

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013717.D
 Acq On : 11 May 2023 15:48
 Operator : KP/MD
 Sample : 02743-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-COMP

Quant Time: May 12 04:43:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

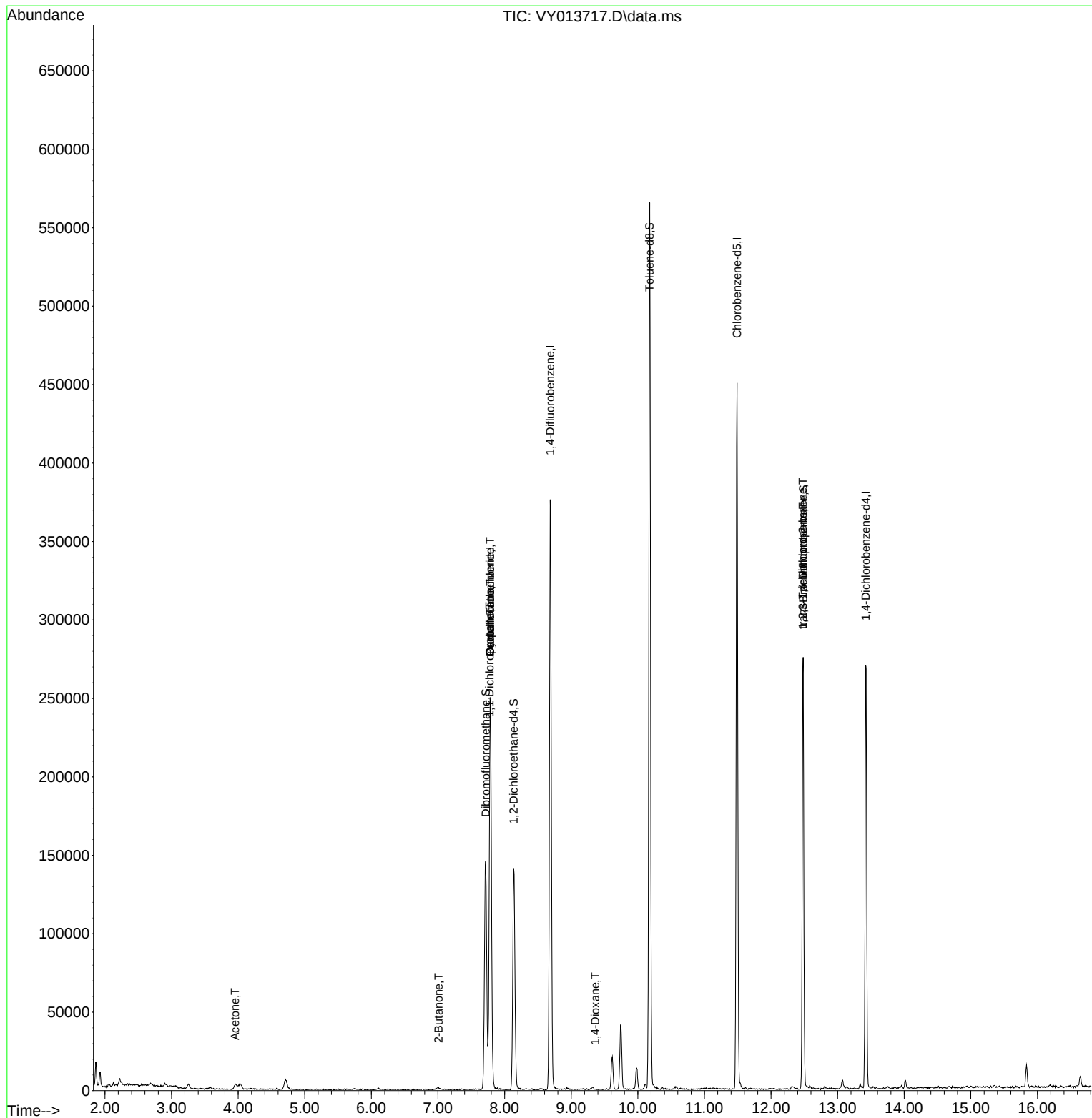
Internal Standards						
1) Pentafluorobenzene	7.783	168	196151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	306549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117995	54.875	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.760%	
35) Dibromofluoromethane	7.716	113	100899	52.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.179	98	368639	53.746	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.500%	
62) 4-Bromofluorobenzene	12.483	95	81311	35.165	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	7306	8.628	ug/l	96
20) Methylene Chloride	4.704	84	4563	Below Cal	#	78
25) 2-Butanone	7.008	43	1825	1.699	ug/l #	88
31) Cyclohexane	7.783	56	4263	1.107	ug/l #	17
36) 1,1-Dichloropropene	7.777	75	14570	4.553	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18931	5.645	ug/l #	16
49) 1,4-Dioxane	9.362	88	41	2.036	ug/l #	25
76) 1,2,3-Trichloropropane	12.477	75	42606	43.105	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	42606	88.174	ug/l #	13

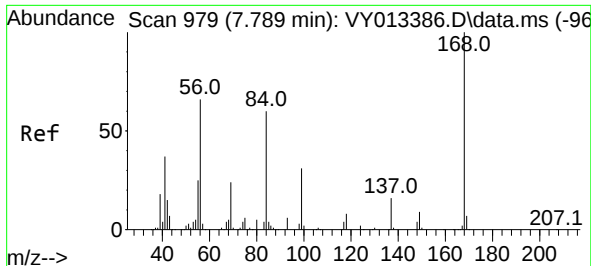
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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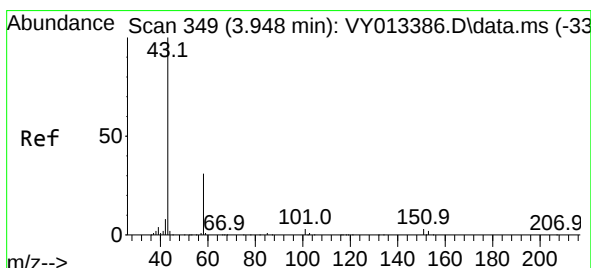
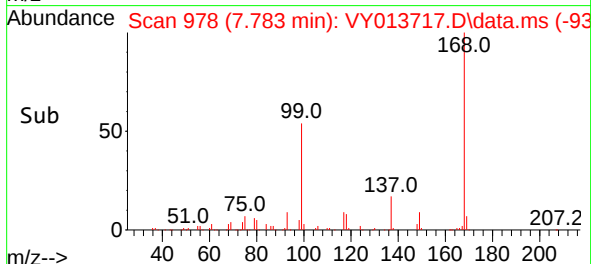
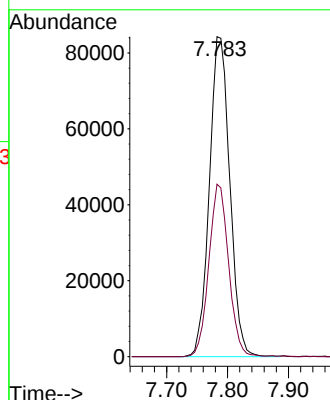
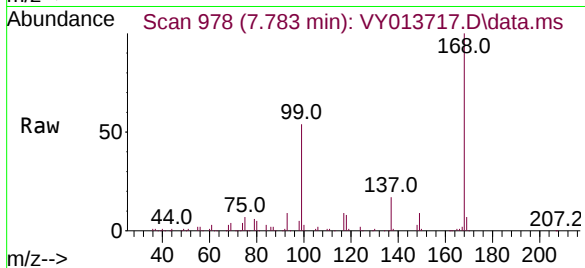




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

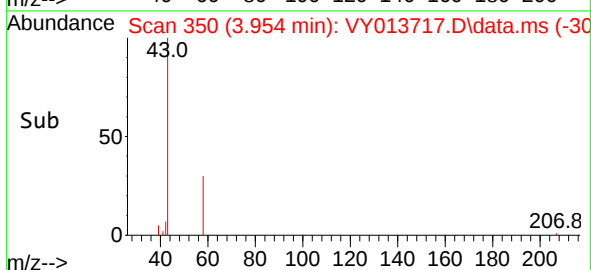
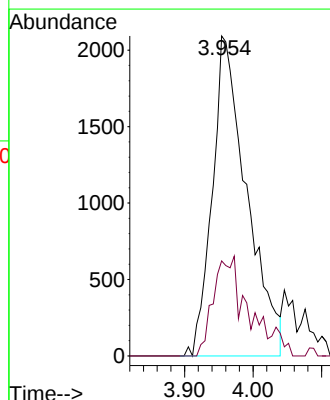
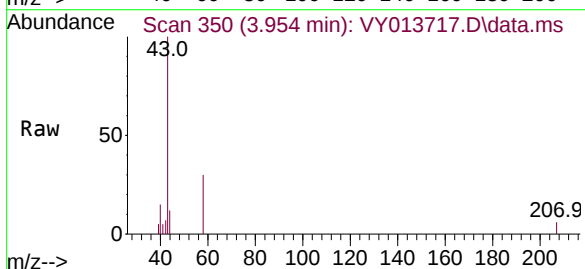
Instrument :
MSVOA_Y
ClientSampleId :
RO-COMP

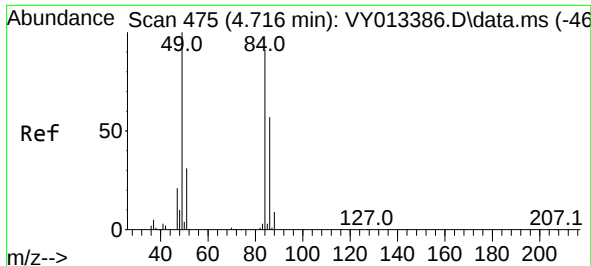
Tgt Ion:168 Resp: 196151
Ion Ratio Lower Upper
168 100
99 53.9 41.8 62.6



#16
Acetone
Concen: 8.628 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

Tgt Ion: 43 Resp: 7306
Ion Ratio Lower Upper
43 100
58 29.7 25.4 38.0

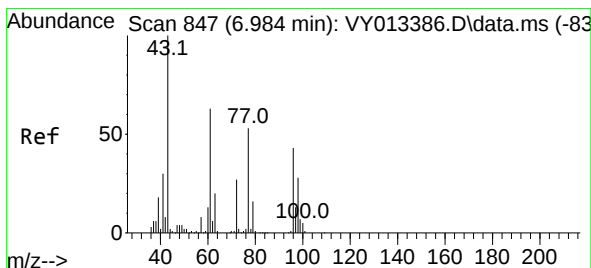
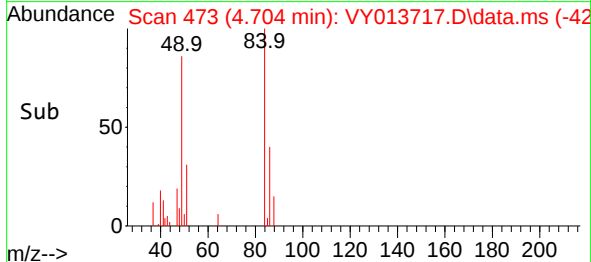
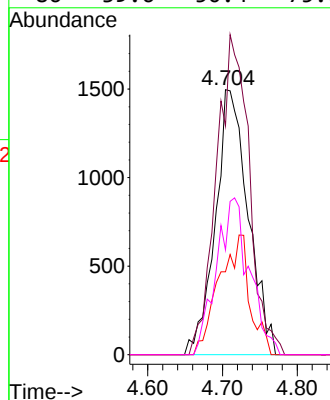
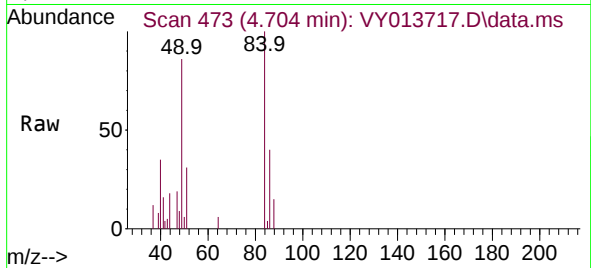




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

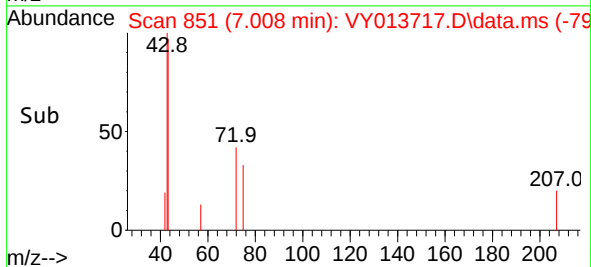
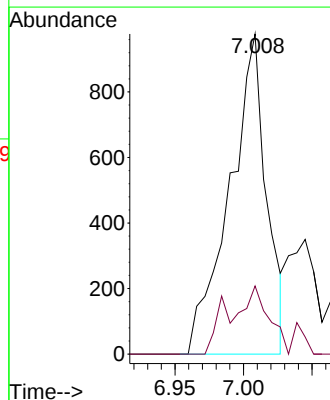
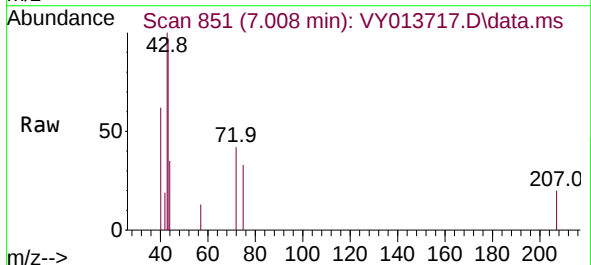
Instrument :
MSVOA_Y
ClientSampleId :
RO-COMP

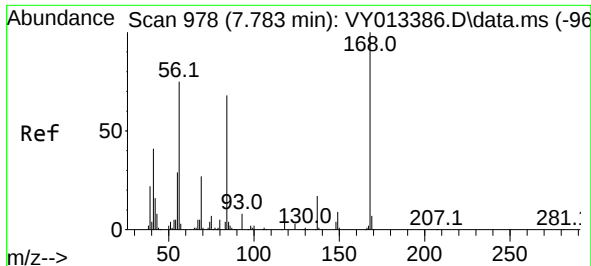
Tgt Ion: 84 Resp: 4563
Ion Ratio Lower Upper
84 100
49 86.4 88.0 132.0#
51 31.3 27.4 41.0
86 39.6 50.4 75.6#



#25
2-Butanone
Concen: 1.699 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.024 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
72 21.3 21.9 32.9#

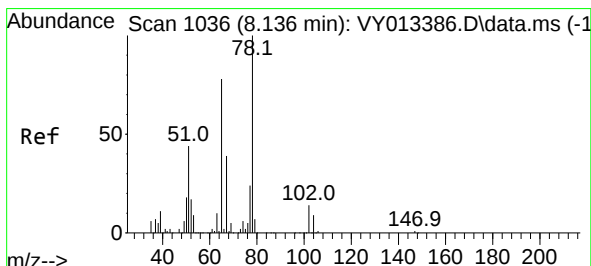
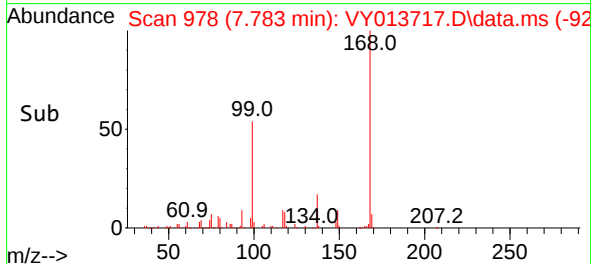
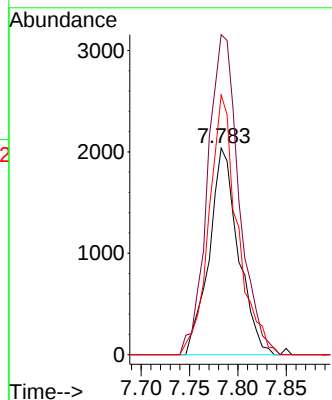
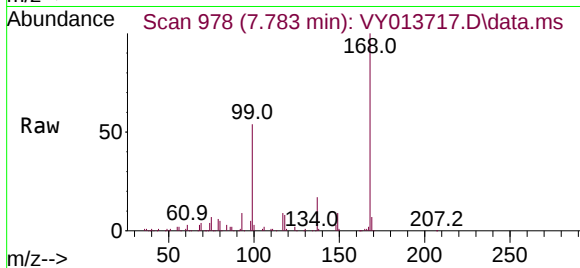




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

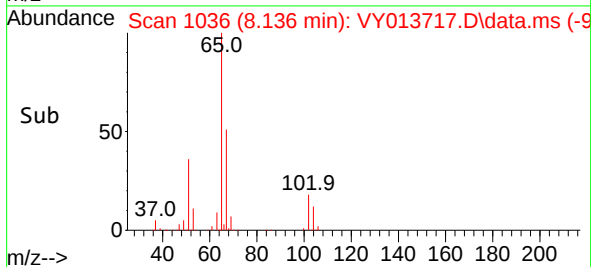
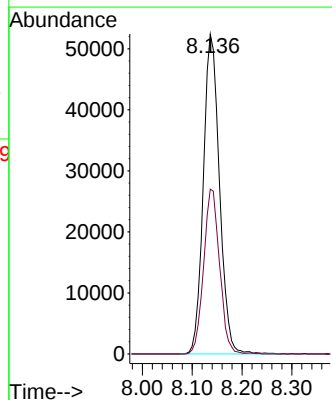
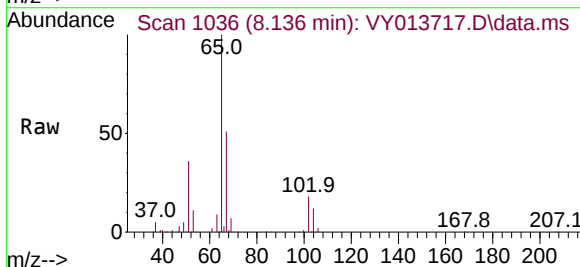
Instrument :
MSVOA_Y
ClientSampleId :
RO-COMP

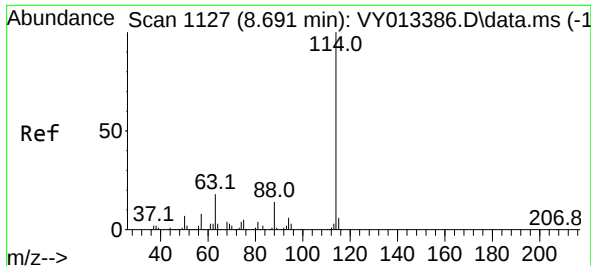
Tgt Ion: 56 Resp: 4263
Ion Ratio Lower Upper
56 100
69 154.9 29.2 43.8#
84 125.7 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 54.875 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

Tgt Ion: 65 Resp: 117995
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013717.D

Acq: 11 May 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

RO-COMP

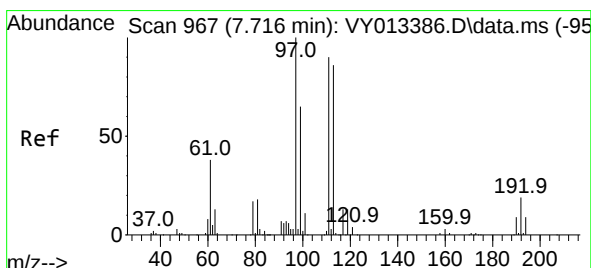
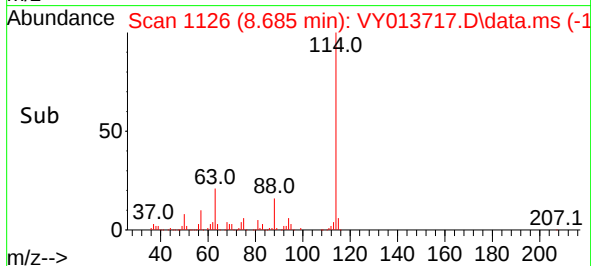
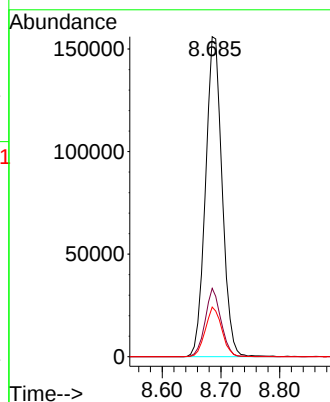
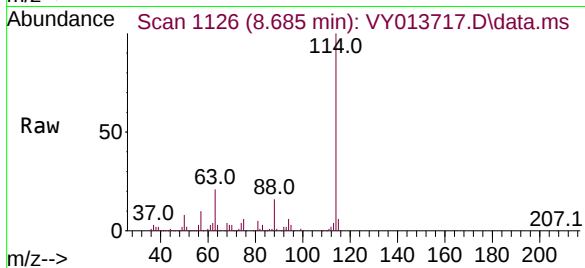
Tgt Ion:114 Resp: 306549

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.6

88 15.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 52.332 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013717.D

Acq: 11 May 2023 15:48

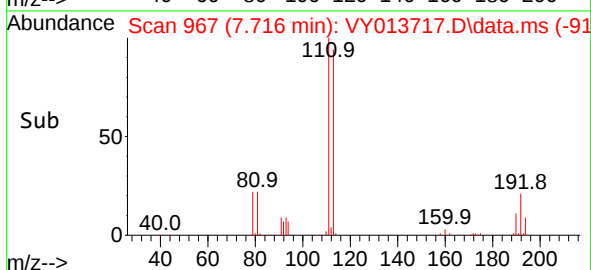
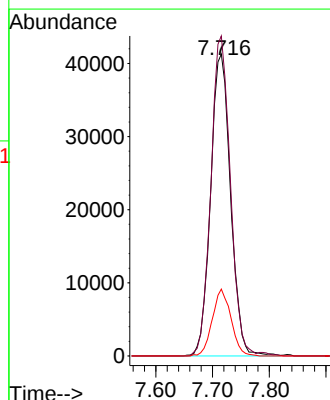
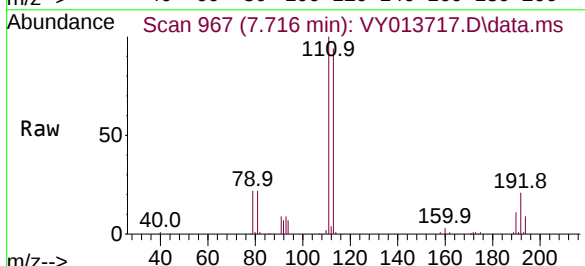
Tgt Ion:113 Resp: 100899

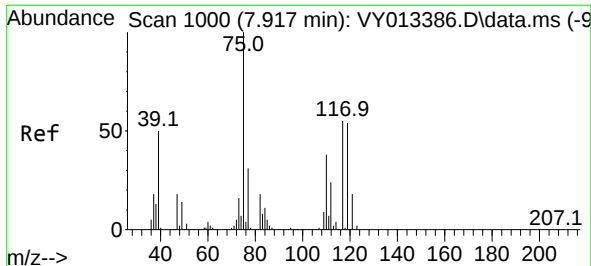
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 20.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.553 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY013717.D

Acq: 11 May 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

RO-COMP

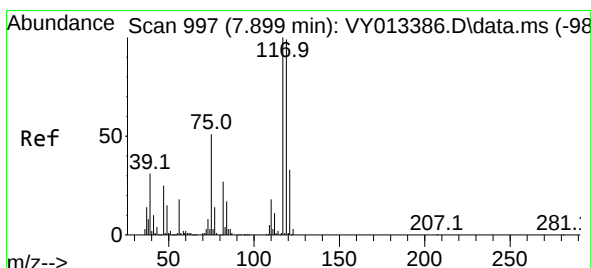
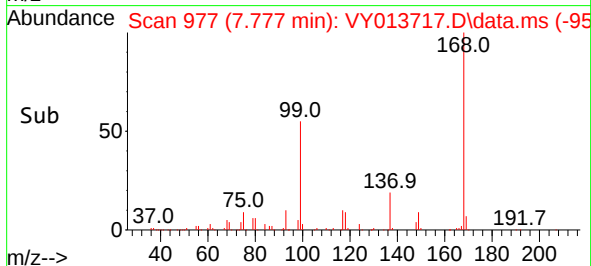
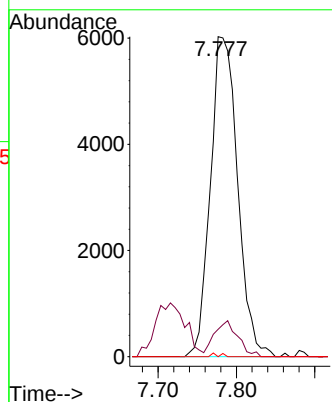
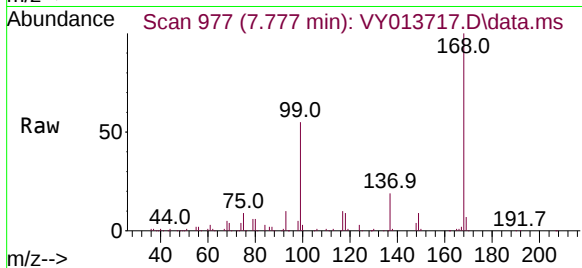
Tgt Ion: 75 Resp: 14570

Ion Ratio Lower Upper

75 100

110 9.7 18.7 56.1#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.645 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013717.D

Acq: 11 May 2023 15:48

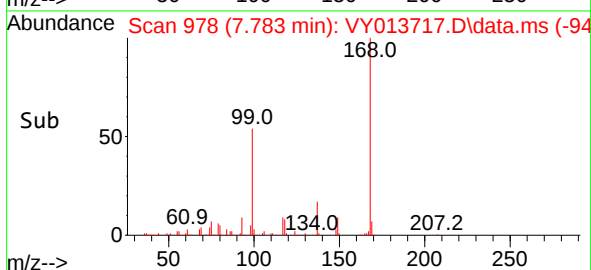
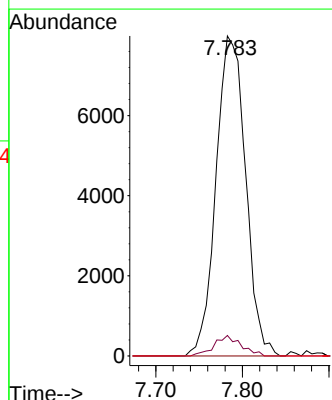
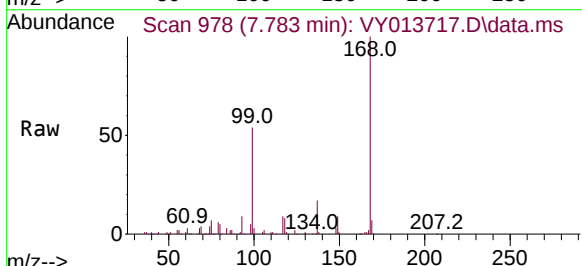
Tgt Ion: 117 Resp: 18931

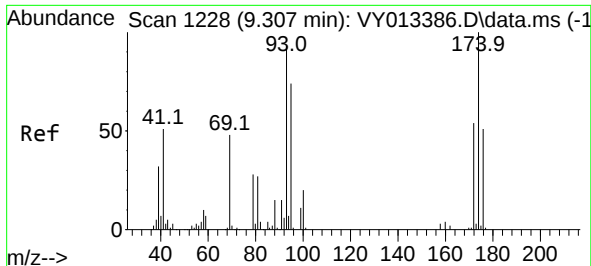
Ion Ratio Lower Upper

117 100

119 6.4 79.0 118.6#

121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 2.036 ug/l

RT: 9.362 min Scan# 1228

Delta R.T. 0.055 min

Lab File: VY013717.D

Acq: 11 May 2023 15:48

Instrument :

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ClientSampleId :

RO-COMP

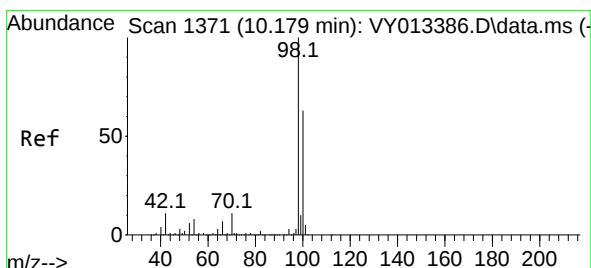
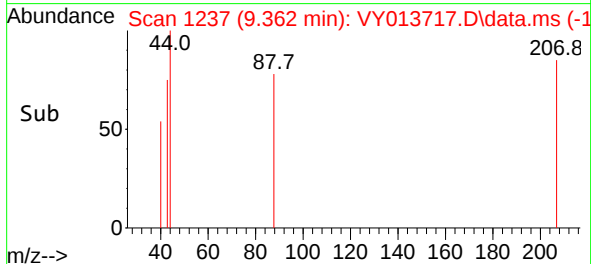
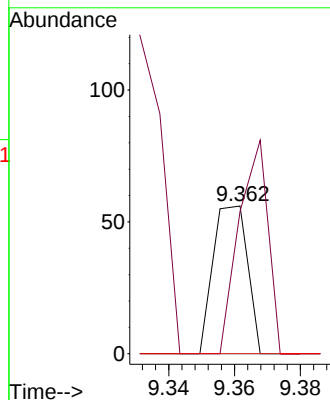
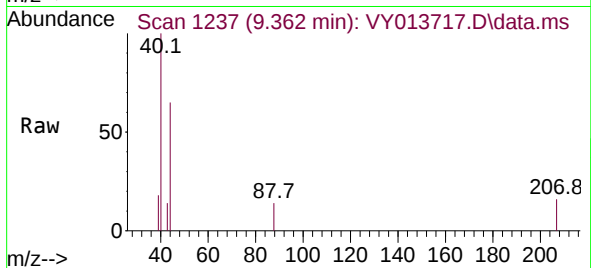
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 53.746 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013717.D

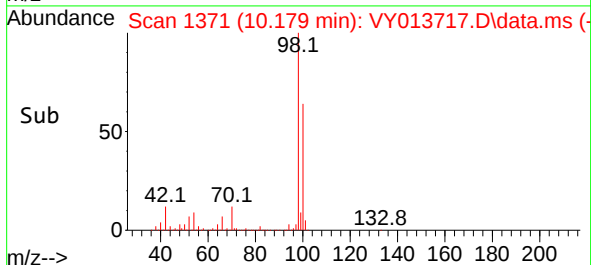
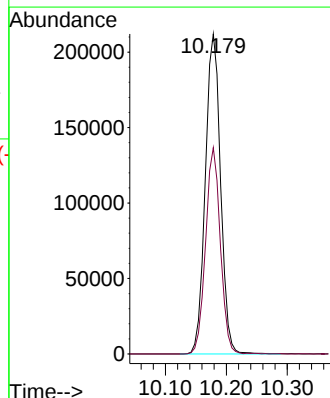
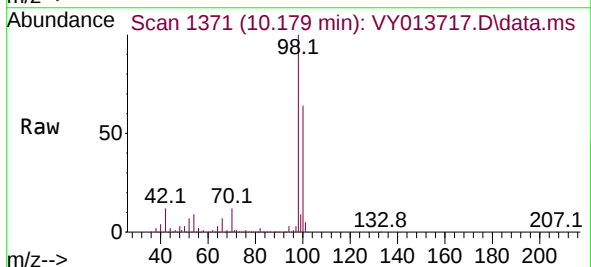
Acq: 11 May 2023 15:48

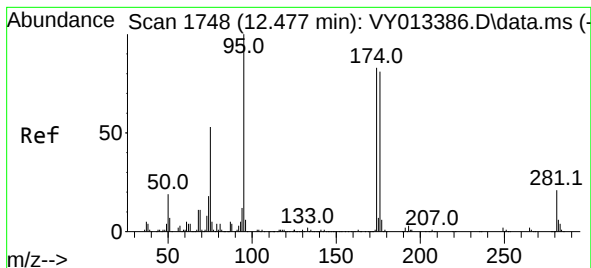
Tgt Ion: 98 Resp: 368639

Ion Ratio Lower Upper

98 100

100 62.4 50.5 75.7

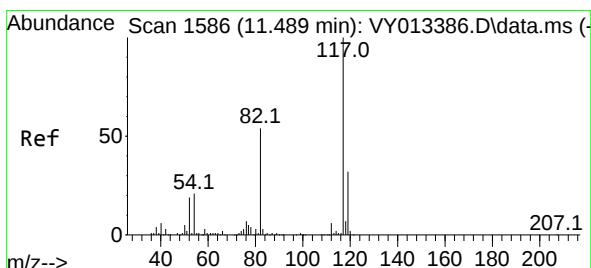
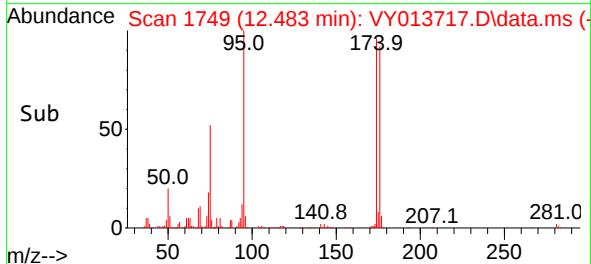
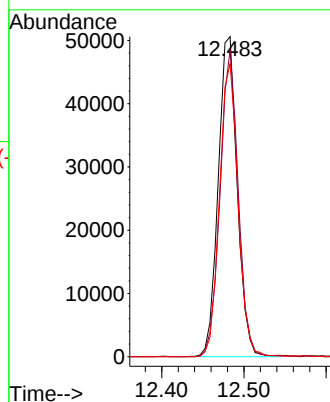
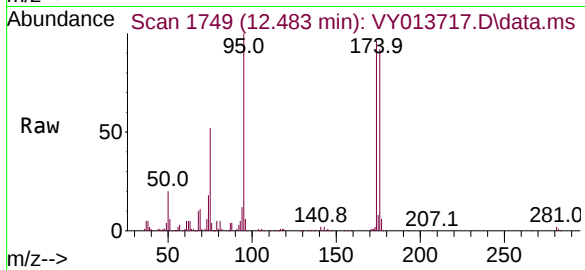




#62
4-Bromofluorobenzene
Concen: 35.165 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

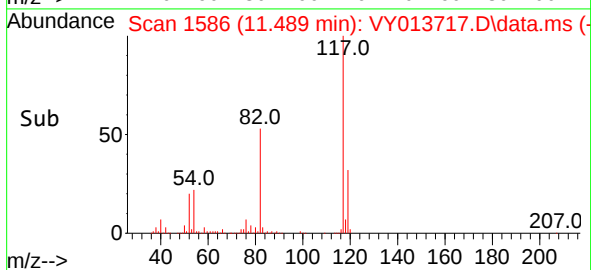
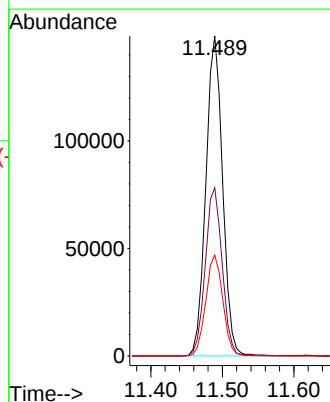
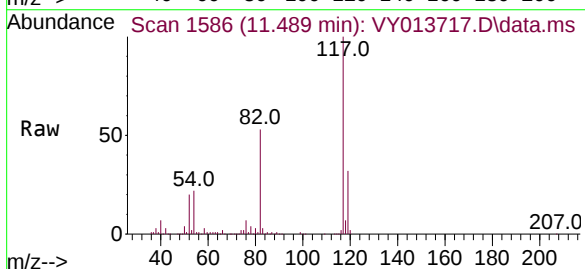
Instrument :
MSVOA_Y
ClientSampleId :
RO-COMP

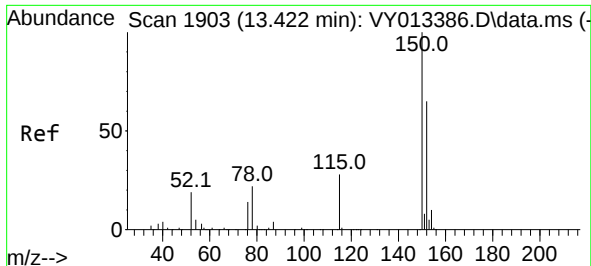
Tgt Ion: 95 Resp: 81311
Ion Ratio Lower Upper
95 100
174 91.5 0.0 182.0
176 89.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013717.D
Acq: 11 May 2023 15:48

Tgt Ion: 117 Resp: 241741
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.6
119 31.6 25.5 38.3

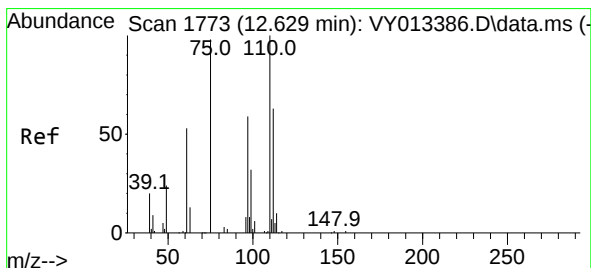
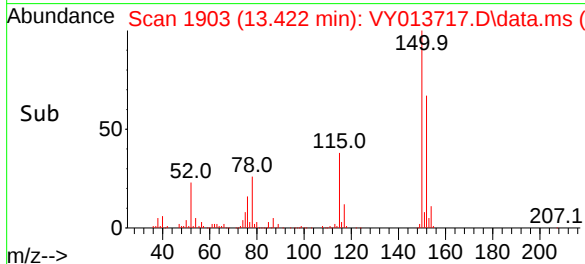
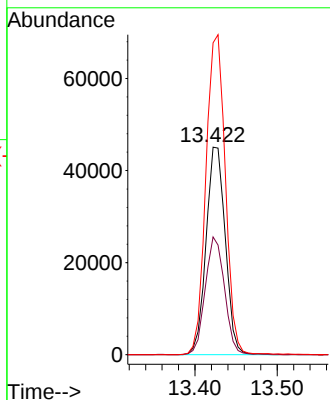
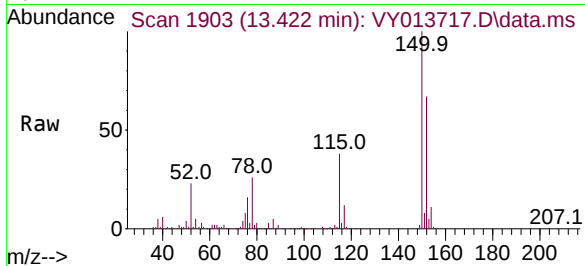




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013717.D
 Acq: 11 May 2023 15:48

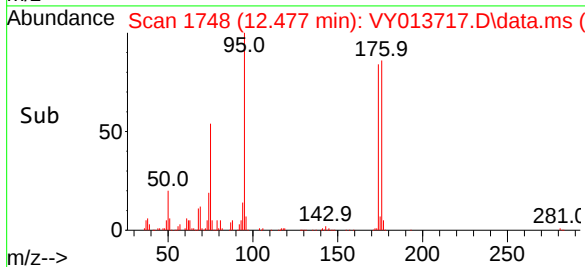
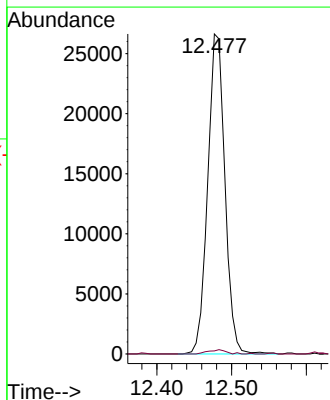
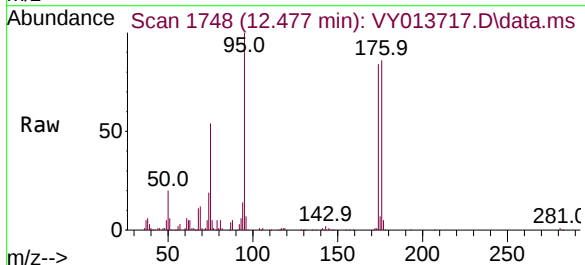
Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-COMP

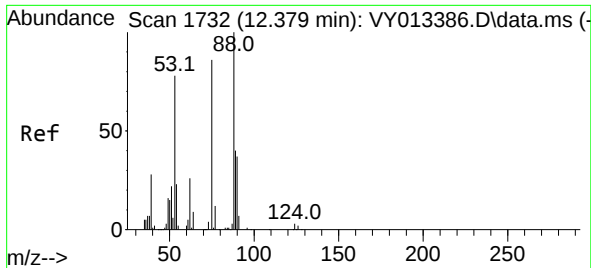
Tgt Ion:152 Resp: 73291
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.1 84.2
 150 155.8 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 43.105 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013717.D
 Acq: 11 May 2023 15:48

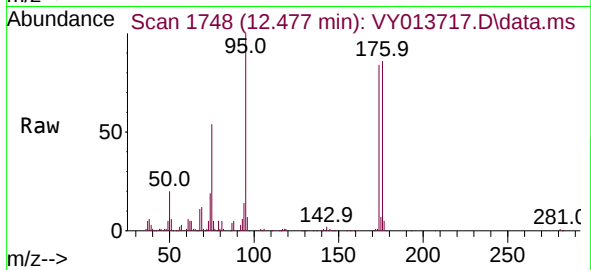
Tgt Ion: 75 Resp: 42606
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.174 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013717.D
 Acq: 11 May 2023 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-COMP



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	73.2	109.8#
89	0.0	38.0	57.0#

