

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013606.D
 Acq On : 04 May 2023 17:36
 Operator : KP/MD
 Sample : 02588-05
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-C-3-6-05012023

Quant Time: May 05 01:00:50 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)

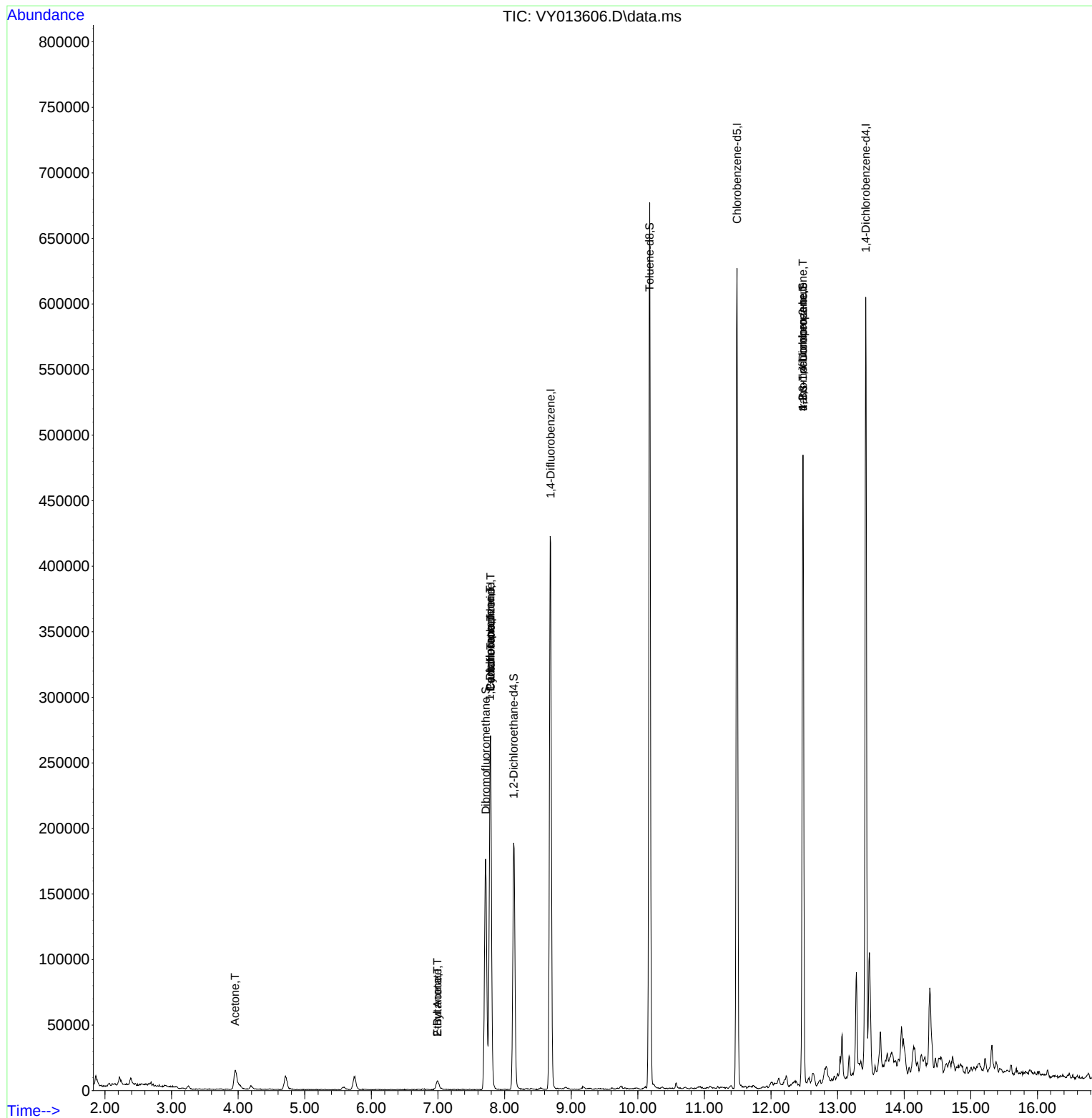
Internal Standards						
1) Pentafluorobenzene	7.789	168	213088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	353341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	340130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156465	66.982	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.960%	
35) Dibromofluoromethane	7.716	113	121787	54.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.600%	
50) Toluene-d8	10.179	98	427418	54.064	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.120%	
62) 4-Bromofluorobenzene	12.477	95	138556	51.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.980%	
Target Compounds						
					Qvalue	
13) Acrolein	3.753	56	358	Below Cal	#	62
16) Acetone	3.954	43	35878	39.002	ug/l	92
20) Methylene Chloride	4.716	84	7324	Below Cal	#	90
25) 2-Butanone	6.990	43	11928	10.224	ug/l	95
31) Cyclohexane	7.789	56	5305	1.268	ug/l	# 52
36) 1,1-Dichloropropene	7.783	75	16130	4.373	ug/l	# 50
37) Ethyl Acetate	6.990	43	11928	4.297	ug/l	# 69
38) Carbon Tetrachloride	7.789	117	21118	5.463	ug/l	# 14
76) 1,2,3-Trichloropropane	12.477	75	75598	37.310	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	75598	76.320	ug/l	# 13

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

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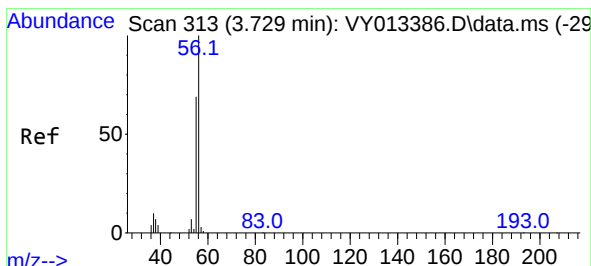
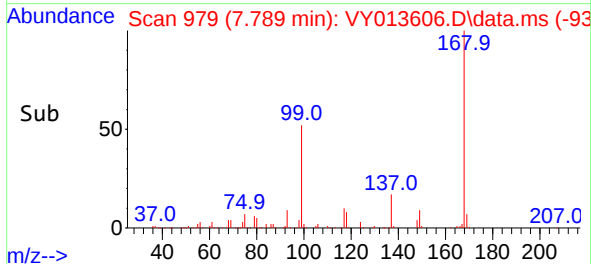
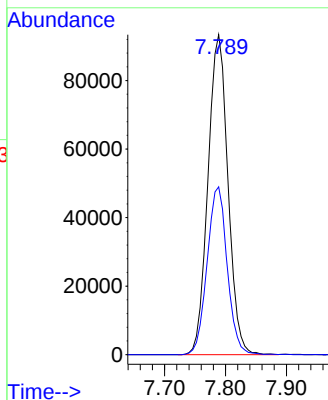
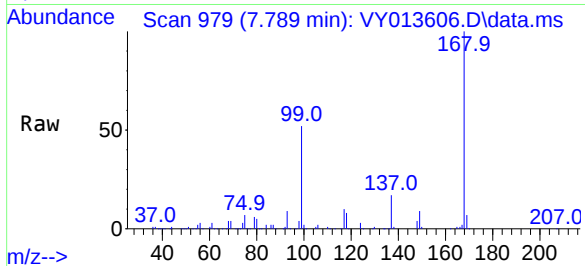




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

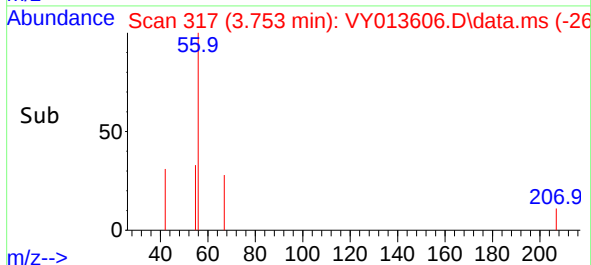
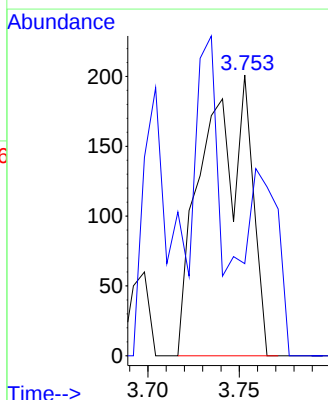
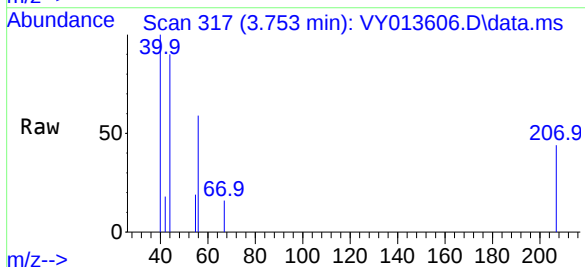
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-3-6-05012023

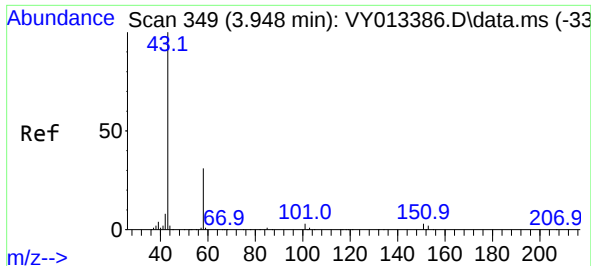
Tgt Ion:168 Resp: 213088
Ion Ratio Lower Upper
168 100
99 52.5 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.024 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 36.9 54.1 81.1#

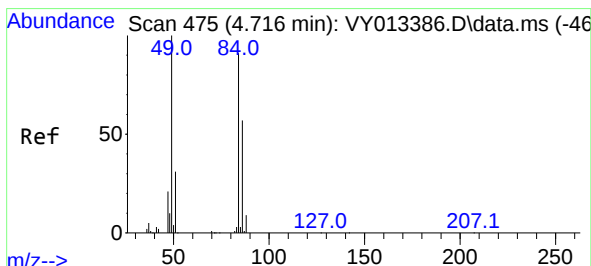
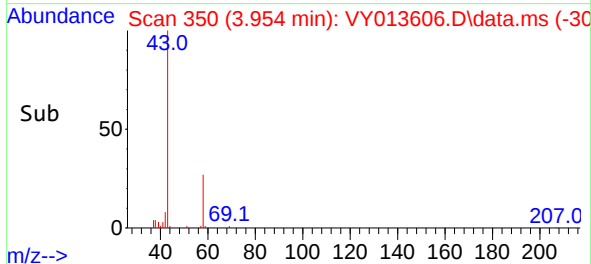
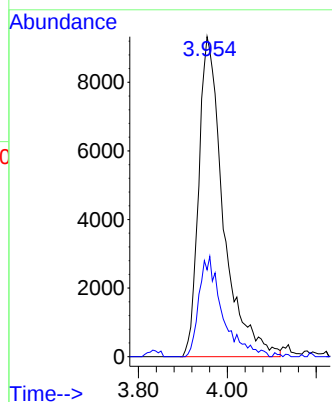
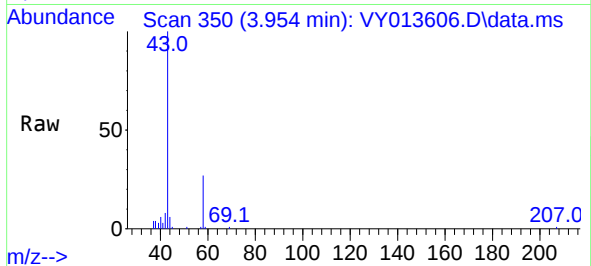




#16
Acetone
Concen: 39.002 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

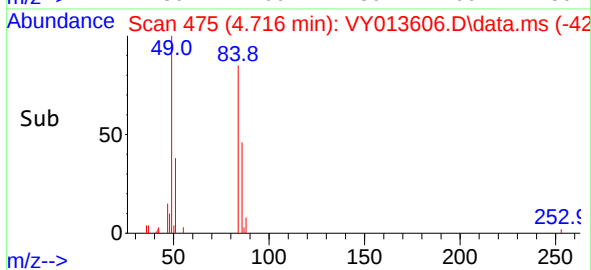
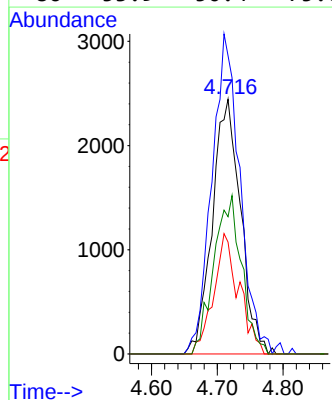
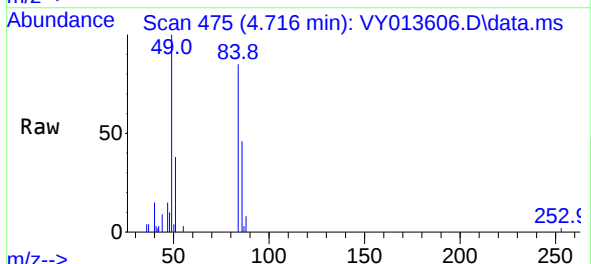
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-3-6-05012023

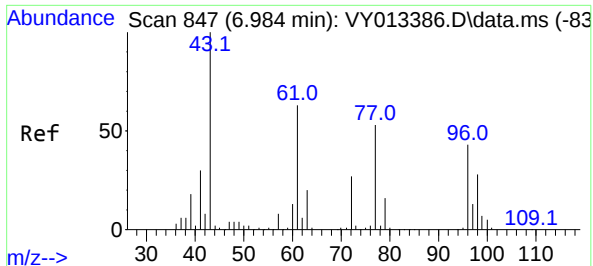
Tgt Ion: 43 Resp: 35878
Ion Ratio Lower Upper
43 100
58 27.2 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

Tgt Ion: 84 Resp: 7324
Ion Ratio Lower Upper
84 100
49 117.1 88.0 132.0
51 43.9 27.4 41.0#
86 53.9 50.4 75.6





#25

2-Butanone

Concen: 10.224 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013606.D

Acq: 04 May 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

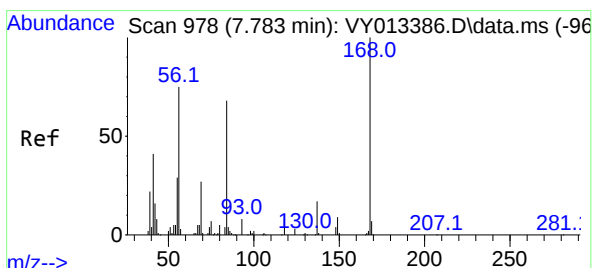
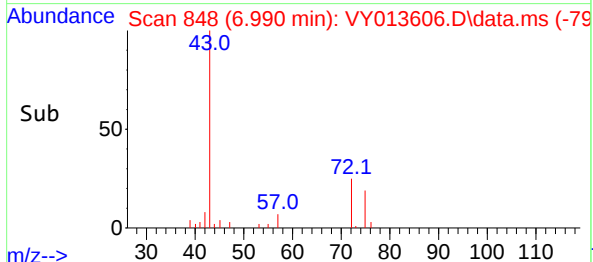
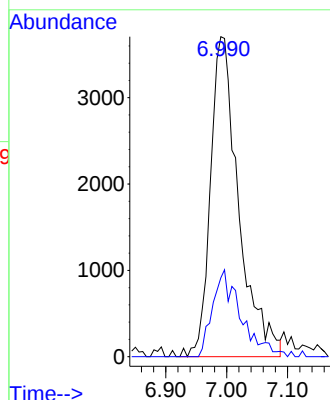
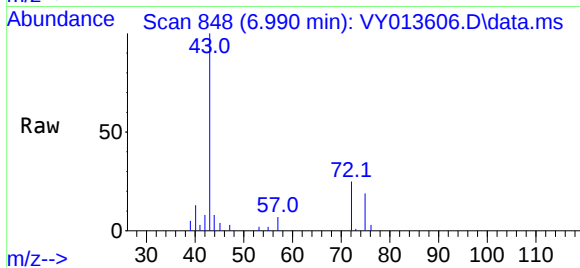
ZONE-C-3-6-05012023

Tgt Ion: 43 Resp: 11928

Ion Ratio Lower Upper

43 100

72 24.7 21.9 32.9



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY013606.D

Acq: 04 May 2023 17:36

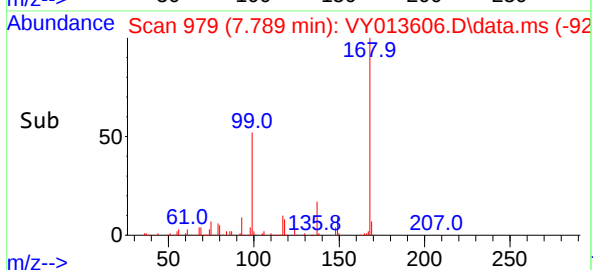
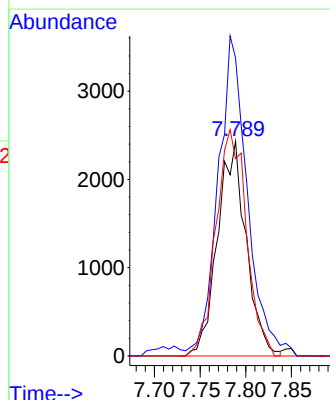
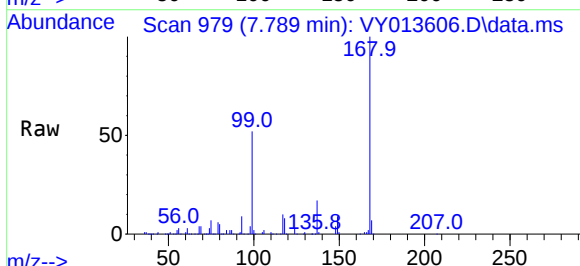
Tgt Ion: 56 Resp: 5305

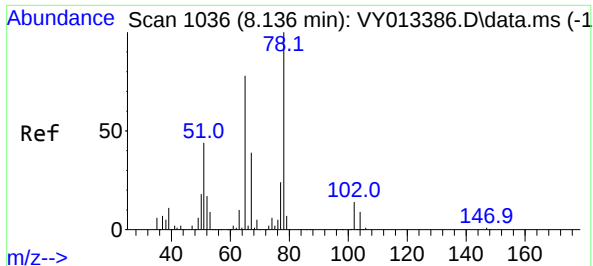
Ion Ratio Lower Upper

56 100

69 135.8 29.2 43.8#

84 91.9 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 66.982 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013606.D

Acq: 04 May 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

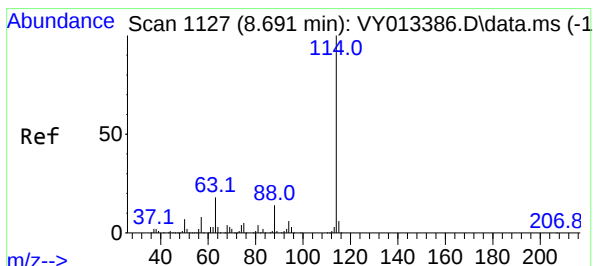
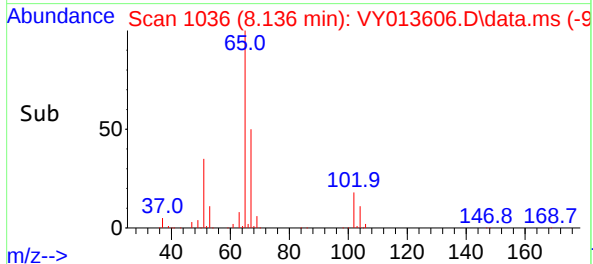
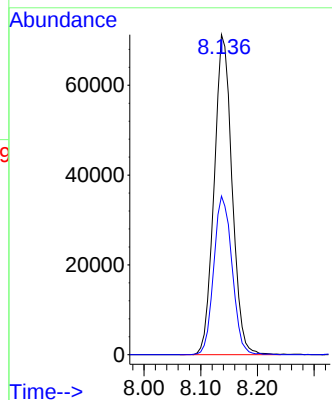
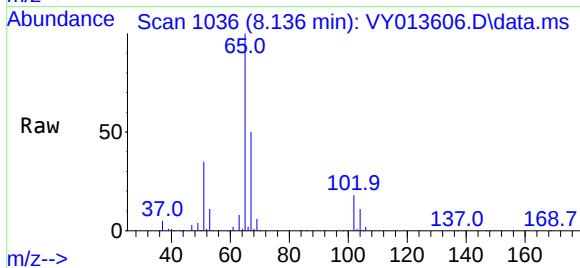
ZONE-C-3-6-05012023

Tgt Ion: 65 Resp: 156465

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013606.D

Acq: 04 May 2023 17:36

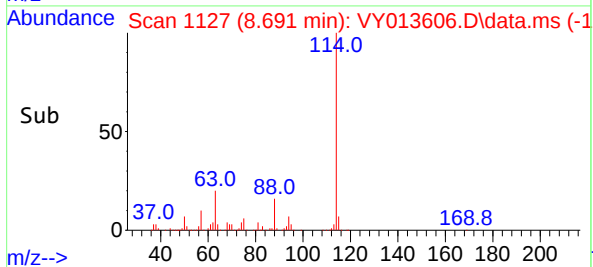
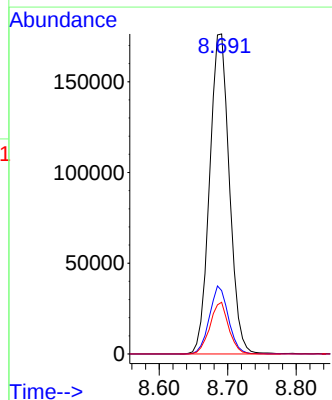
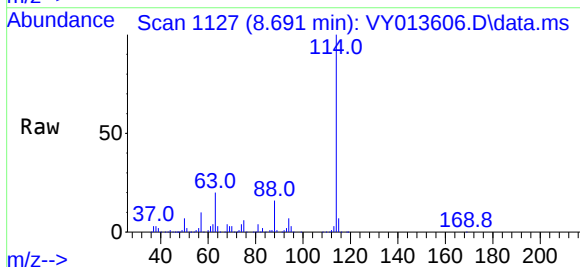
Tgt Ion: 114 Resp: 353341

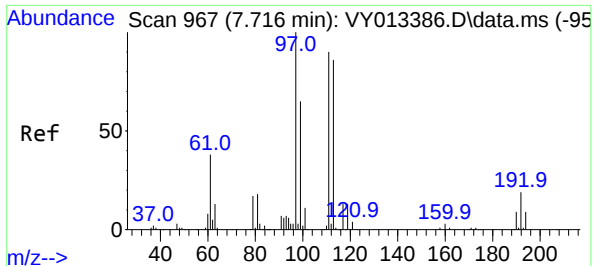
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

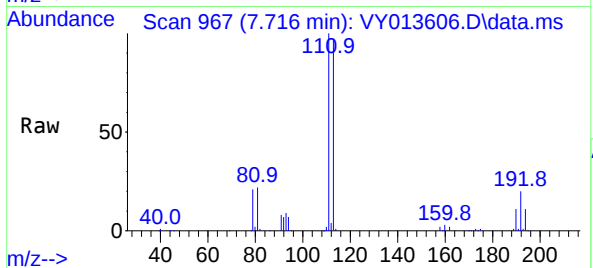
88 16.1 0.0 28.8



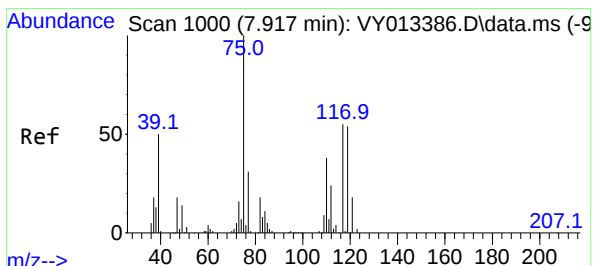
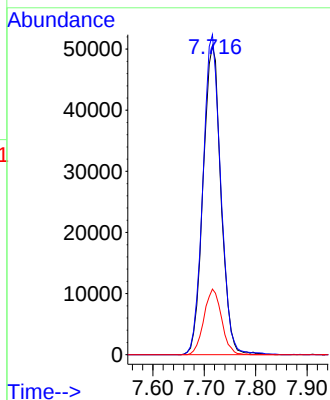
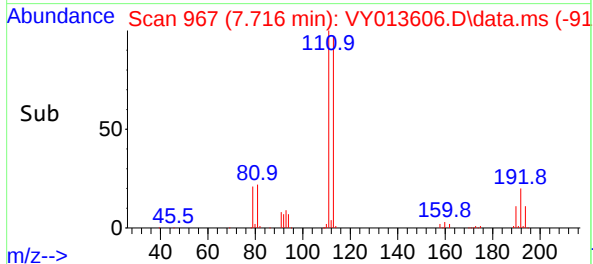


#35
Dibromofluoromethane
Concen: 54.801 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

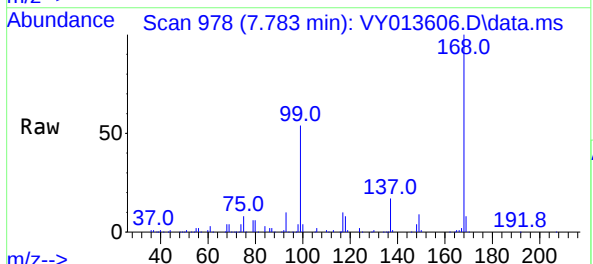
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-3-6-05012023



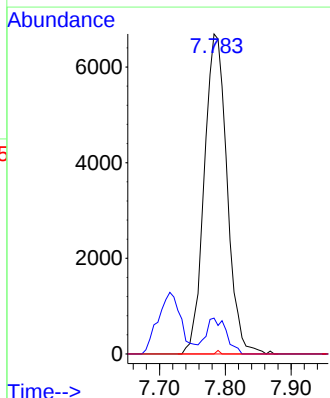
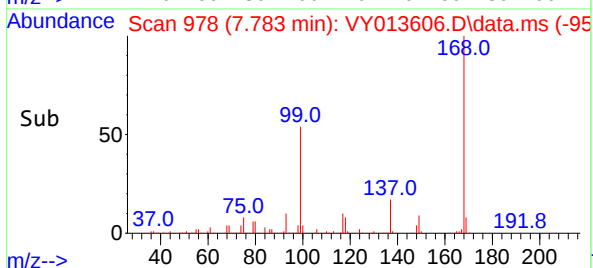
Tgt Ion:113 Resp: 121787
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 21.0 16.7 25.1

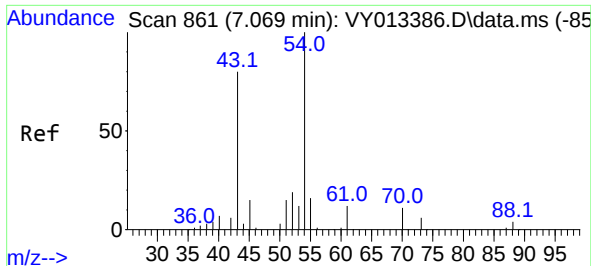


#36
1,1-Dichloropropene
Concen: 4.373 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36



Tgt Ion: 75 Resp: 16130
Ion Ratio Lower Upper
75 100
110 10.0 18.7 56.1#
77 0.2 24.6 37.0#





#37

Ethyl Acetate

Concen: 4.297 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013606.D

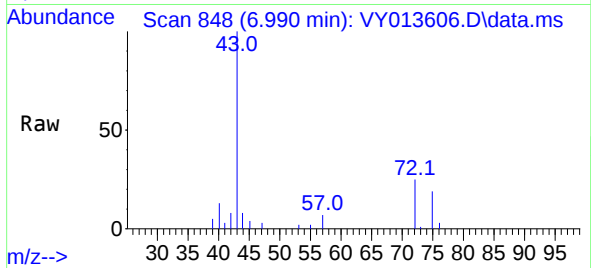
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Instrument :

MSVOA_Y

ClientSampleId :

ZONE-C-3-6-05012023



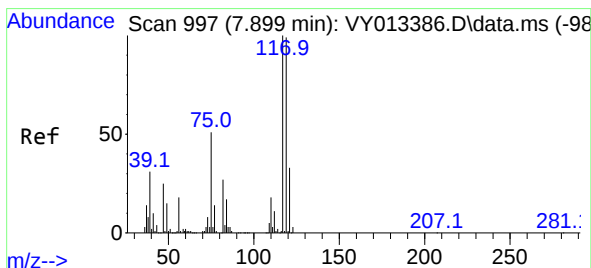
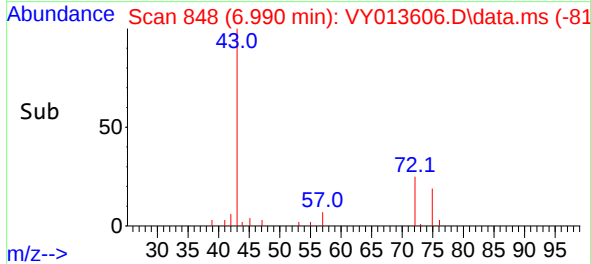
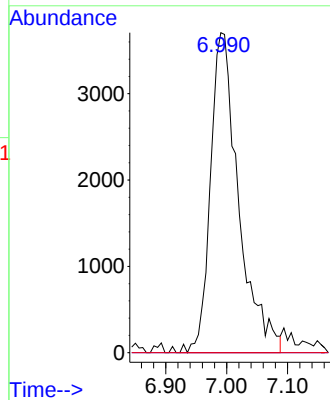
Tgt Ion: 43 Resp: 11928

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013606.D

Acq: 04 May 2023 17:36

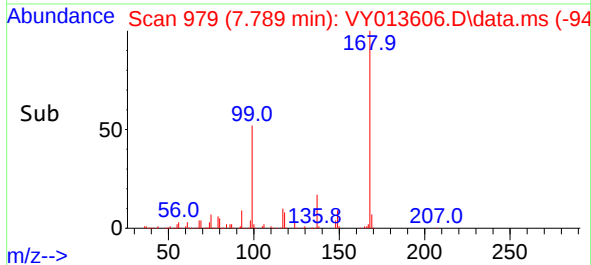
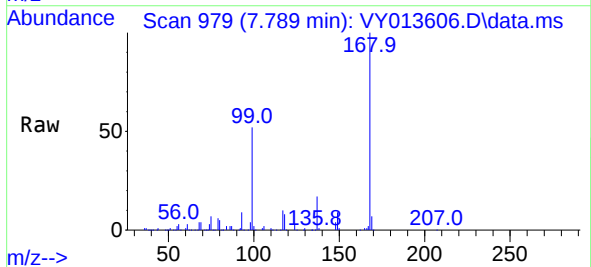
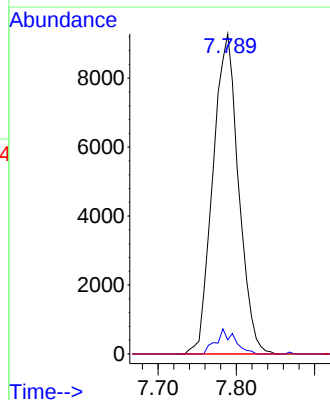
Tgt Ion: 117 Resp: 21118

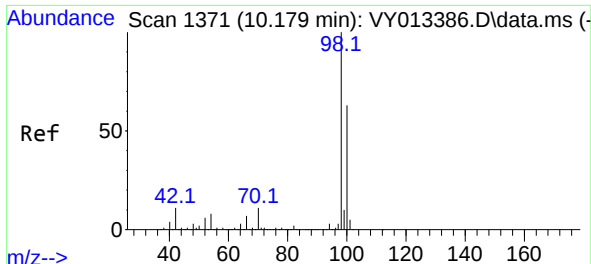
Ion Ratio Lower Upper

117 100

119 4.4 79.0 118.6#

121 0.0 26.6 40.0#

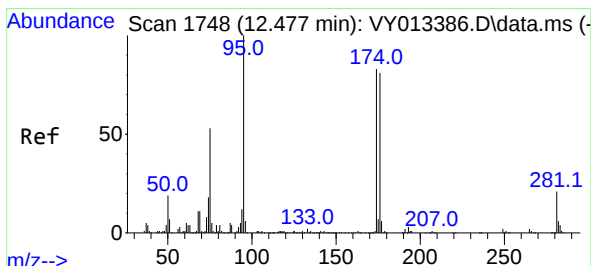
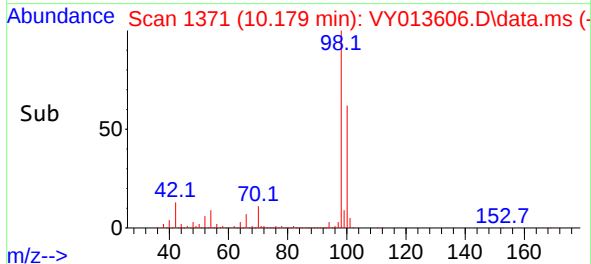
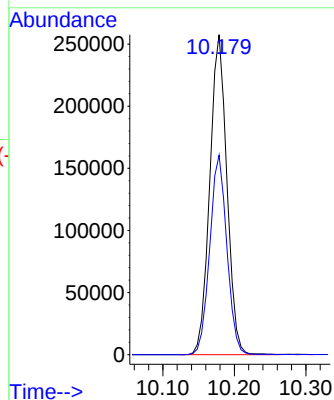
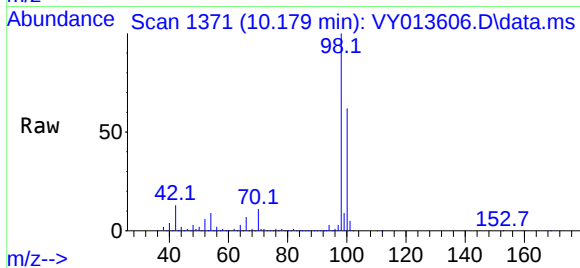




#50
Toluene-d8
Concen: 54.064 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

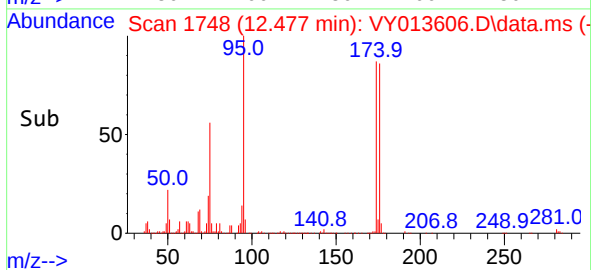
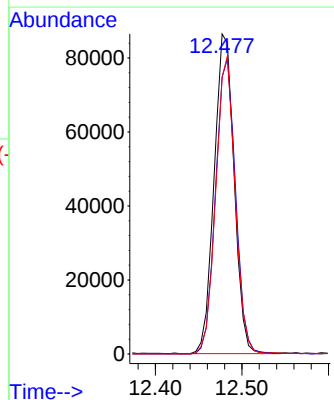
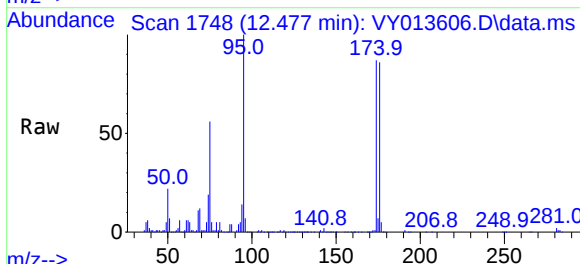
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-3-6-05012023

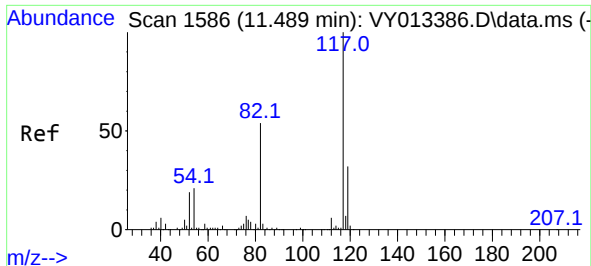
Tgt Ion: 98 Resp: 427418
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.986 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

Tgt Ion: 95 Resp: 138556
Ion Ratio Lower Upper
95 100
174 92.0 0.0 182.0
176 90.2 0.0 175.4

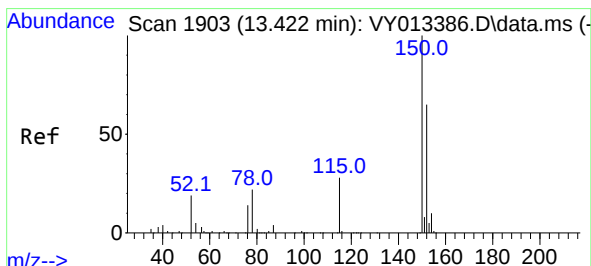
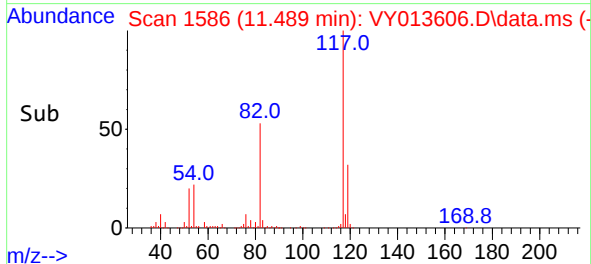
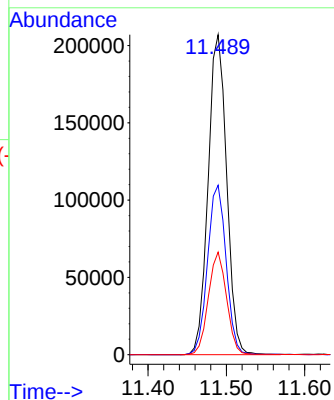
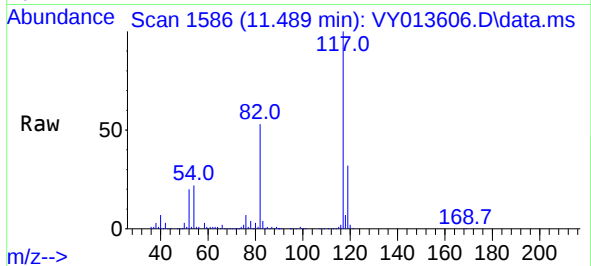




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

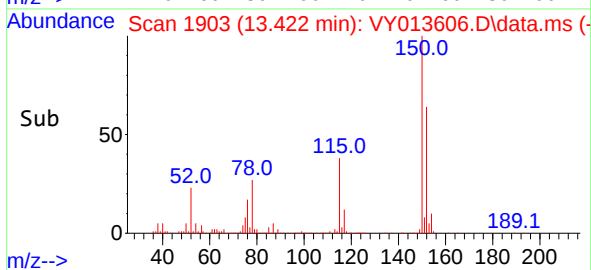
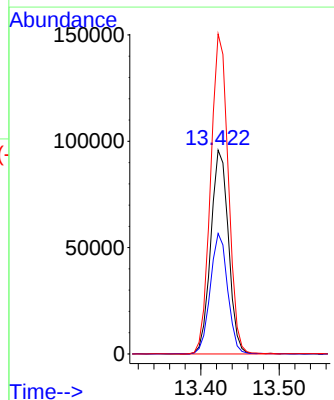
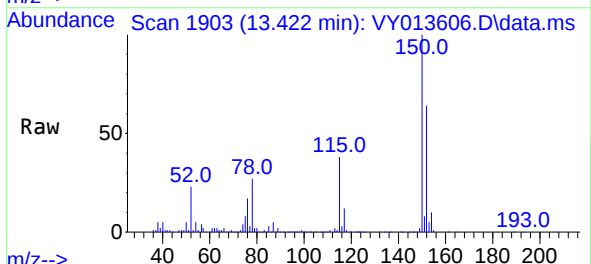
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-3-6-05012023

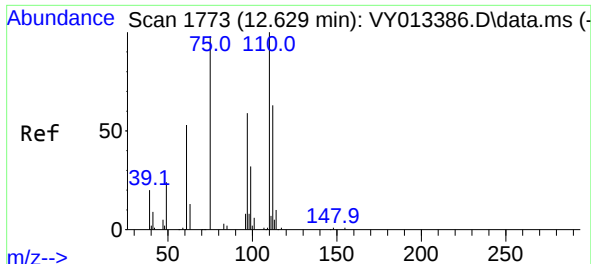
Tgt Ion:117 Resp: 340130
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.6
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

Tgt Ion:152 Resp: 150243
Ion Ratio Lower Upper
152 100
115 57.8 28.1 84.2
150 156.7 0.0 352.0

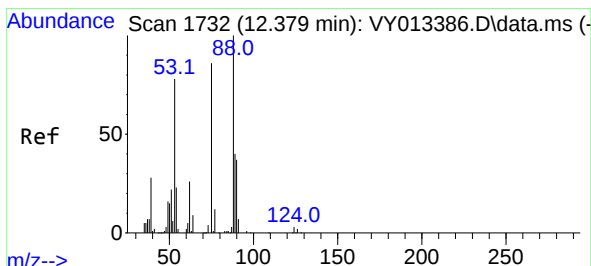
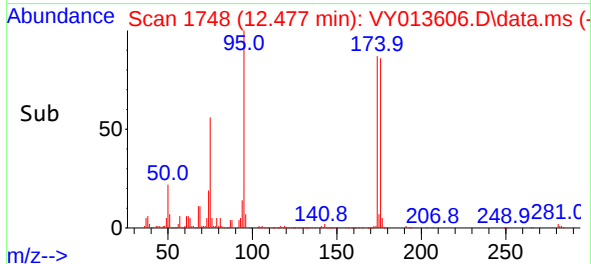
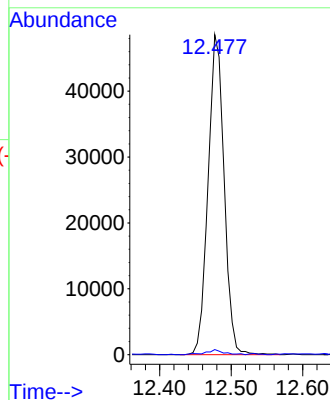
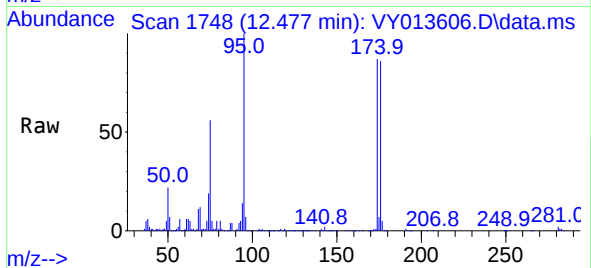




#76
1,2,3-Trichloropropane
Concen: 37.310 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-3-6-05012023

Tgt Ion: 75 Resp: 75598
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.320 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013606.D
Acq: 04 May 2023 17:36

Tgt Ion: 75 Resp: 75598
Ion Ratio Lower Upper
75 100
53 0.9 73.2 109.8#
89 0.0 38.0 57.0#

