

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073230.D
 Acq On : 21 May 2022 15:26
 Operator : VA/SY
 Sample : N2870-01
 Misc : 4.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-0006-01

Quant Time: May 22 01:32:10 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)

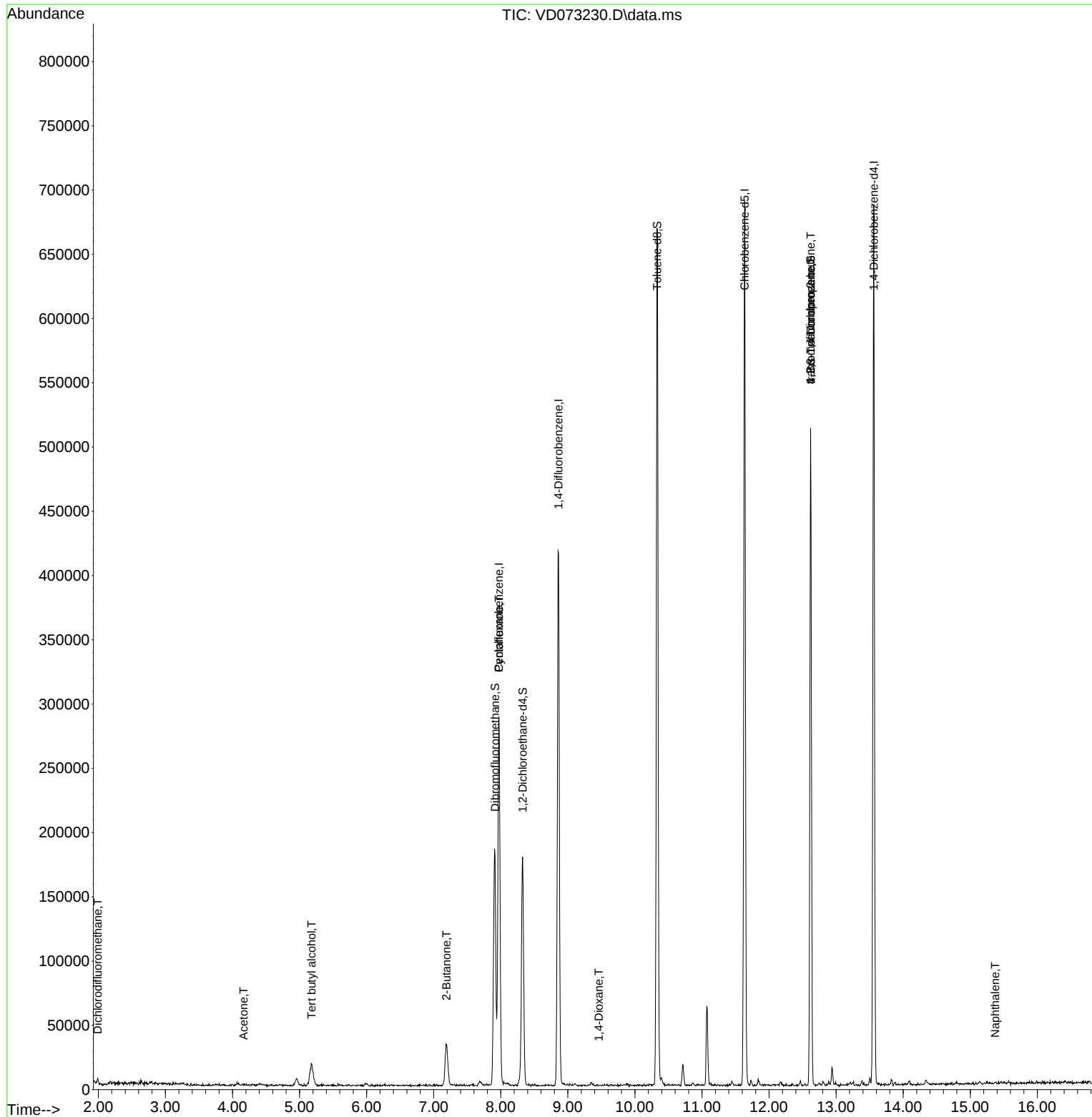
Internal Standards						
1) Pentafluorobenzene	7.973	168	203766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	357087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	393273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	173541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138355	61.439	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.880%	
35) Dibromofluoromethane	7.914	113	132511	56.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.480%	
50) Toluene-d8	10.332	98	450176	51.828	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.660%	
62) 4-Bromofluorobenzene	12.620	95	170654	55.984	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.960%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2621	1.287	ug/l #	59
5) Bromomethane	2.785	94	1345	Below Cal		83
11) Tert butyl alcohol	5.179	59	15647	44.785	ug/l #	74
16) Acetone	4.167	43	906	2.323	ug/l #	87
20) Methylene Chloride	4.956	84	3702	Below Cal	#	83
25) 2-Butanone	7.191	43	1290	2.261	ug/l #	52
31) Cyclohexane	7.973	56	5700	1.448	ug/l #	2
49) 1,4-Dioxane	9.461	88	56	3.839	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	83726	49.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	83726	118.045	ug/l #	7
95) Naphthalene	15.373	128	1292	3.753	ug/l #	76

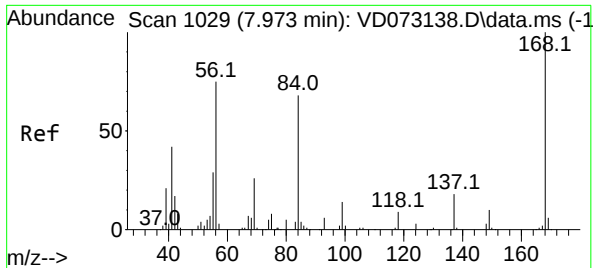
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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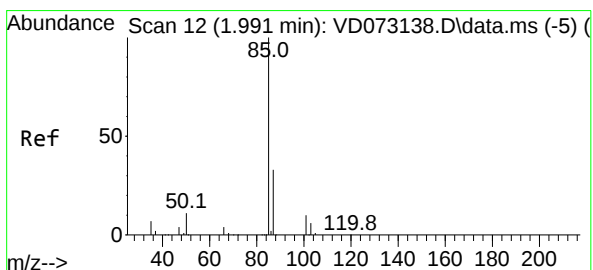
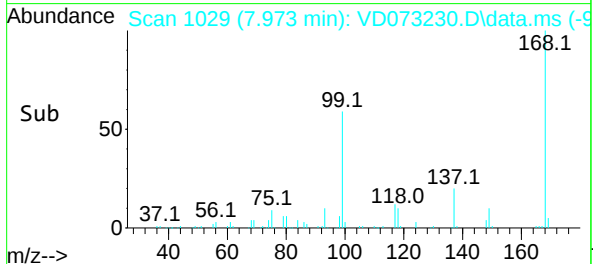
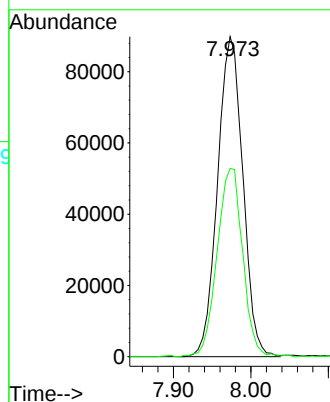
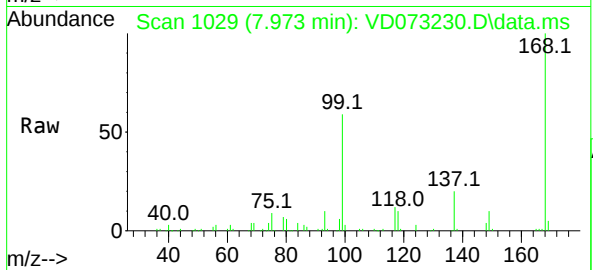




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

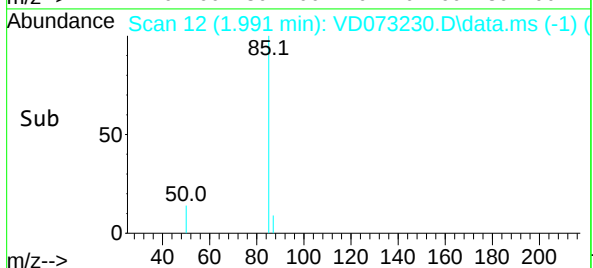
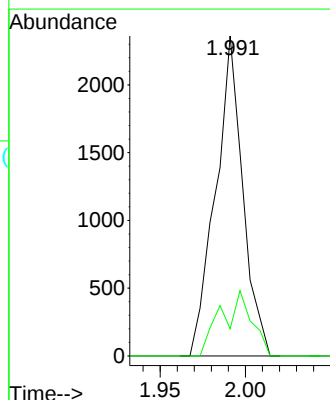
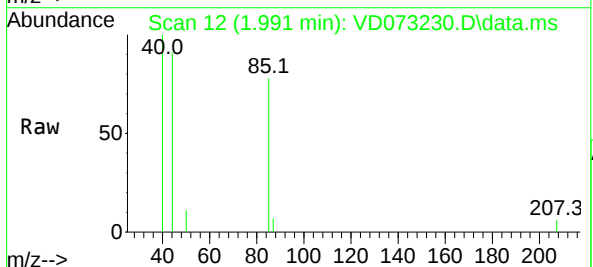
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0006-01

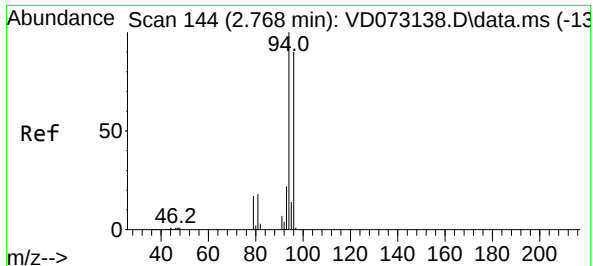
Tgt Ion:168 Resp: 203766
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.287 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

Tgt Ion: 85 Resp: 2621
Ion Ratio Lower Upper
85 100
87 8.5 15.7 47.0#

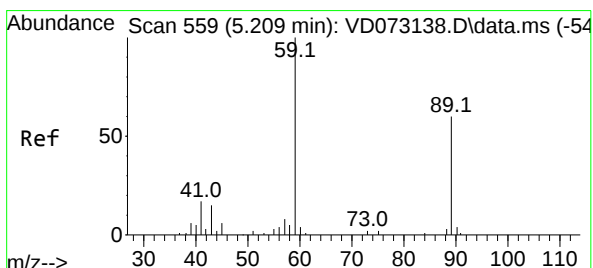
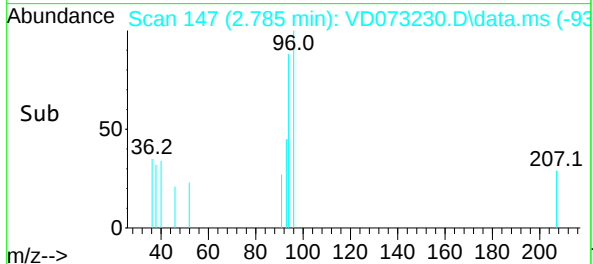
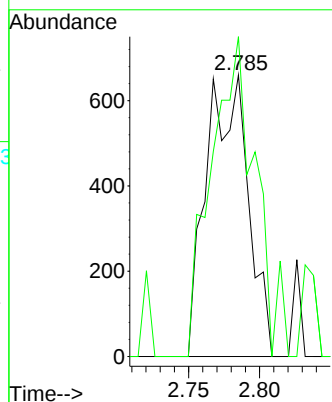
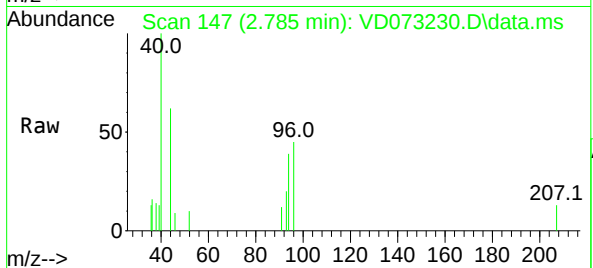




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 144
Delta R.T. 0.017 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

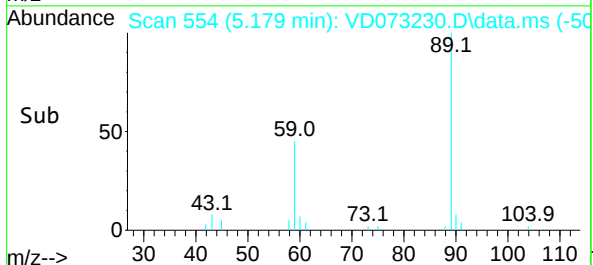
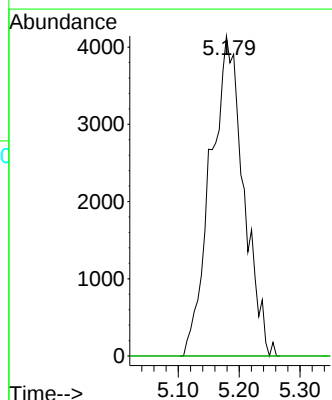
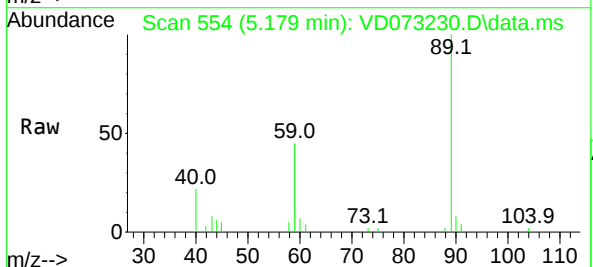
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0006-01

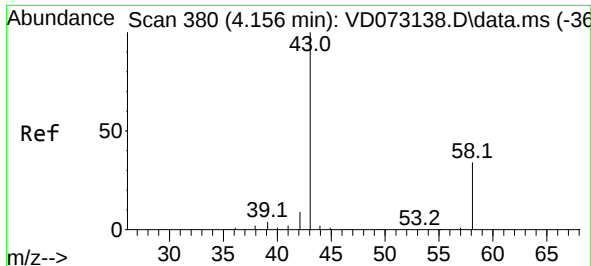
Tgt Ion: 94 Resp: 1345
Ion Ratio Lower Upper
94 100
96 113.6 77.6 116.4



#11
Tert butyl alcohol
Concen: 44.785 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

Tgt Ion: 59 Resp: 15647
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 2.323 ug/l

RT: 4.167 min Scan# 31

Delta R.T. 0.011 min

Lab File: VD073230.D

Acq: 21 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

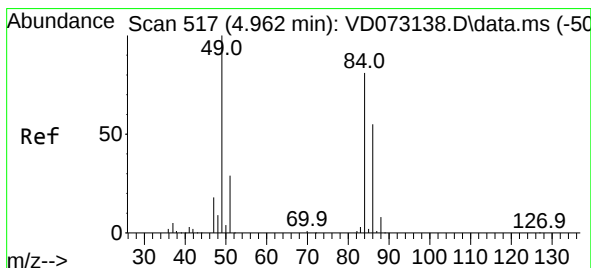
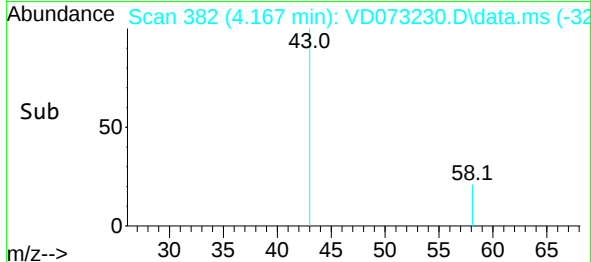
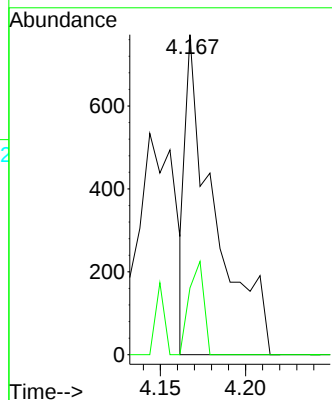
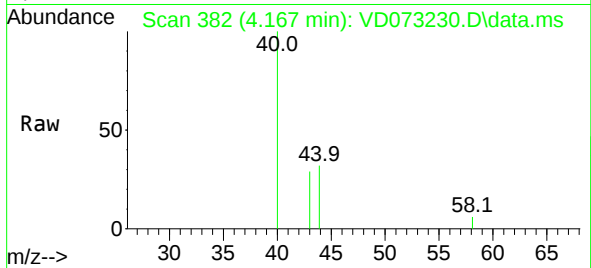
P033-SS001-0006-01

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

43 100

58 20.9 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD073230.D

Acq: 21 May 2022 15:26

Tgt Ion: 84 Resp: 3702

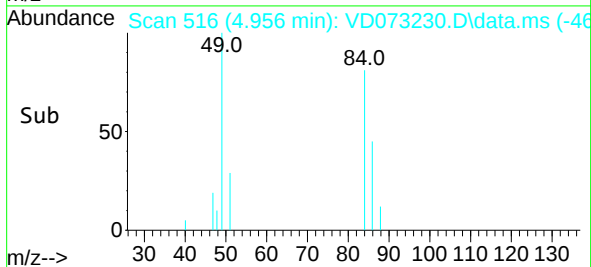
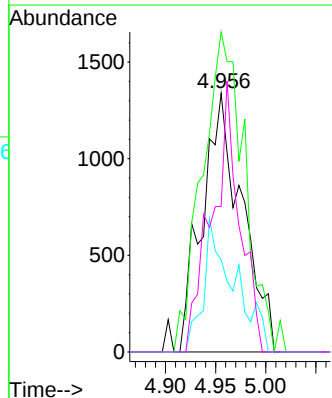
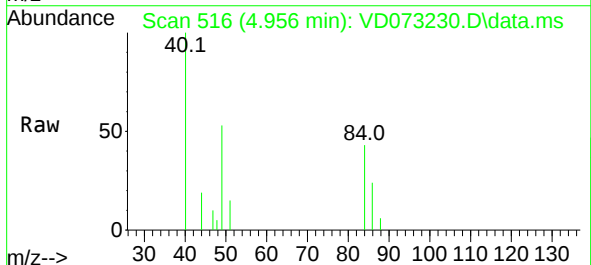
Ion Ratio Lower Upper

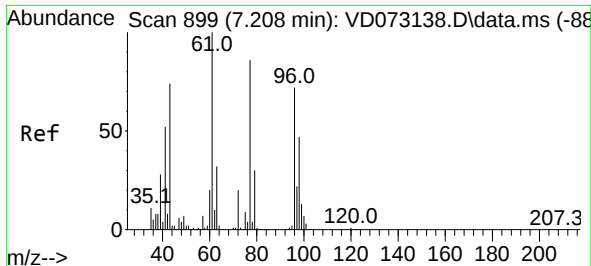
84 100

49 111.6 112.8 169.2#

51 35.6 32.6 48.8

86 56.3 47.9 71.9





#25

2-Butanone

Concen: 2.261 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.017 min

Lab File: VD073230.D

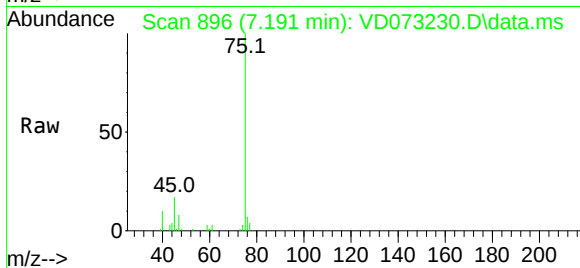
Acq: 21 May 2022 15:26

Instrument :

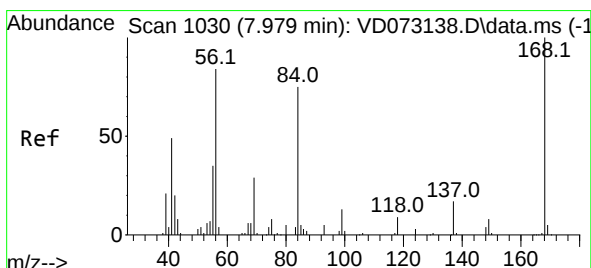
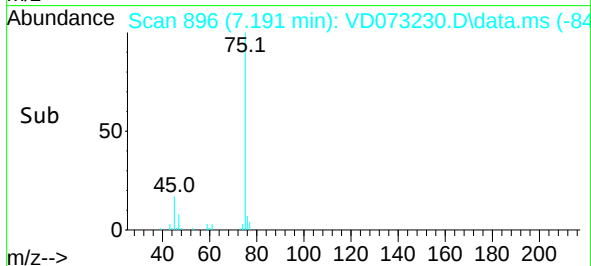
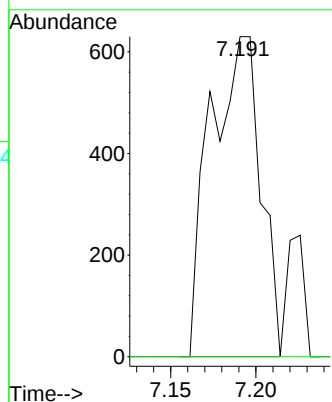
MSVOA_D

ClientSampleId :

P033-SS001-0006-01



Tgt Ion:	43	Resp:	1290
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



#31

Cyclohexane

Concen: 1.448 ug/l

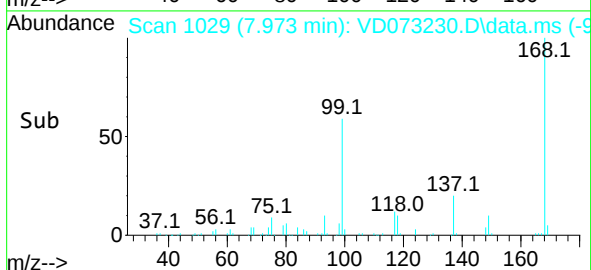
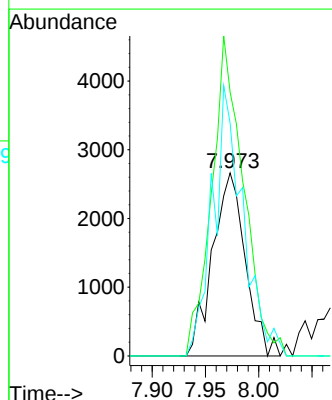
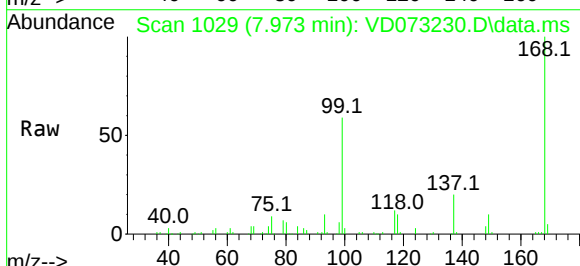
RT: 7.973 min Scan# 1029

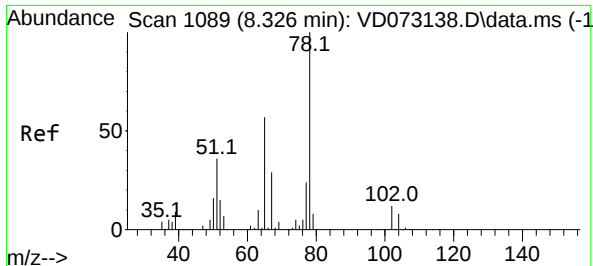
Delta R.T. -0.006 min

Lab File: VD073230.D

Acq: 21 May 2022 15:26

Tgt Ion:	56	Resp:	5700
Ion	Ratio	Lower	Upper
56	100		
69	144.2	25.4	38.2#
84	127.2	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 61.439 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073230.D

Acq: 21 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

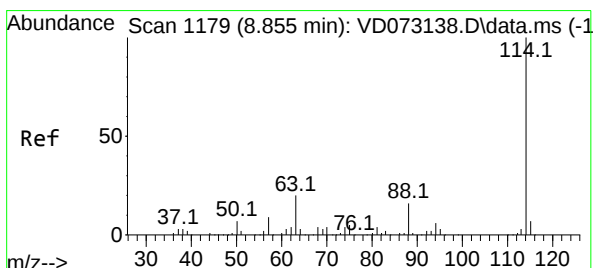
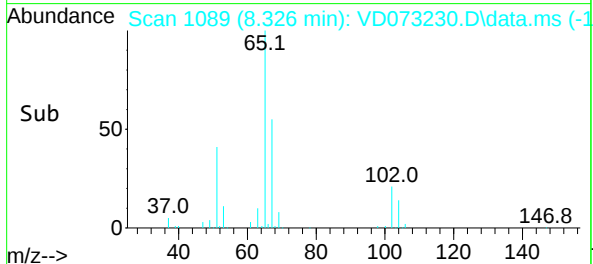
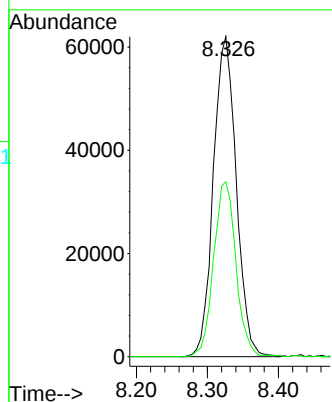
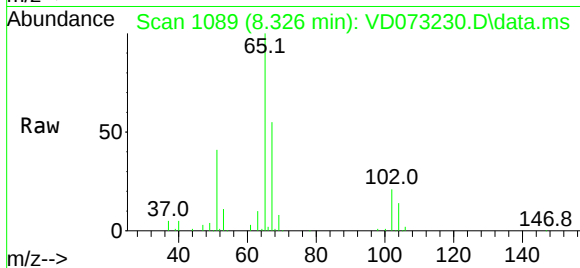
P033-SS001-0006-01

Tgt Ion: 65 Resp: 138355

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: VD073230.D

Acq: 21 May 2022 15:26

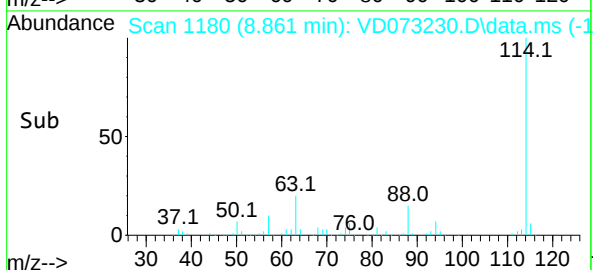
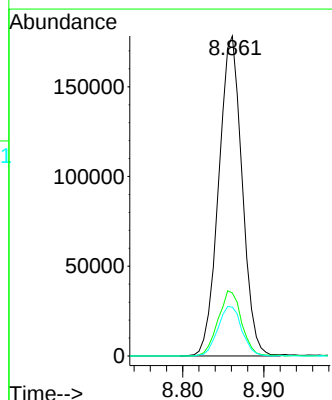
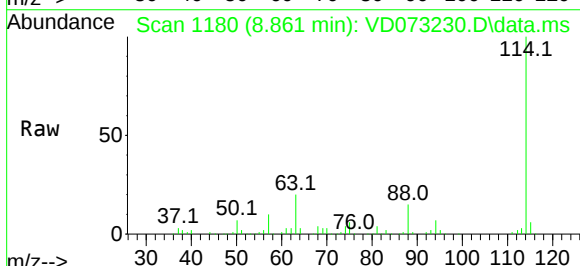
Tgt Ion: 114 Resp: 357087

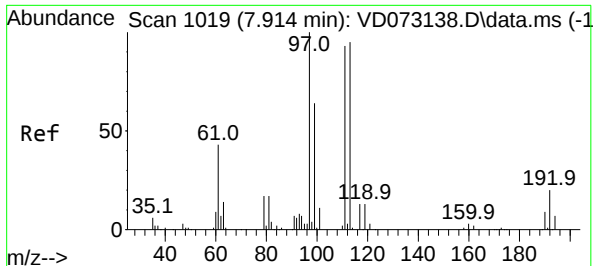
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.2 0.0 33.2

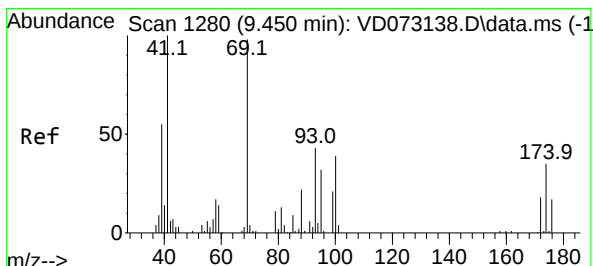
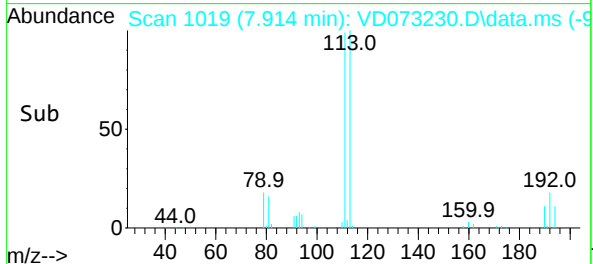
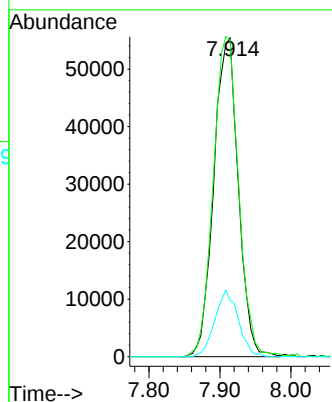
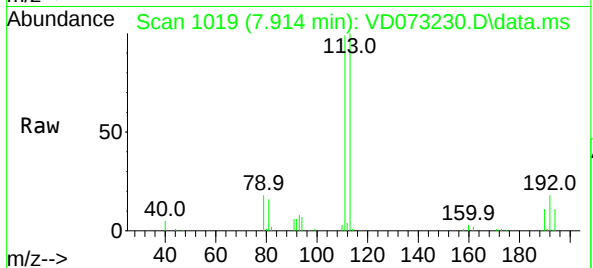




#35
Dibromofluoromethane
Concen: 56.237 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

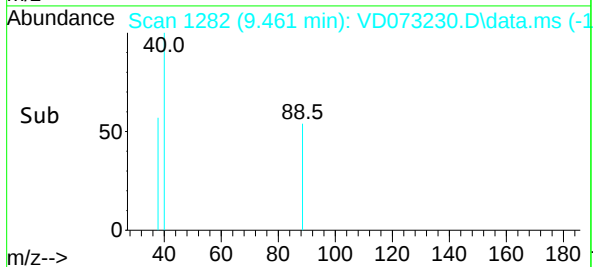
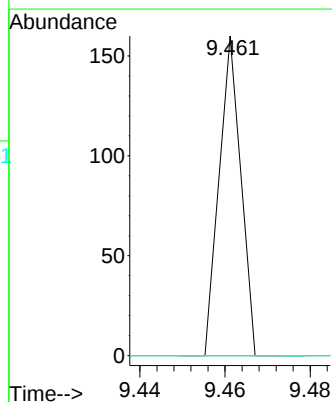
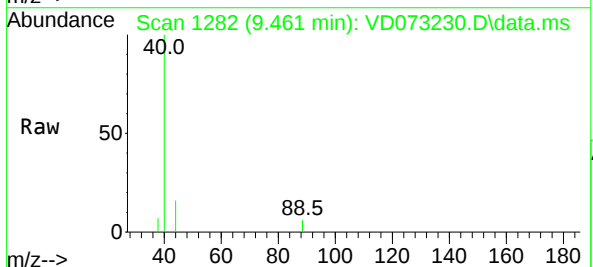
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P033-SS001-0006-01

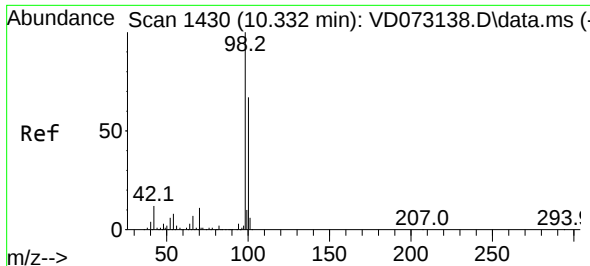
Tgt Ion:113 Resp: 132511
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.6
192 19.9 14.6 21.8



#49
1,4-Dioxane
Concen: 3.839 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

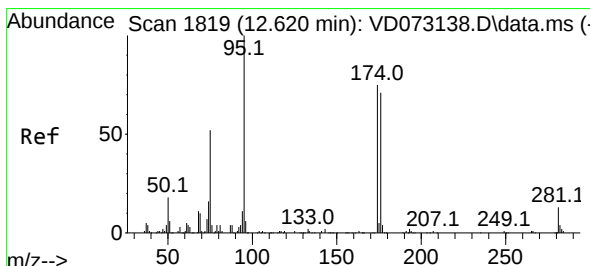
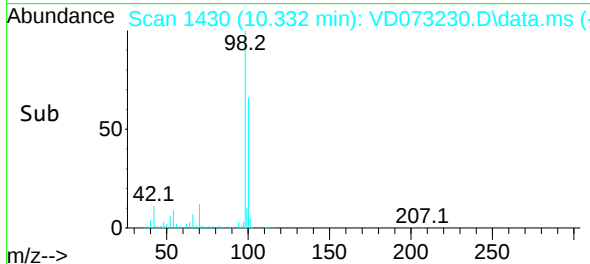
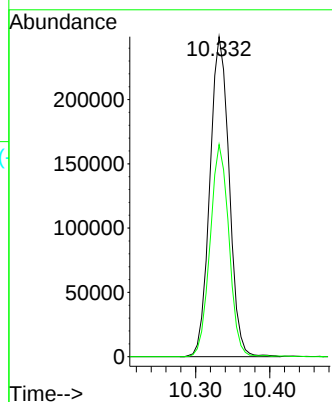
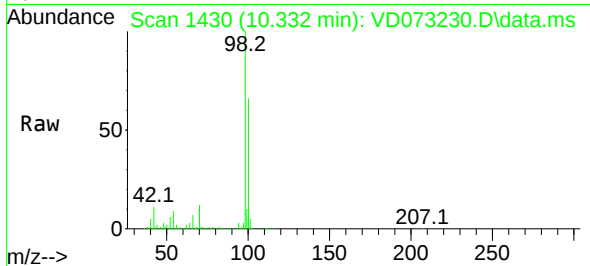




#50
Toluene-d8
Concen: 51.828 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

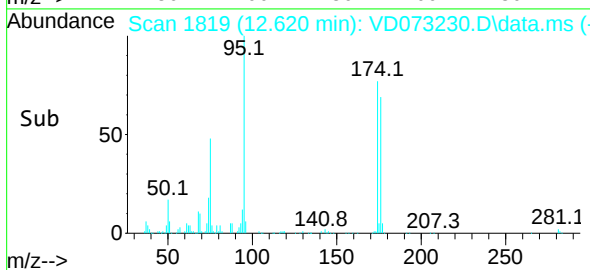
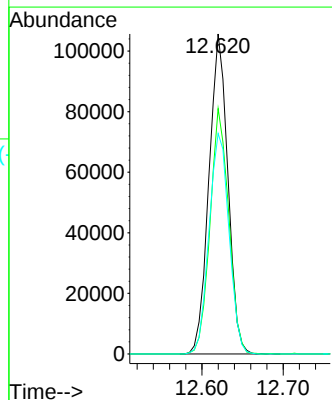
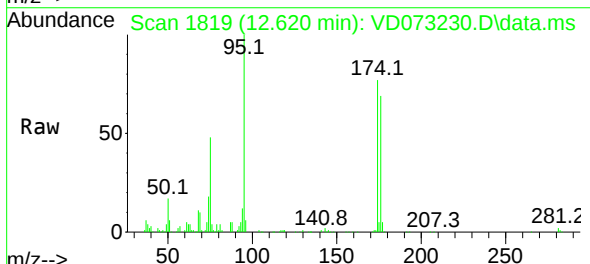
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0006-01

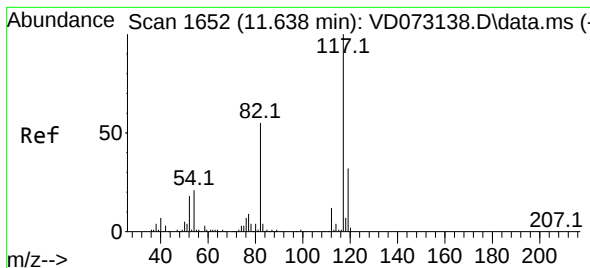
Tgt Ion: 98 Resp: 450176
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 55.984 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

Tgt Ion: 95 Resp: 170654
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 72.7 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073230.D

Acq: 21 May 2022 15:26

Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-0006-01

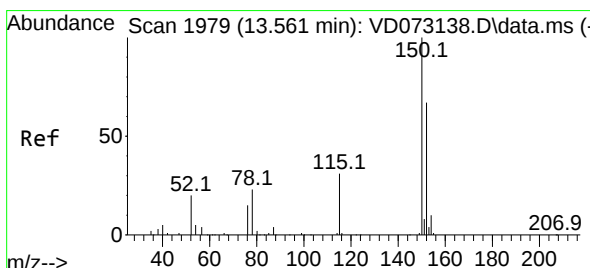
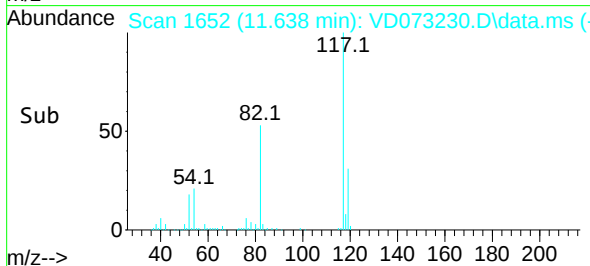
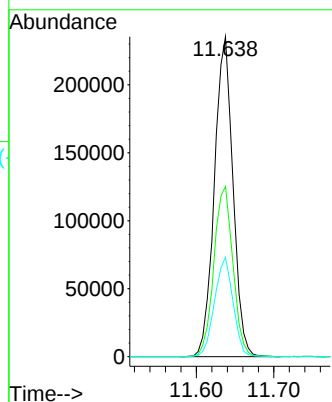
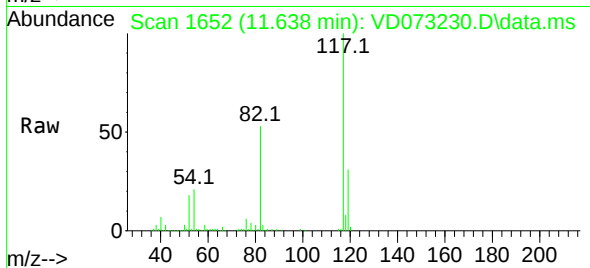
Tgt Ion:117 Resp: 393273

Ion Ratio Lower Upper

117 100

82 53.2 45.3 67.9

119 31.0 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073230.D

Acq: 21 May 2022 15:26

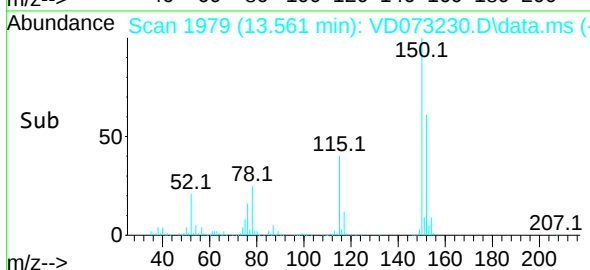
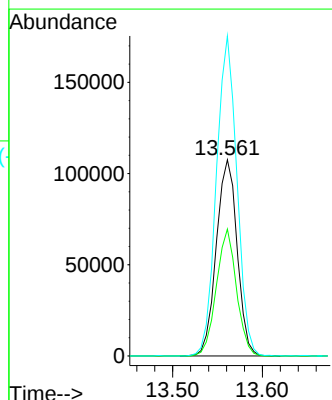
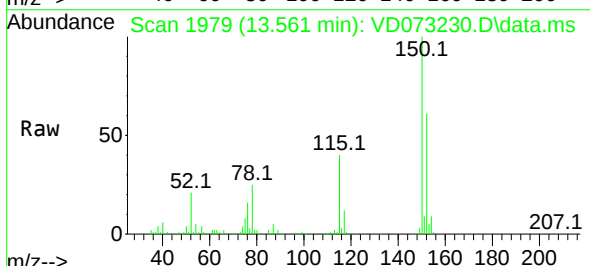
Tgt Ion:152 Resp: 173541

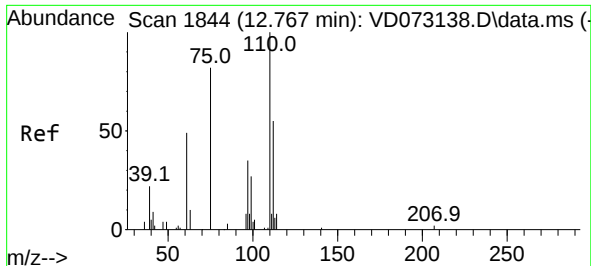
Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.8

150 160.5 0.0 348.6

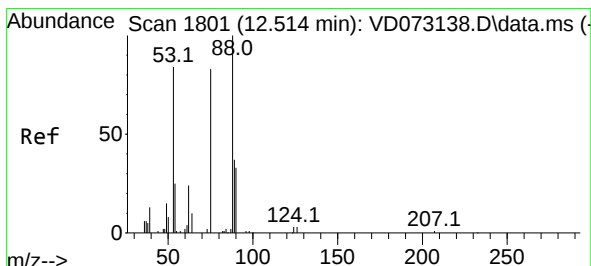
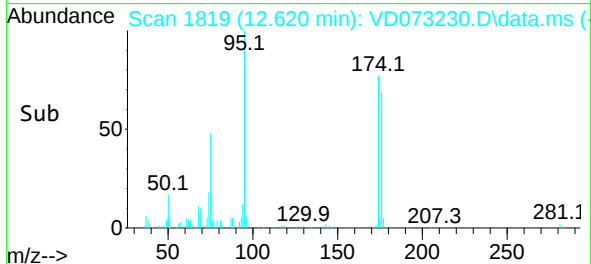
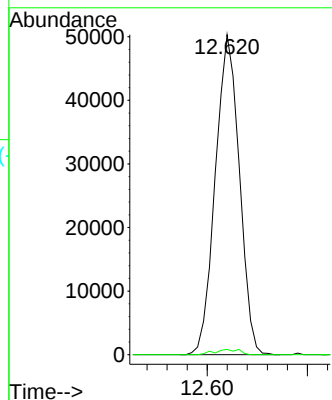
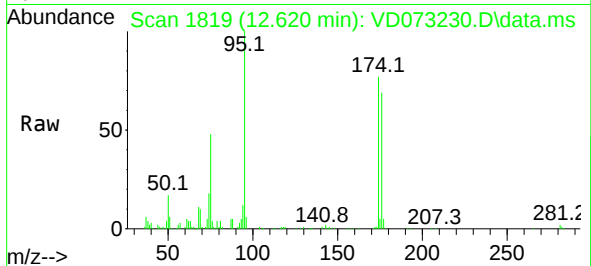




#76
1,2,3-Trichloropropane
Concen: 49.171 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

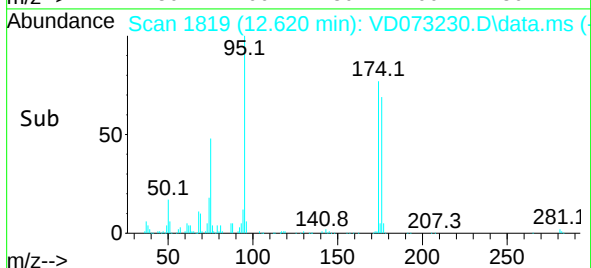
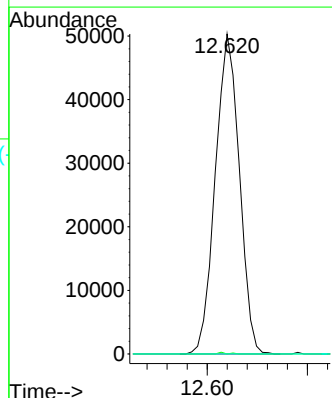
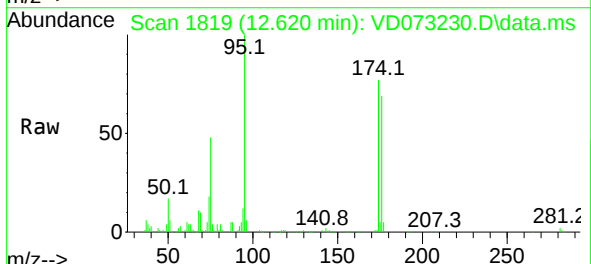
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0006-01

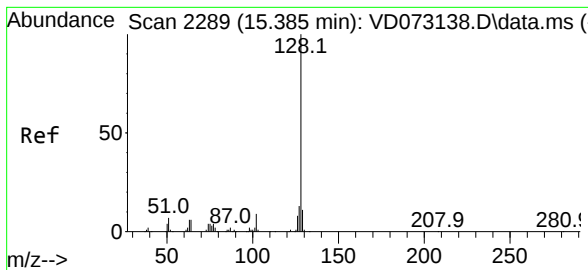
Tgt Ion: 75 Resp: 83726
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.045 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

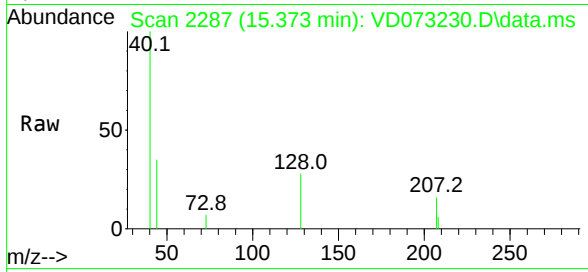
Tgt Ion: 75 Resp: 83726
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.753 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073230.D
Acq: 21 May 2022 15:26

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-0006-01



Tgt Ion:	128	Resp:	1292
Ion	Ratio	Lower	Upper
128	100		
127	4.8	10.3	15.5#
129	0.0	8.4	12.6#

