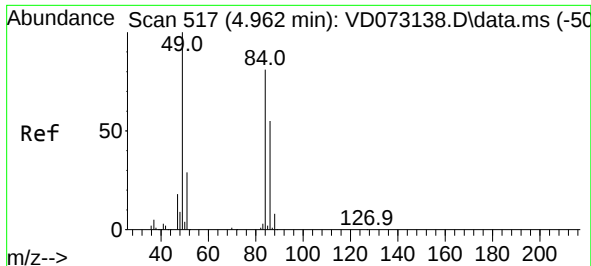
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 7.715 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Tgt Ion: 43 Resp: 4128
Ion Ratio Lower Upper
43 100
58 32.7 22.1 33.1

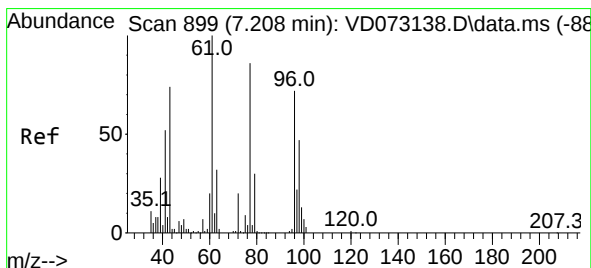
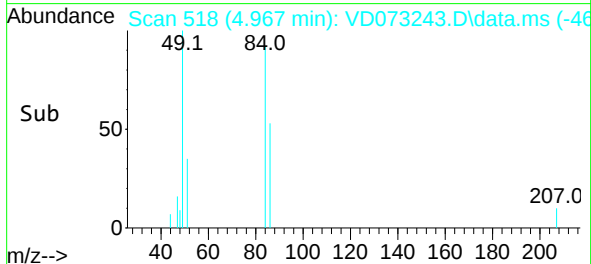
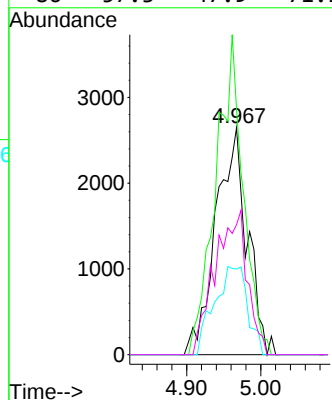
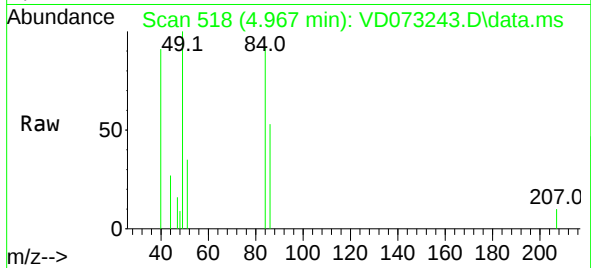




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

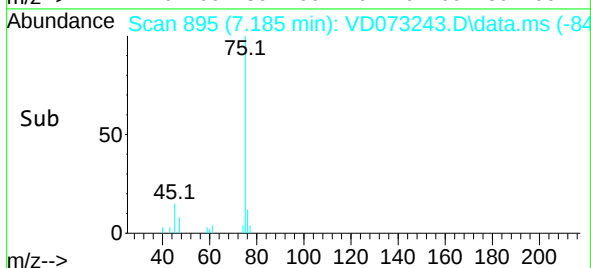
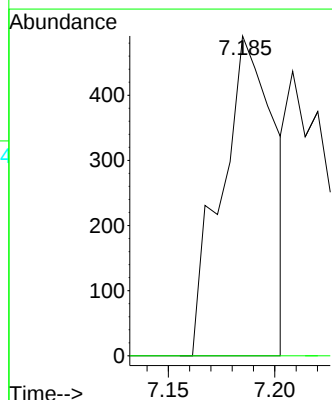
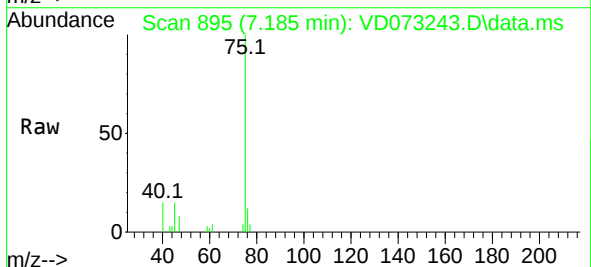
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

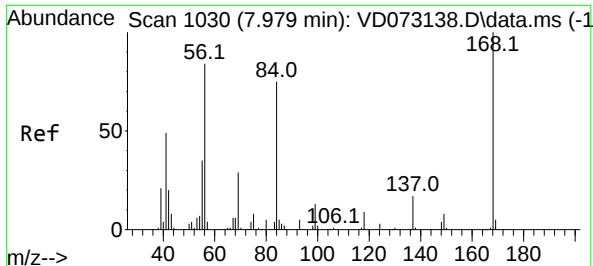
Tgt Ion: 84 Resp: 7752
Ion Ratio Lower Upper
84 100
49 108.3 112.8 169.2#
51 37.8 32.6 48.8
86 57.3 47.9 71.9



#25
2-Butanone
Concen: 1.082 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.229 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

Instrument :

MSVOA_D

ClientSampleId :

P015-SS009-0006-01

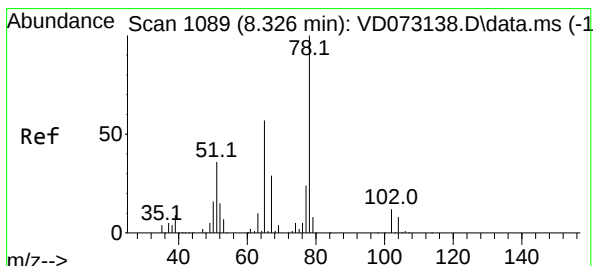
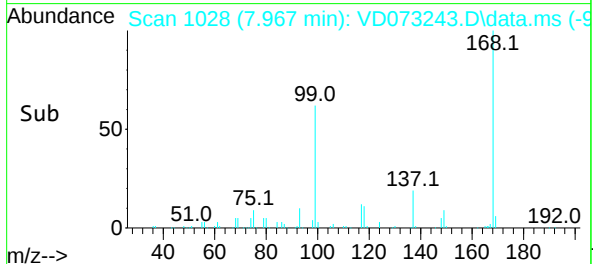
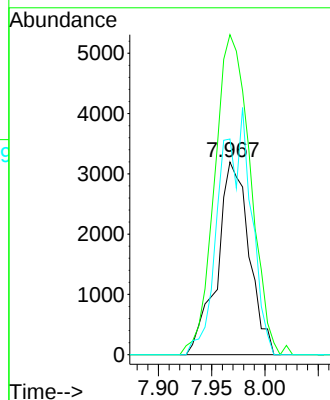
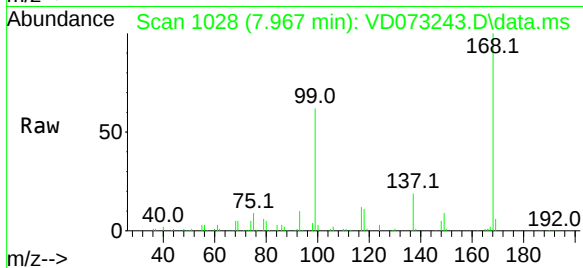
Tgt Ion: 56 Resp: 6633

Ion Ratio Lower Upper

56 100

69 166.1 25.4 38.2#

84 111.9 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.065 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073243.D

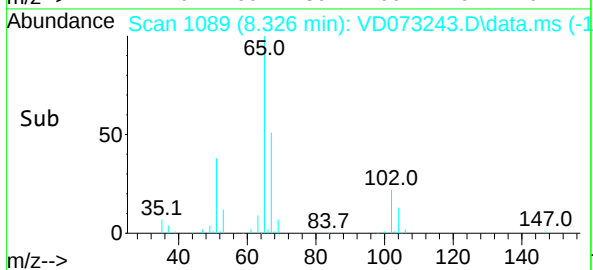
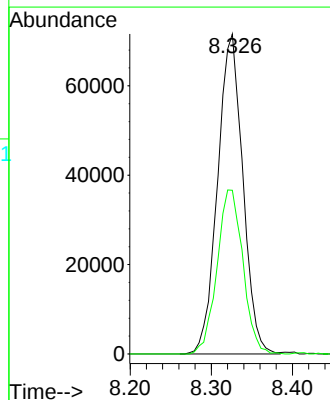
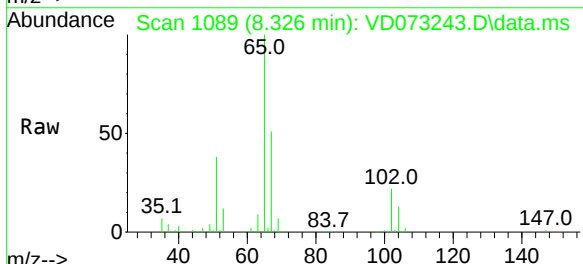
Acq: 21 May 2022 21:50

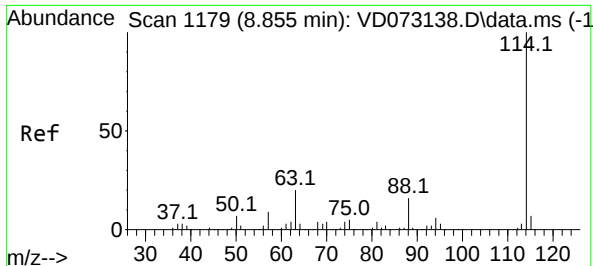
Tgt Ion: 65 Resp: 154662

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

Instrument :

MSVOA_D

ClientSampleId :

P015-SS009-0006-01

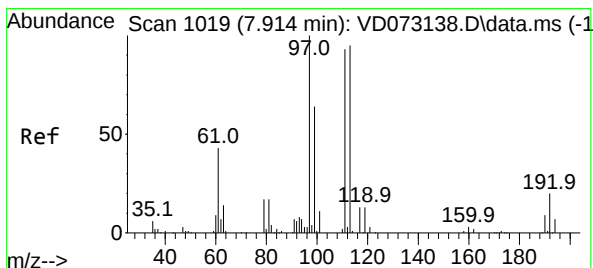
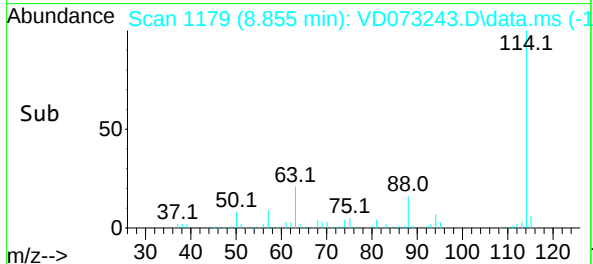
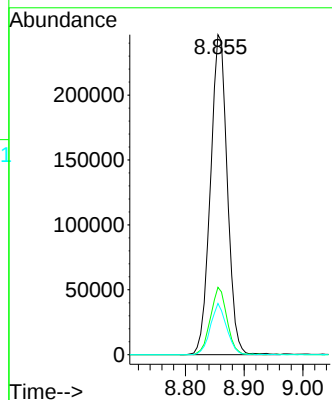
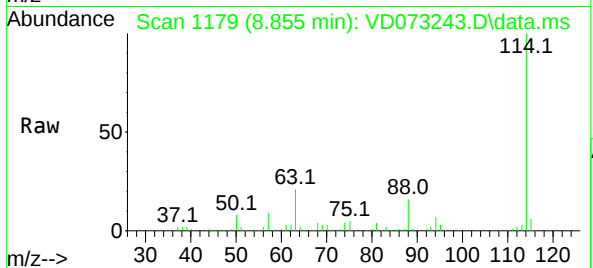
Tgt Ion:114 Resp: 491034

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.837 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

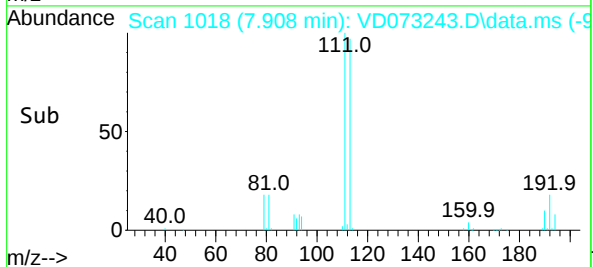
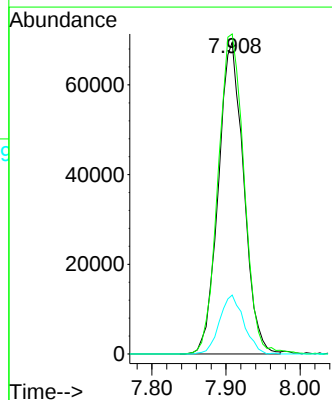
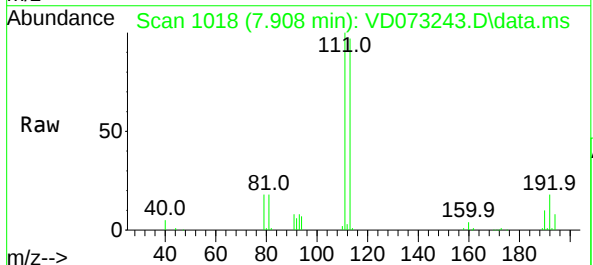
Tgt Ion:113 Resp: 164722

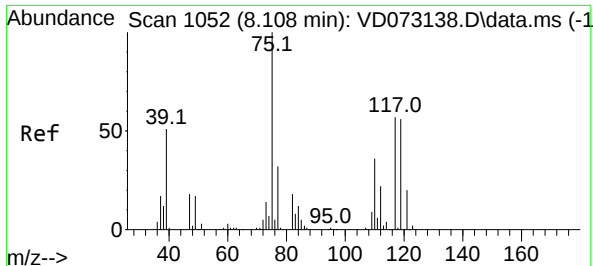
Ion Ratio Lower Upper

113 100

111 105.3 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

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P015-SS009-0006-01

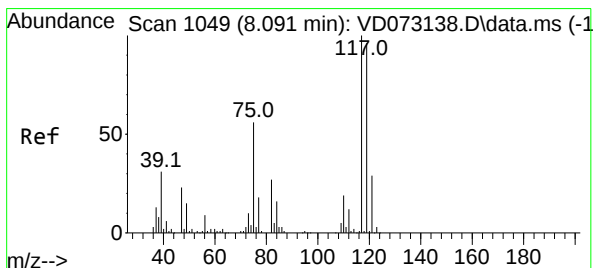
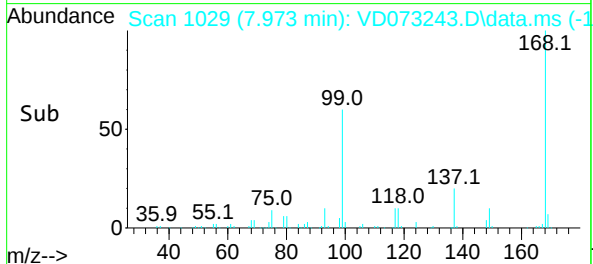
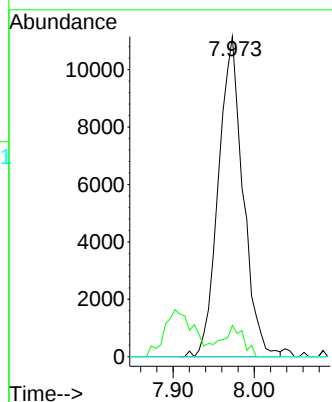
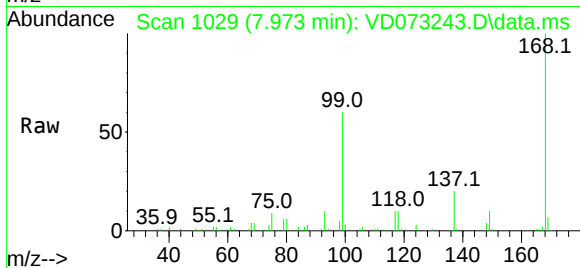
Tgt Ion: 75 Resp: 23529

Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.348 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

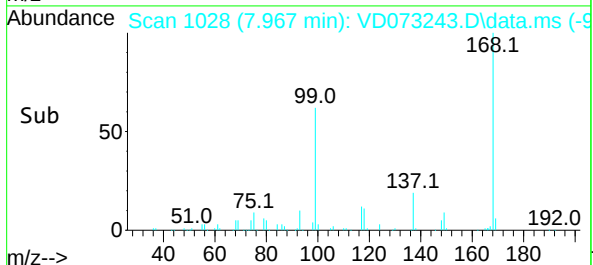
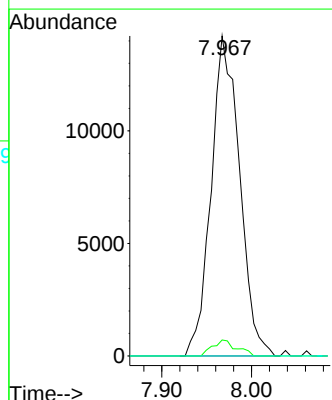
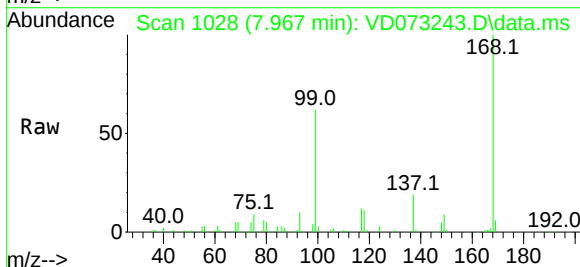
Tgt Ion: 117 Resp: 31360

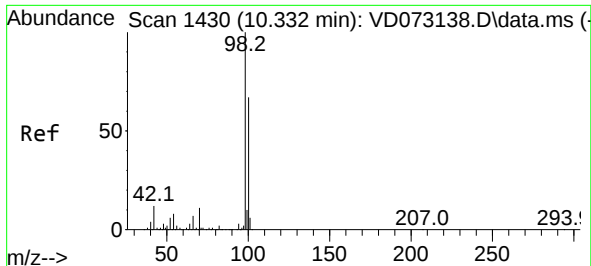
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.5 36.7#

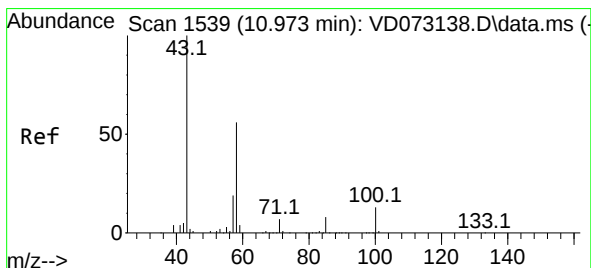
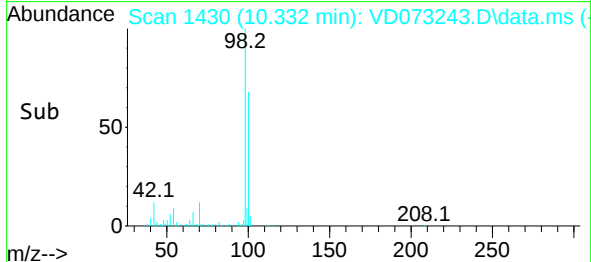
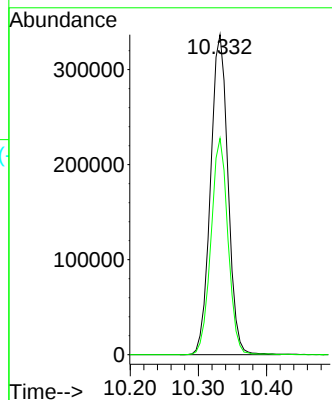
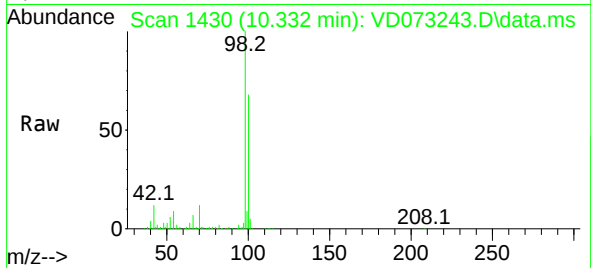




#50
Toluene-d8
Concen: 50.238 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

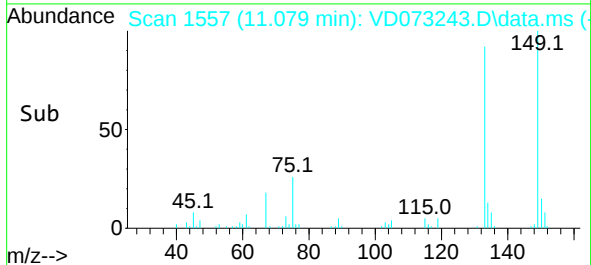
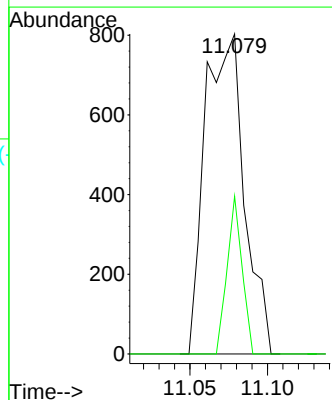
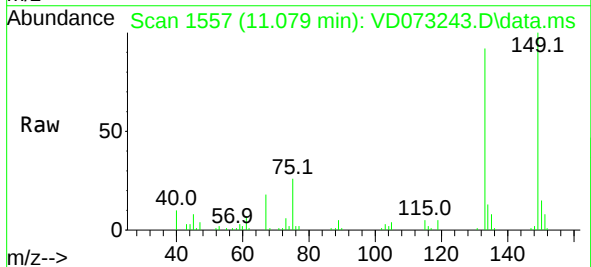
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

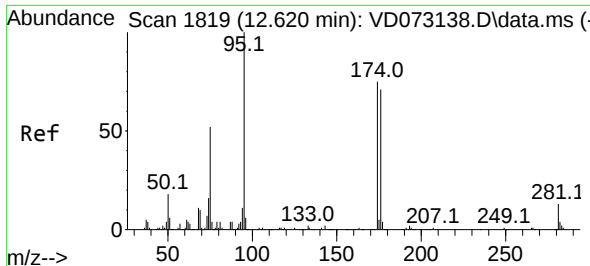
Tgt Ion: 98 Resp: 600047
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#59
2-Hexanone
Concen: 1.161 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.106 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 18.7 25.3 75.9#

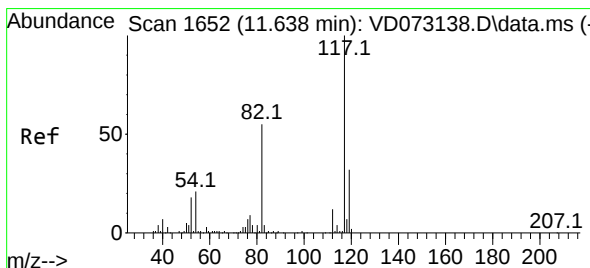
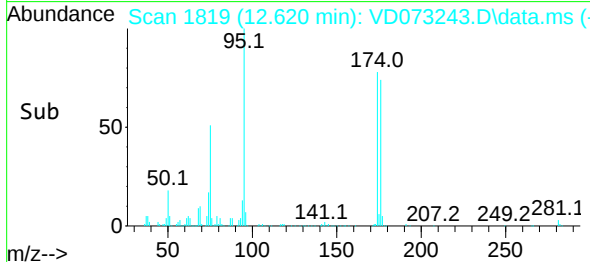
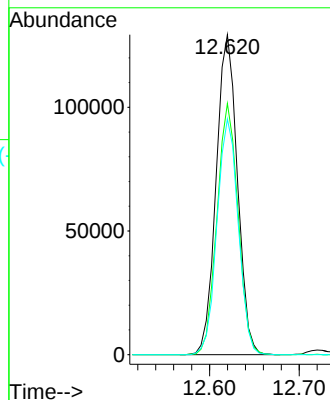
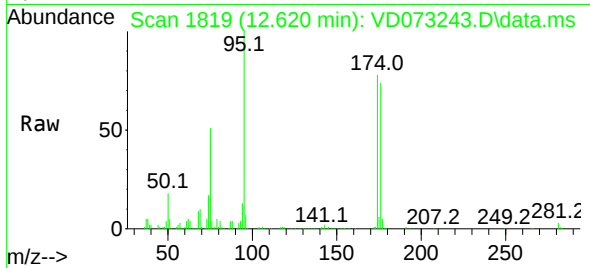




#62
4-Bromofluorobenzene
Concen: 50.745 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

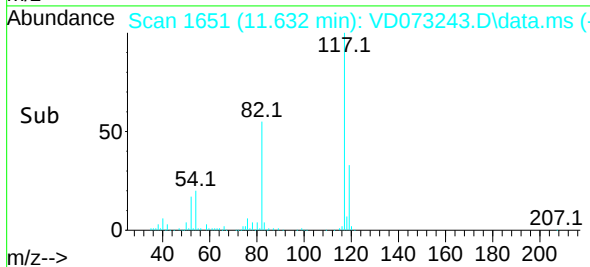
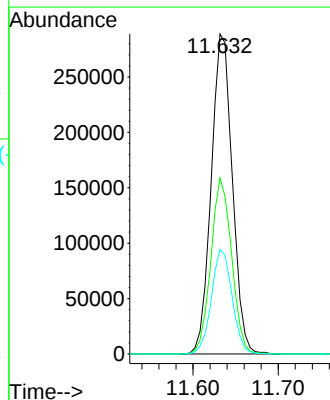
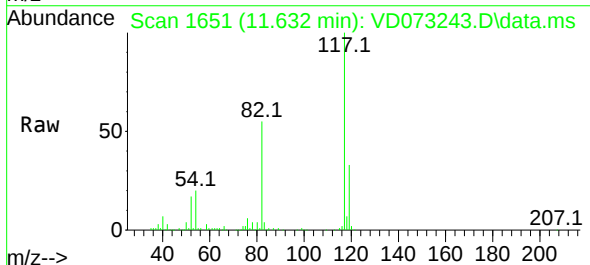
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

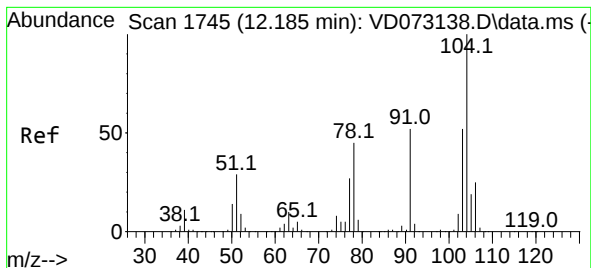
Tgt Ion: 95 Resp: 212704
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 73.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Tgt Ion: 117 Resp: 496569
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 32.7 26.6 40.0





#70

Styrene

Concen: 7.872 ug/l

RT: 12.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

Instrument :

MSVOA_D

ClientSampleId :

P015-SS009-0006-01

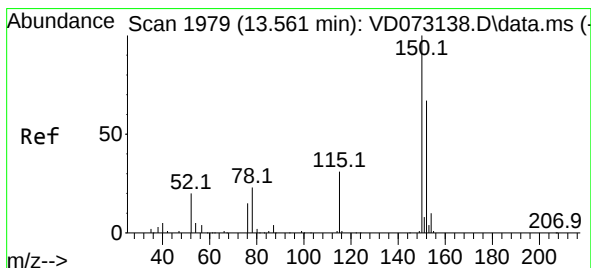
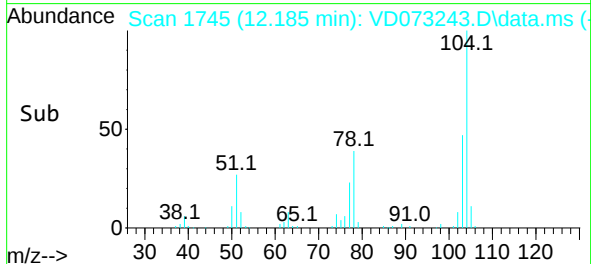
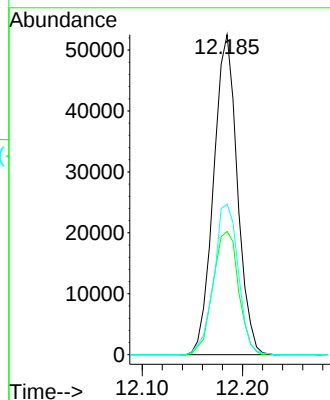
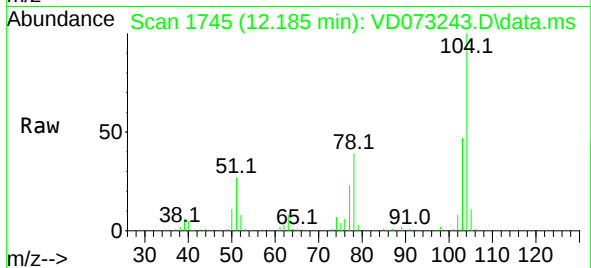
Tgt Ion:104 Resp: 86439

Ion Ratio Lower Upper

104 100

78 41.6 41.8 62.8#

103 48.3 44.2 66.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073243.D

Acq: 21 May 2022 21:50

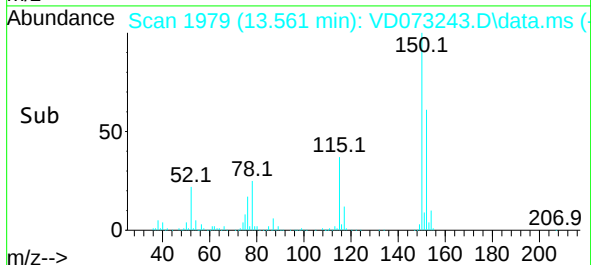
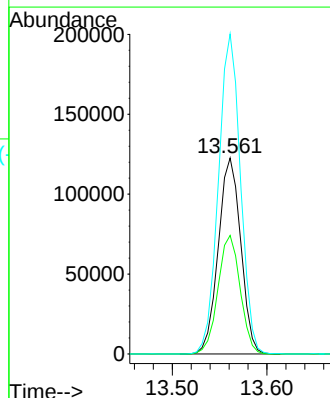
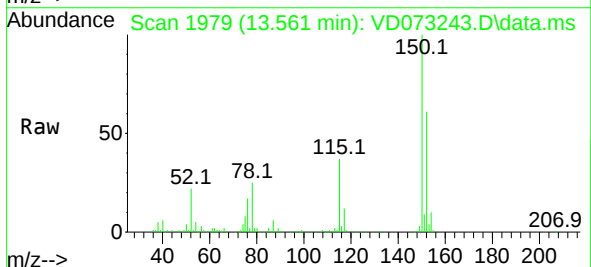
Tgt Ion:152 Resp: 202293

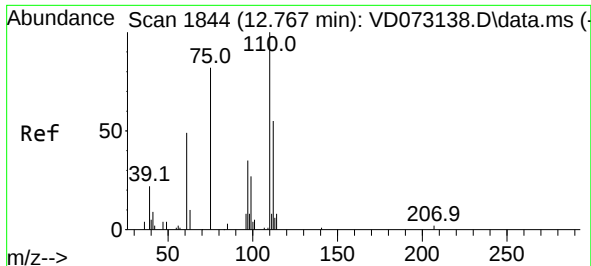
Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 159.9 0.0 348.6

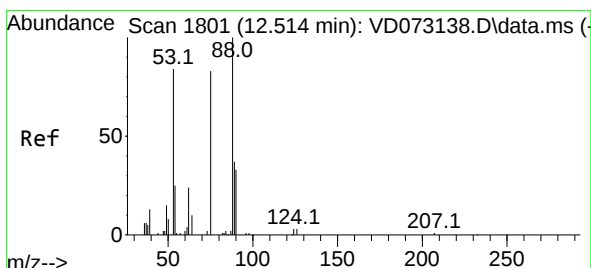
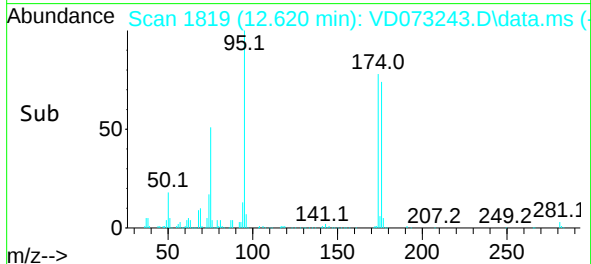
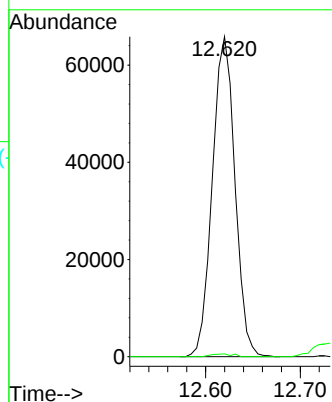
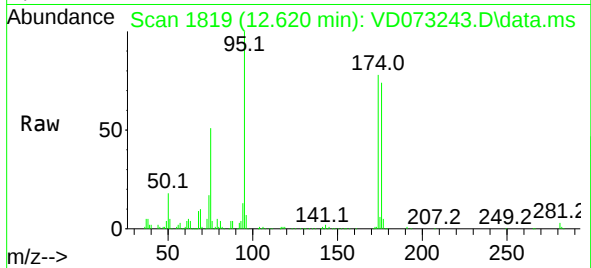




#76
1,2,3-Trichloropropane
Concen: 54.921 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

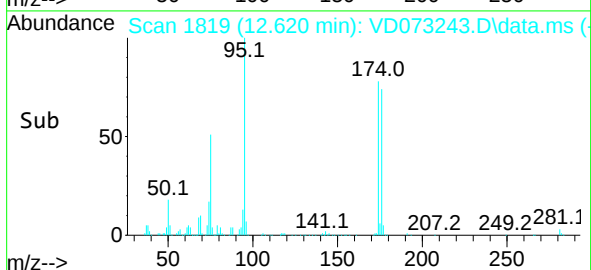
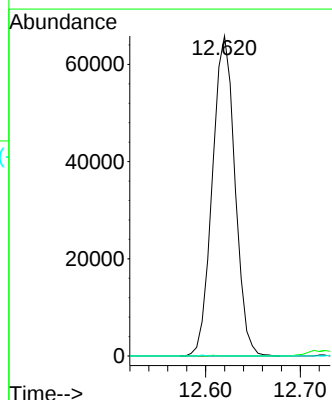
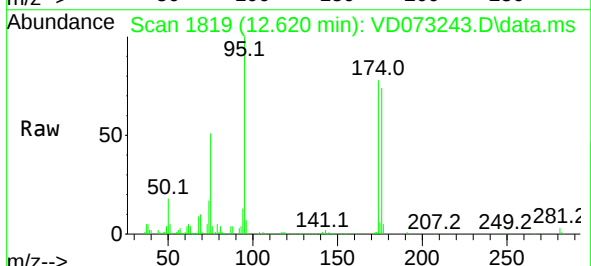
Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01

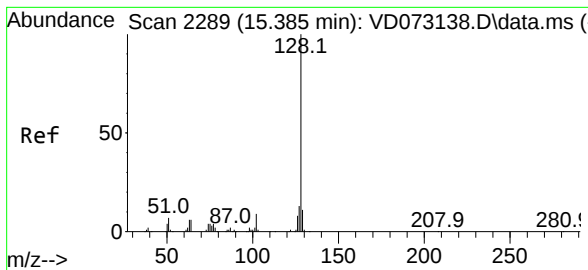
Tgt Ion: 75 Resp: 109009
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.848 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

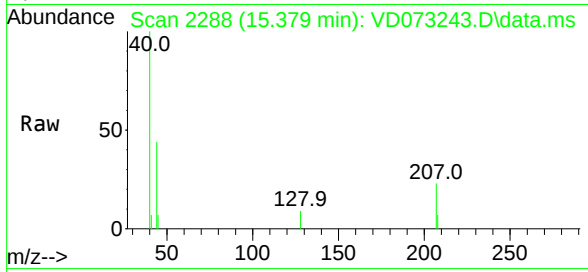
Tgt Ion: 75 Resp: 109009
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.570 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073243.D
Acq: 21 May 2022 21:50

Instrument :
MSVOA_D
ClientSampleId :
P015-SS009-0006-01



Tgt Ion:	128	Resp:	206
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

