

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073039.D
 Acq On : 16 May 2022 17:08
 Operator : VA/SY
 Sample : N2816-19
 Misc : 5.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS011-0006-01

Quant Time: May 17 03:29:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

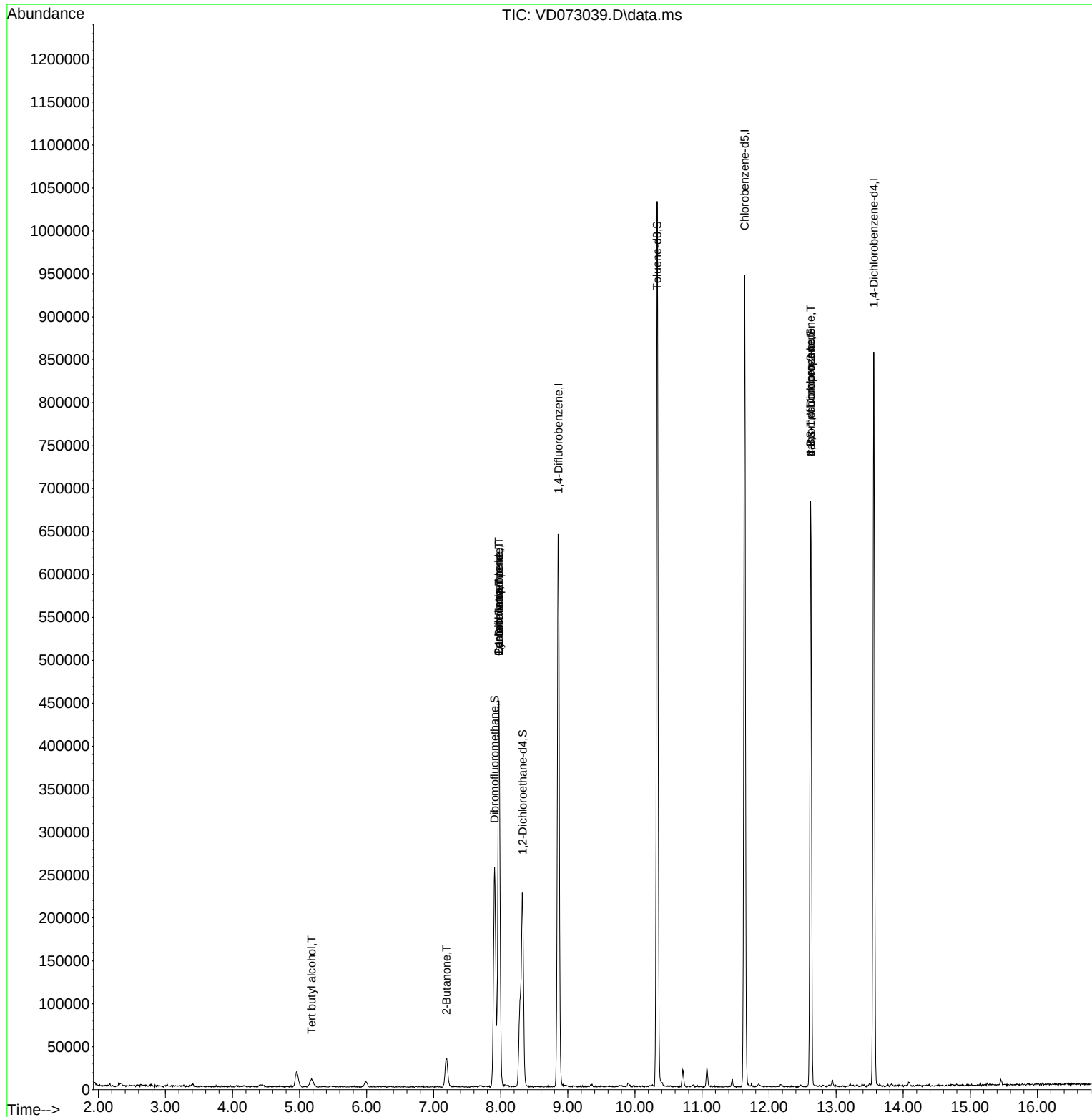
Internal Standards						
1) Pentafluorobenzene	7.973	168	317584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	560732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	538073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	224111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166898	40.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.960%
35) Dibromofluoromethane	7.908	113	185418	47.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.160%
50) Toluene-d8	10.332	98	674322	47.735	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.480%
62) 4-Bromofluorobenzene	12.620	95	226199	42.944	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.880%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1024	Below Cal	#	80
11) Tert butyl alcohol	5.179	59	9339	26.183	ug/l #	74
16) Acetone	4.162	43	1534	Below Cal		93
18) Methyl Acetate	4.714	43	62	Below Cal	#	55
20) Methylene Chloride	4.961	84	13567	Below Cal	#	78
25) 2-Butanone	7.191	43	2131	1.774	ug/l #	52
31) Cyclohexane	7.973	56	7946	1.103	ug/l #	9
36) 1,1-Dichloropropene	7.973	75	26259	4.101	ug/l #	51
38) Carbon Tetrachloride	7.973	117	33718	5.073	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	117425	46.989	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	117425	108.056	ug/l #	7

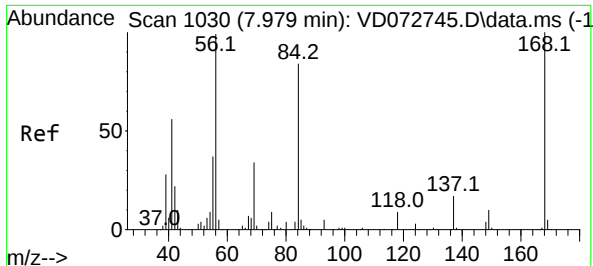
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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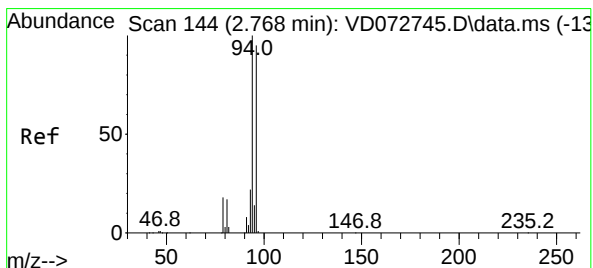
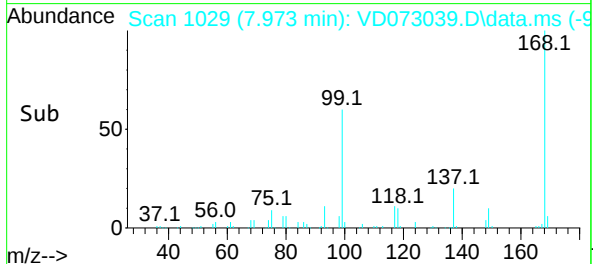
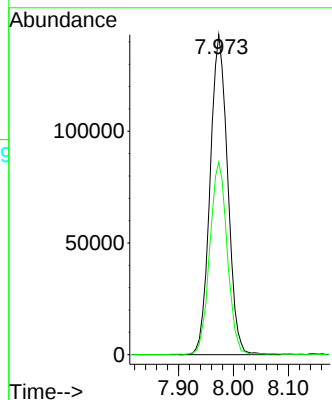
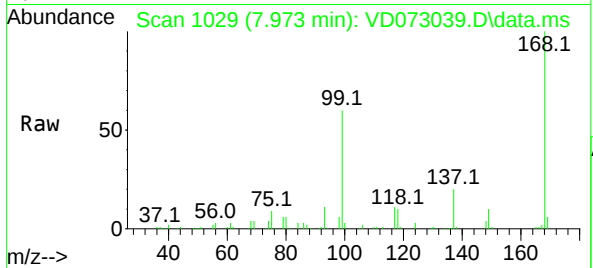




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

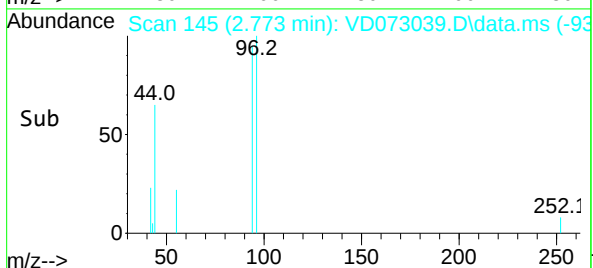
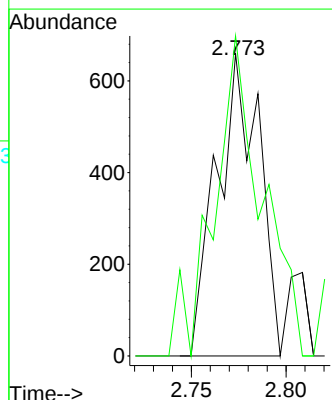
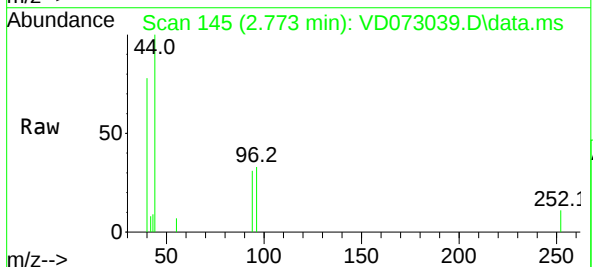
Instrument :
MSVOA_D
ClientSampleId :
P007-SS011-0006-01

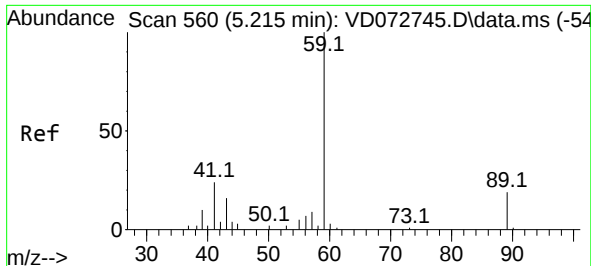
Tgt Ion:168 Resp: 317584
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

Tgt Ion: 94 Resp: 1024
Ion Ratio Lower Upper
94 100
96 77.3 77.6 116.4#

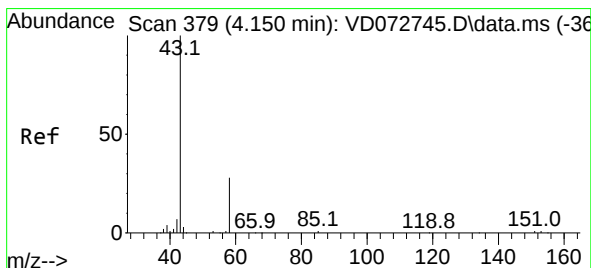
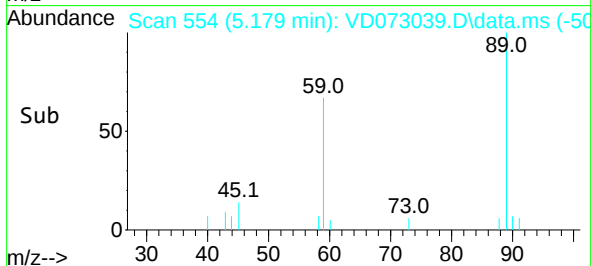
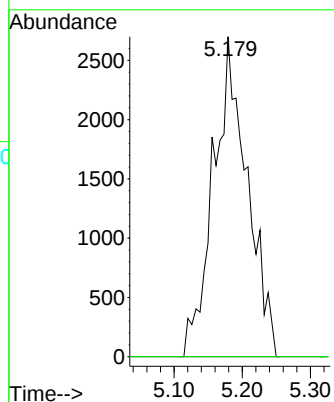
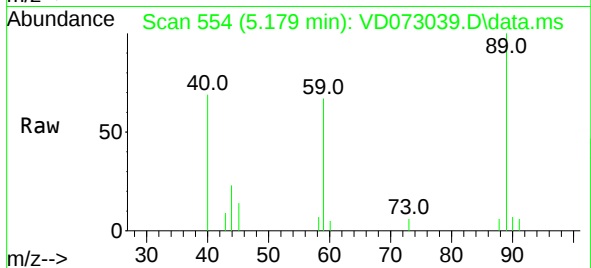




#11
Tert butyl alcohol
Concen: 26.183 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

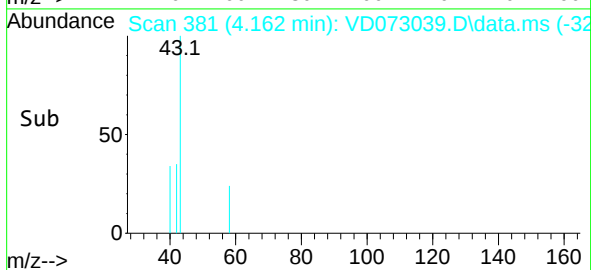
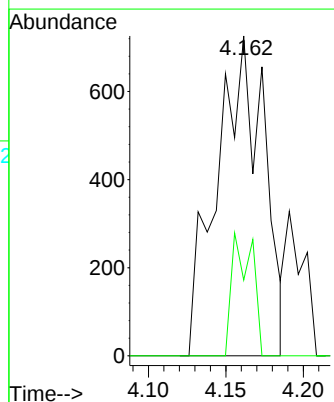
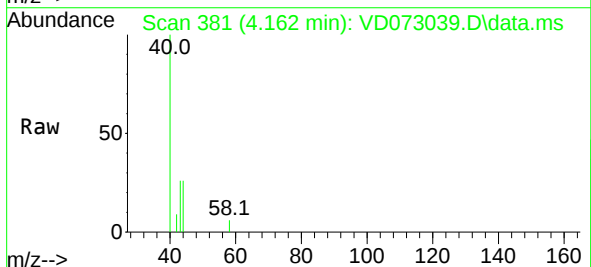
Instrument :
MSVOA_D
ClientSampleId :
P007-SS011-0006-01

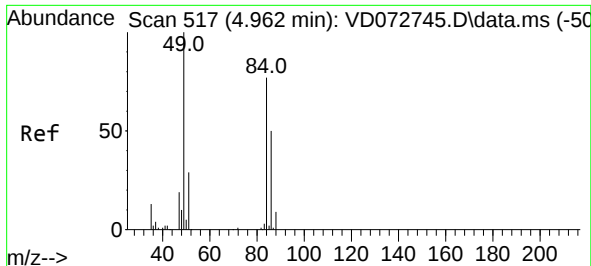
Tgt Ion: 59 Resp: 9339
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

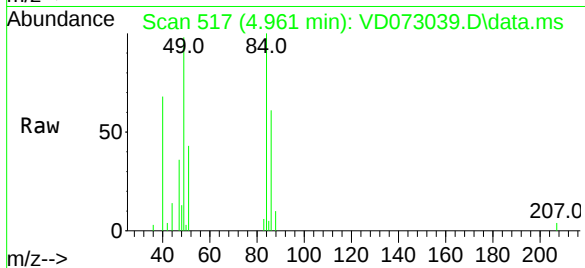
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 23.7 22.1 33.1





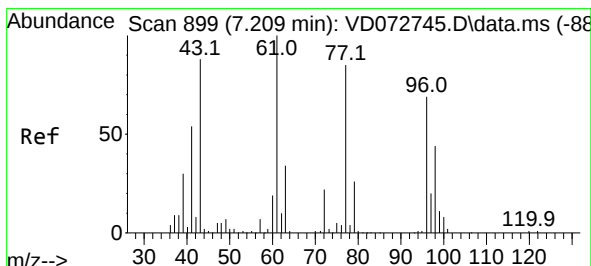
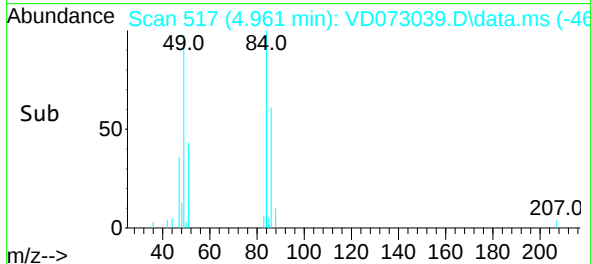
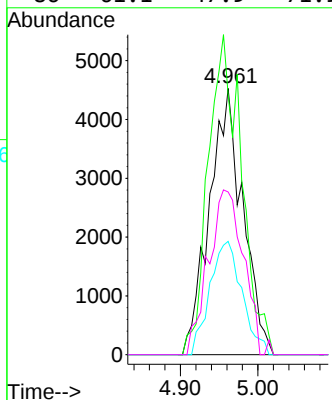
#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

Instrument :
MSVOA_D
ClientSampleId :
P007-SS011-0006-01



Tgt Ion: 84 Resp: 13567

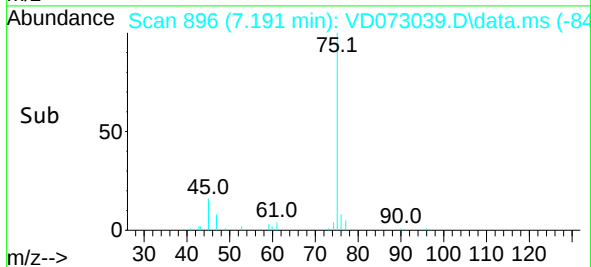
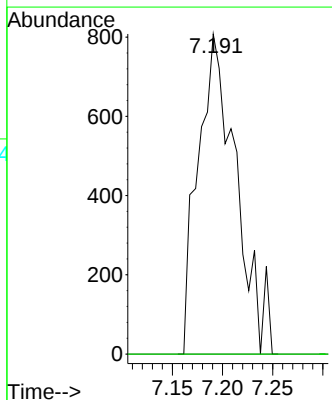
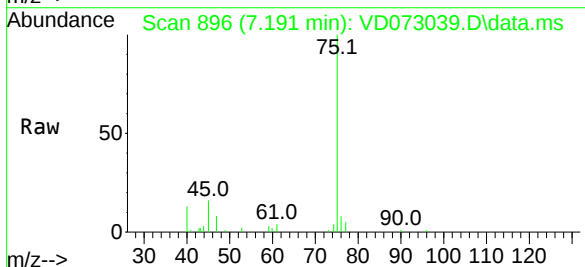
Ion	Ratio	Lower	Upper
84	100		
49	97.7	112.8	169.2#
51	42.6	32.6	48.8
86	61.1	47.9	71.9

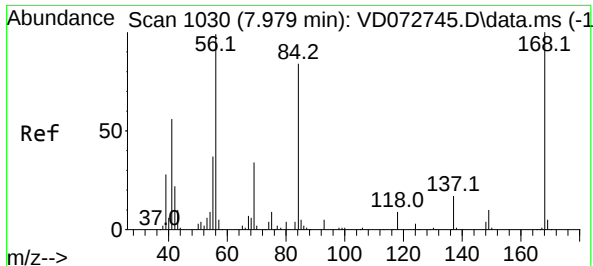


#25
2-Butanone
Concen: 1.774 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

Tgt Ion: 43 Resp: 2131

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.103 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073039.D

Acq: 16 May 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

P007-SS011-0006-01

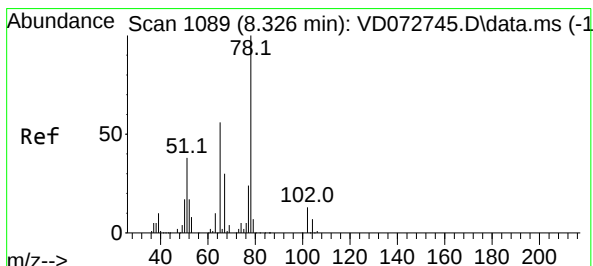
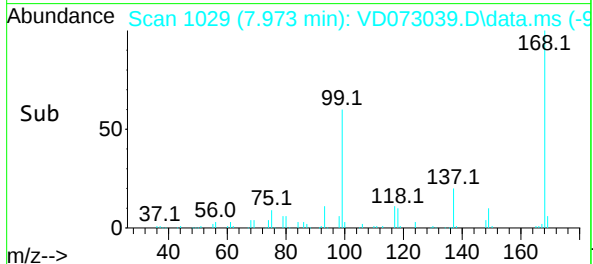
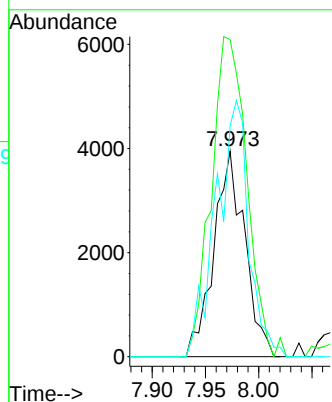
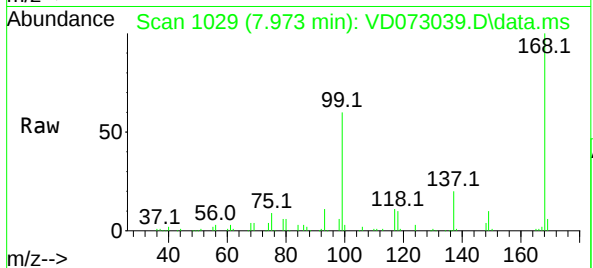
Tgt Ion: 56 Resp: 7946

Ion Ratio Lower Upper

56 100

69 154.4 25.4 38.2#

84 112.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 40.485 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073039.D

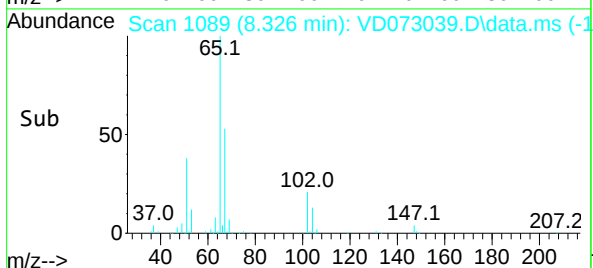
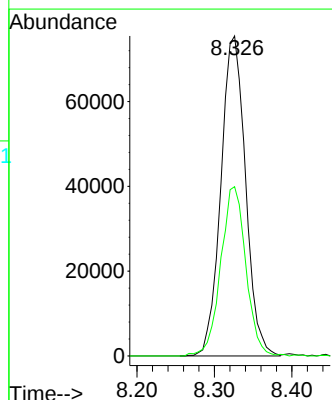
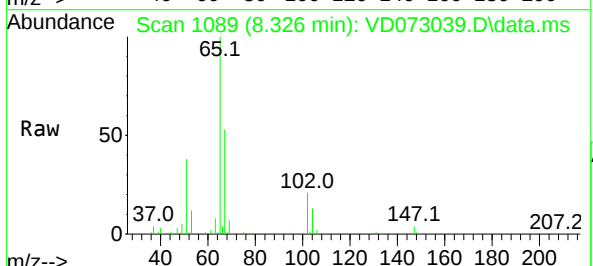
Acq: 16 May 2022 17:08

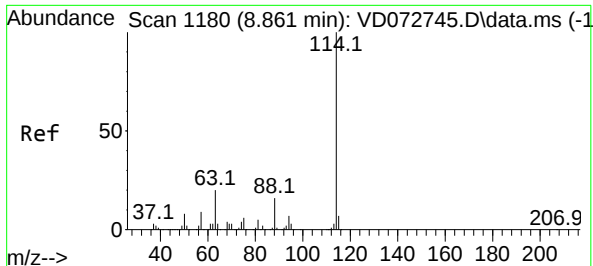
Tgt Ion: 65 Resp: 166898

Ion Ratio Lower Upper

65 100

67 54.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073039.D

Acq: 16 May 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

P007-SS011-0006-01

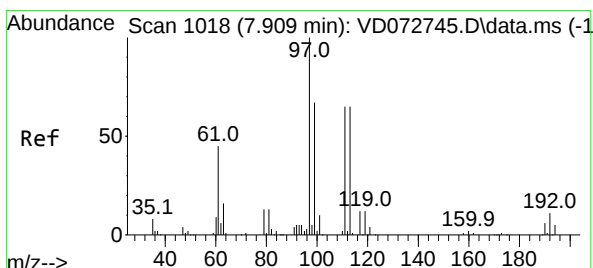
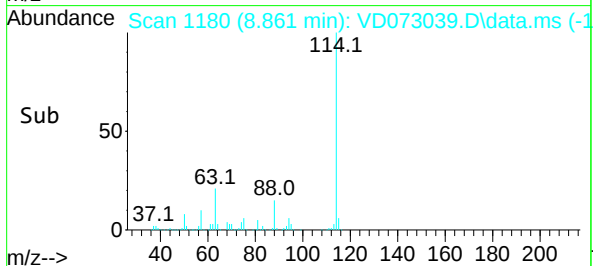
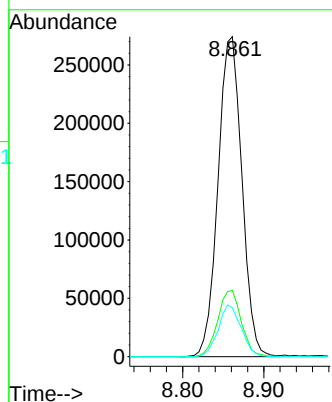
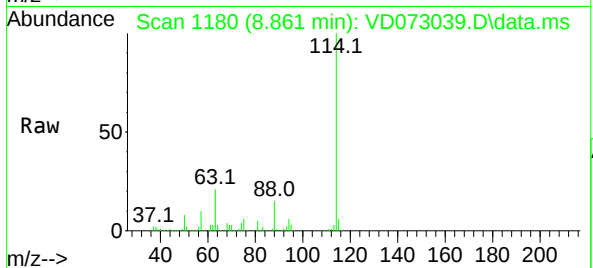
Tgt Ion:114 Resp: 560732

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.083 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073039.D

Acq: 16 May 2022 17:08

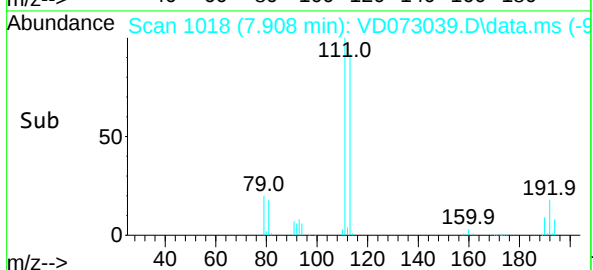
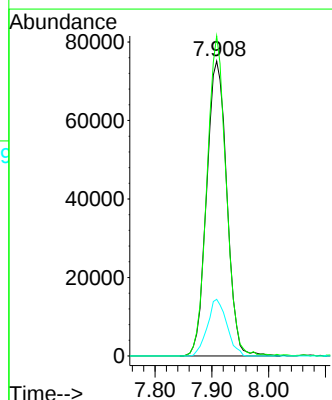
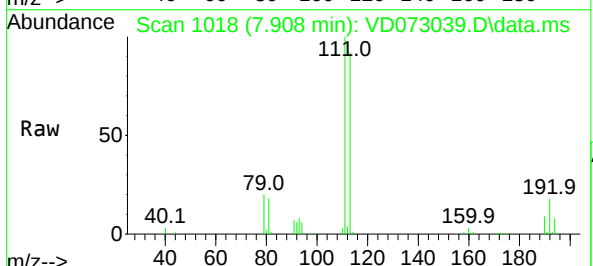
Tgt Ion:113 Resp: 185418

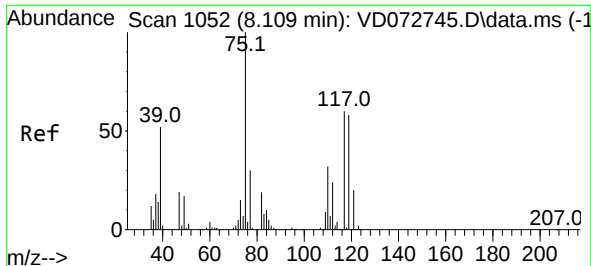
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.101 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD073039.D

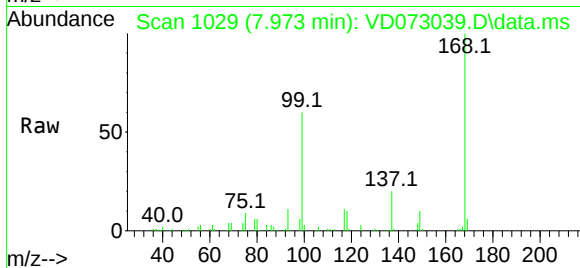
Acq: 16 May 2022 17:08

Instrument :

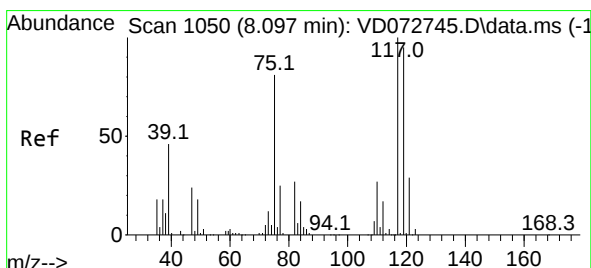
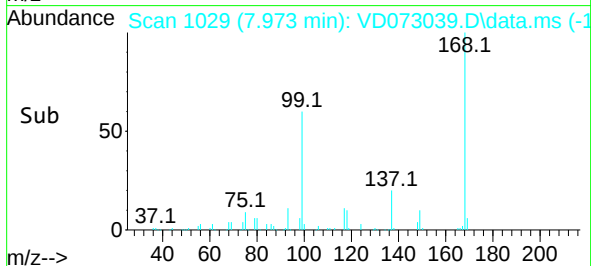
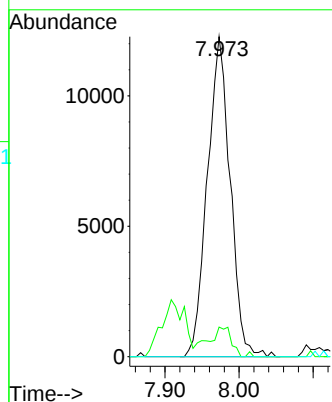
MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	26259
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.073 ug/l

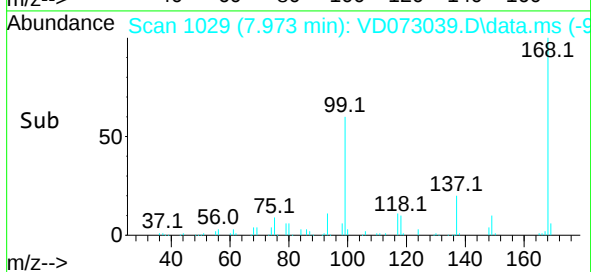
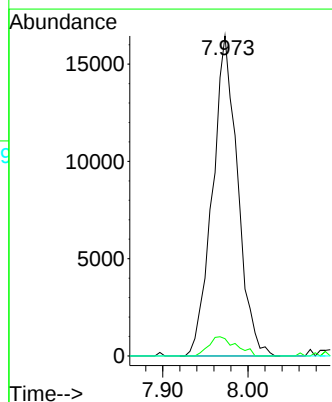
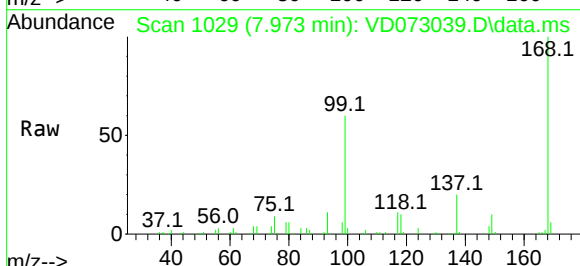
RT: 7.973 min Scan# 1029

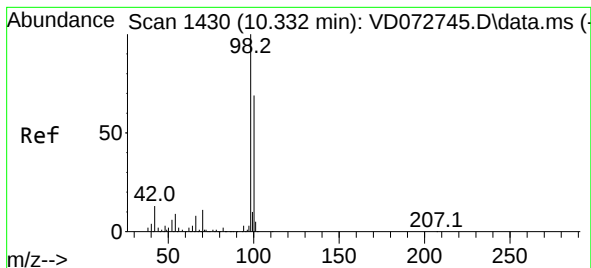
Delta R.T. -0.124 min

Lab File: VD073039.D

Acq: 16 May 2022 17:08

Tgt Ion:	117	Resp:	33718
Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.6#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 47.735 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073039.D

Acq: 16 May 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

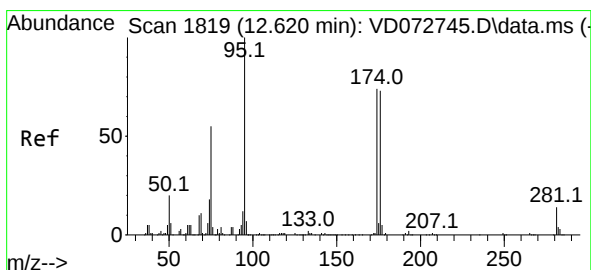
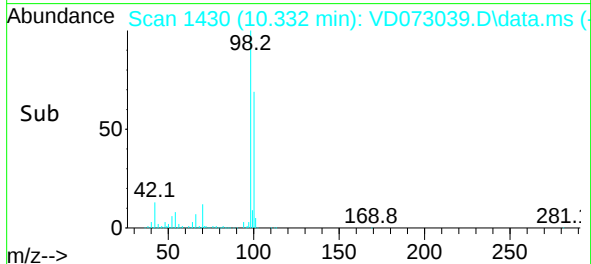
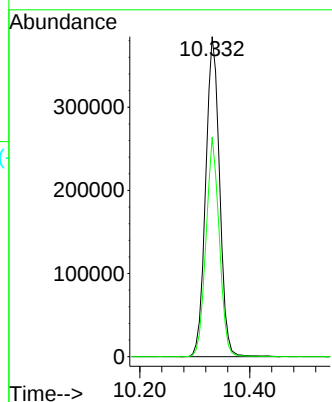
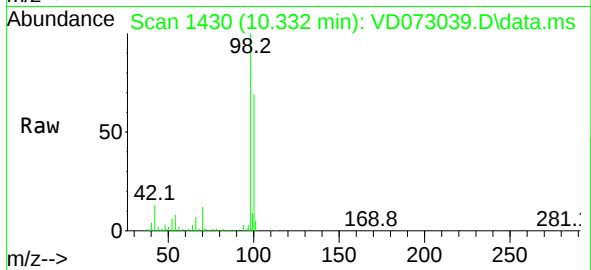
P007-SS011-0006-01

Tgt Ion: 98 Resp: 674322

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.944 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073039.D

Acq: 16 May 2022 17:08

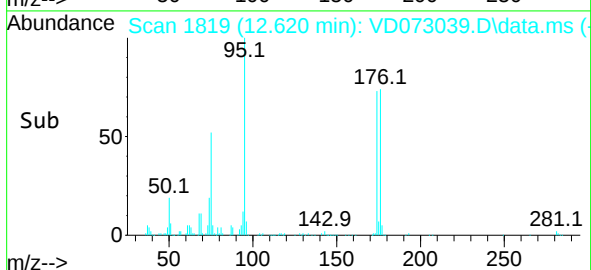
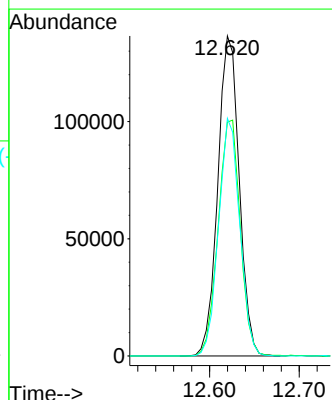
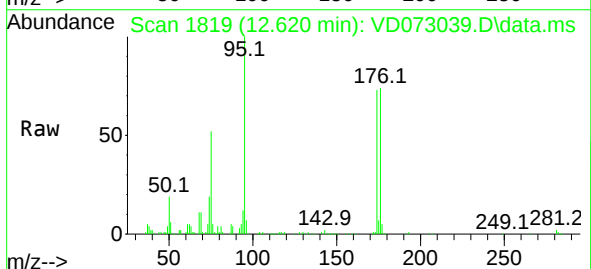
Tgt Ion: 95 Resp: 226199

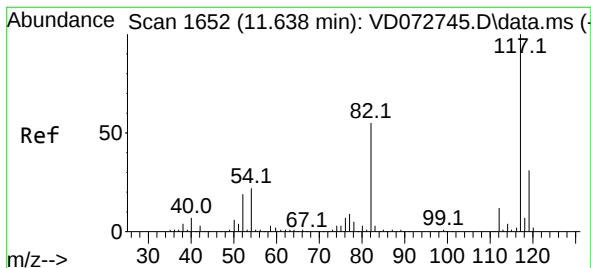
Ion Ratio Lower Upper

95 100

174 75.9 0.0 152.8

176 73.4 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: VD073039.D

Acq: 16 May 2022 17:08

Instrument :

MSVOA_D

ClientSampleId :

P007-SS011-0006-01

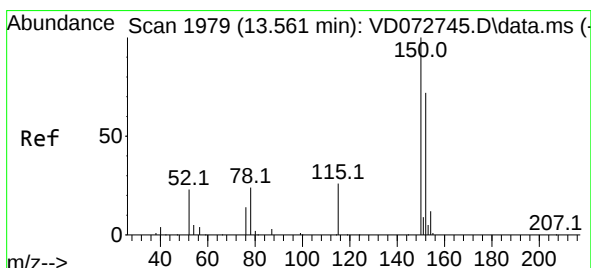
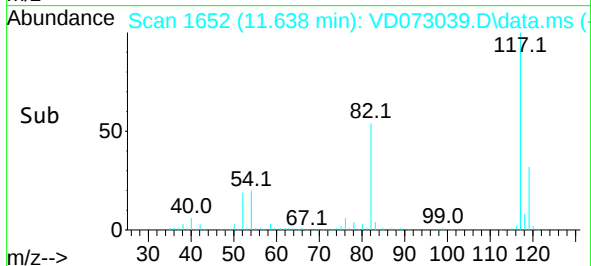
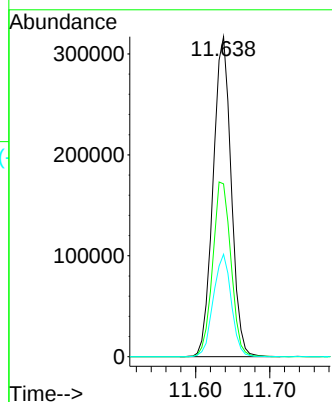
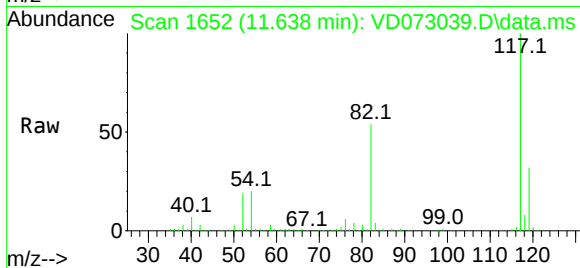
Tgt Ion:117 Resp: 538073

Ion Ratio Lower Upper

117 100

82 54.0 45.3 67.9

119 32.0 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: VD073039.D

Acq: 16 May 2022 17:08

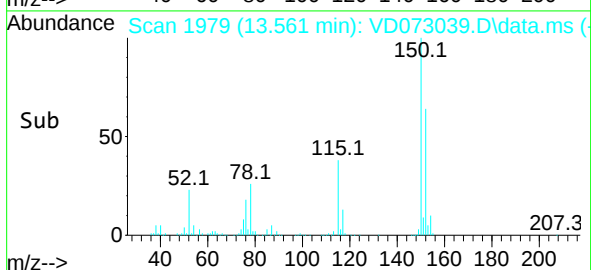
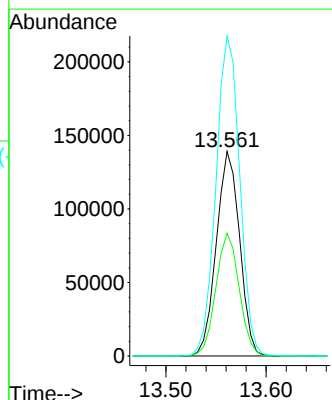
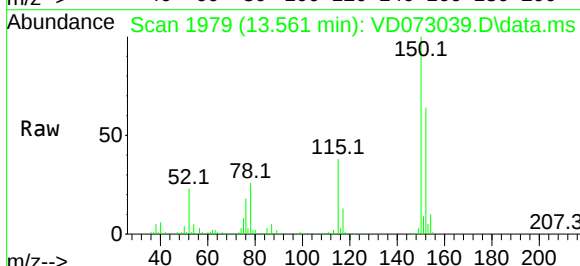
Tgt Ion:152 Resp: 224111

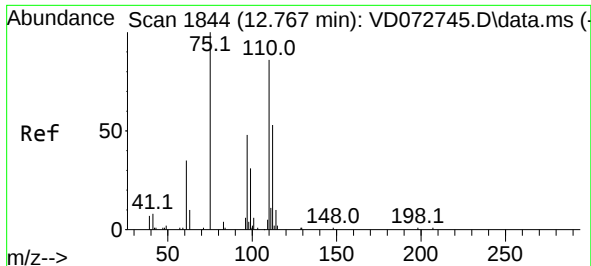
Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 160.0 0.0 348.6

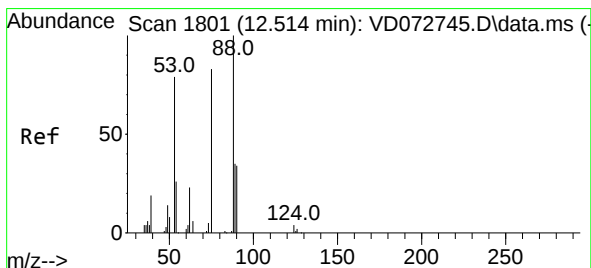
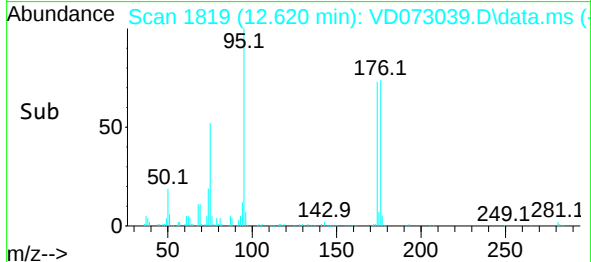
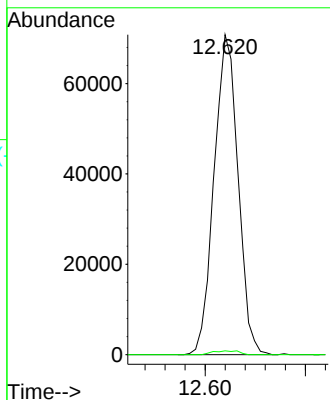
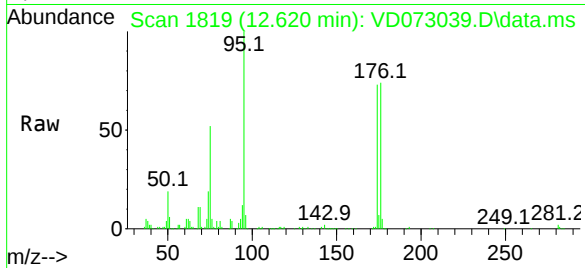




#76
1,2,3-Trichloropropane
Concen: 46.989 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

Instrument :
MSVOA_D
ClientSampleId :
P007-SS011-0006-01

Tgt Ion: 75 Resp: 117425
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.056 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073039.D
Acq: 16 May 2022 17:08

Tgt Ion: 75 Resp: 117425
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

