

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013604.D
 Acq On : 04 May 2023 16:49
 Operator : KP/MD
 Sample : 02604-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TF-1

Quant Time: May 05 01:00:31 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	7.795	168	11826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	15803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5890	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9089	70.110	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.220%
35) Dibromofluoromethane	7.716	113	6803	60.508	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.020%
50) Toluene-d8	10.179	98	20245	50.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.483	95	5811	43.096	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.200%

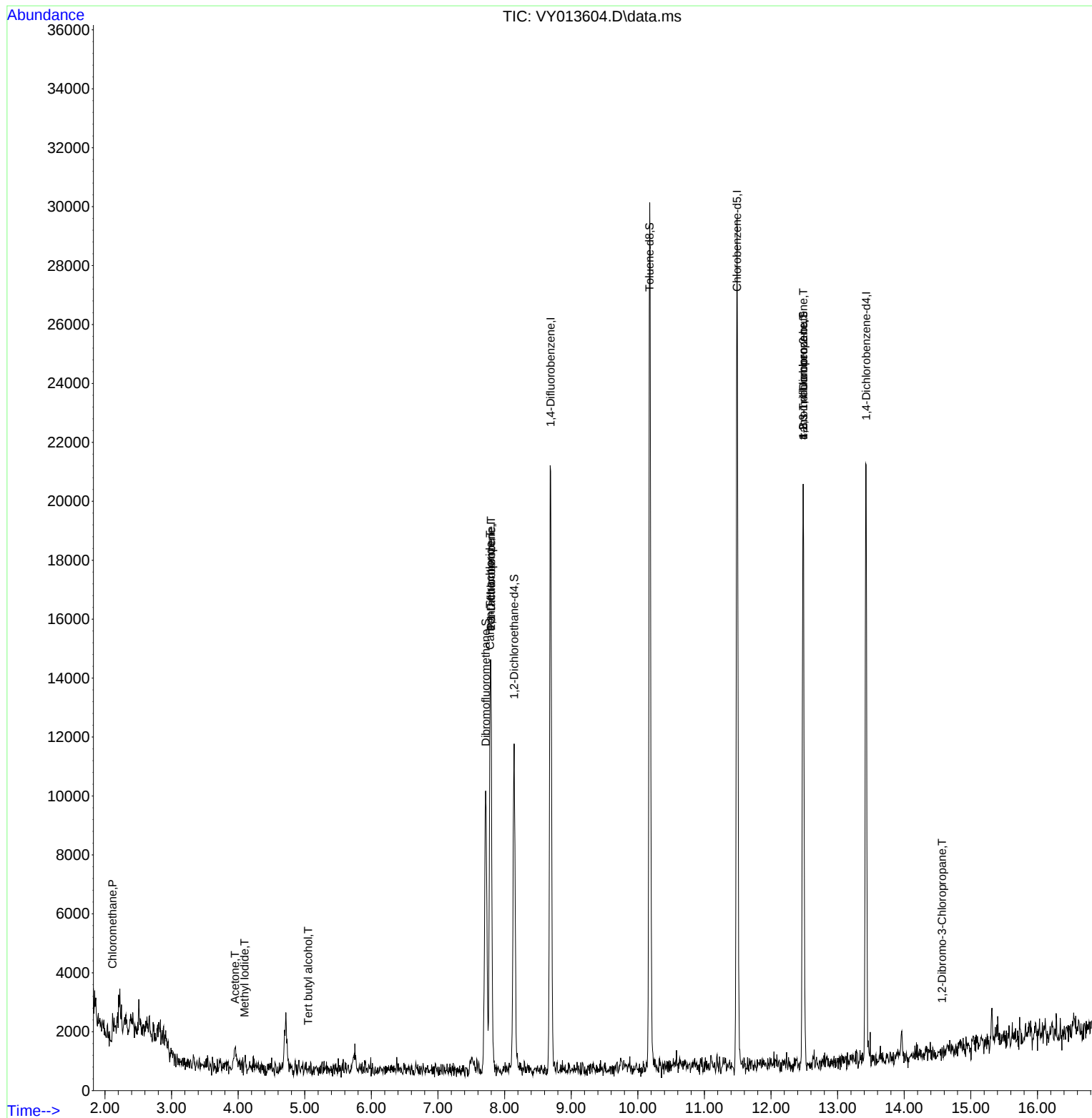
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	212	1.407	ug/l #	68
10) Methyl Iodide	4.094	142	262	1.636	ug/l #	52
11) Tert butyl alcohol	5.052	59	22	2.153	ug/l #	89
16) Acetone	3.954	43	1360	26.639	ug/l #	71
20) Methylene Chloride	4.716	84	1199	Below Cal		96
36) 1,1-Dichloropropene	7.795	75	1060	5.681	ug/l #	40
38) Carbon Tetrachloride	7.783	117	1214	6.207	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	2992	37.667	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2992	77.049	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.568	75	22	1.144	ug/l #	1

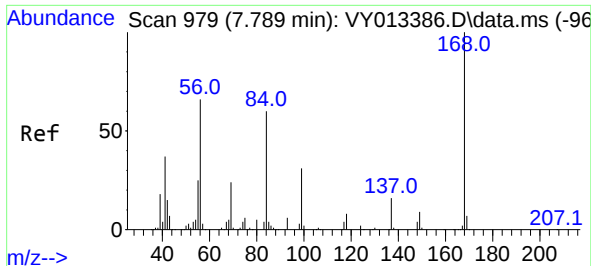
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

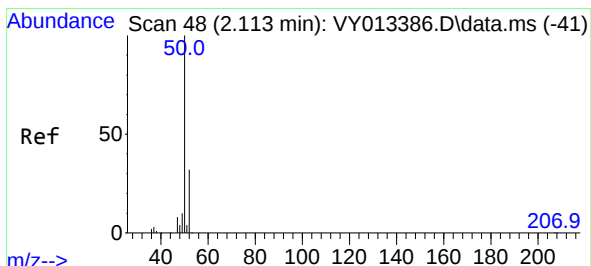
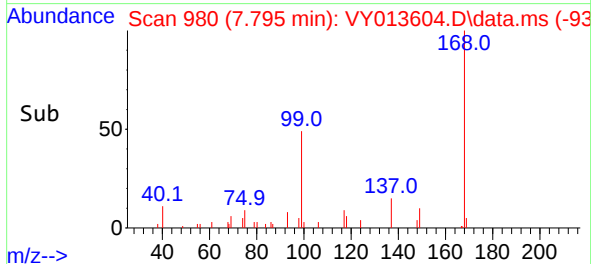
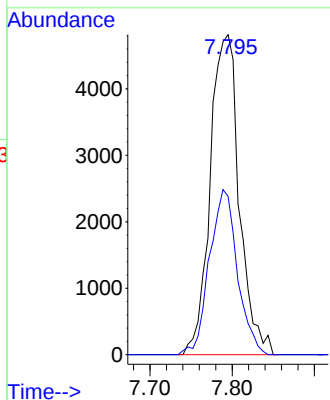
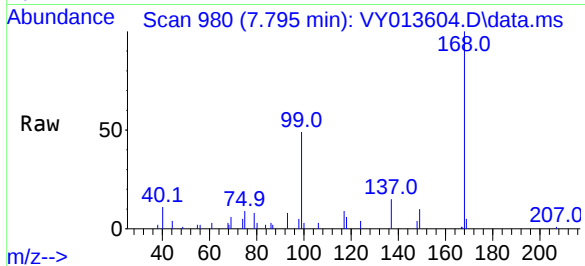




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

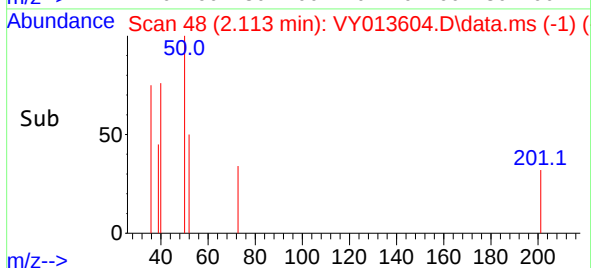
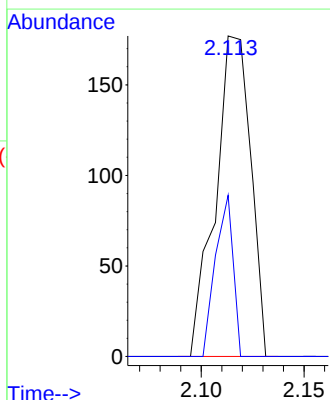
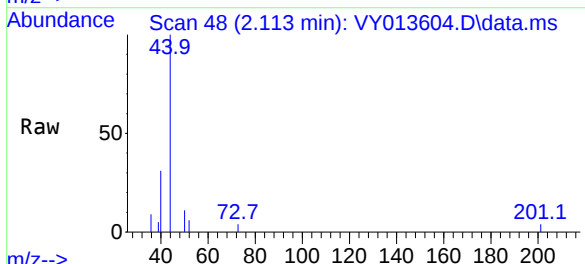
Instrument :
MSVOA_Y
ClientSampleId :
TF-1

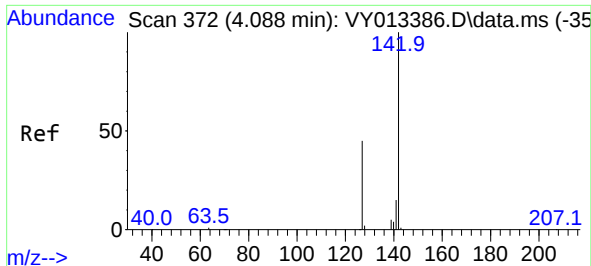
Tgt Ion:168 Resp: 11826
Ion Ratio Lower Upper
168 100
99 49.4 41.8 62.6



#3
Chloromethane
Concen: 1.407 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 50.3 25.9 38.9#





#10

Methyl Iodide

Concen: 1.636 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY013604.D

Acq: 04 May 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

TF-1

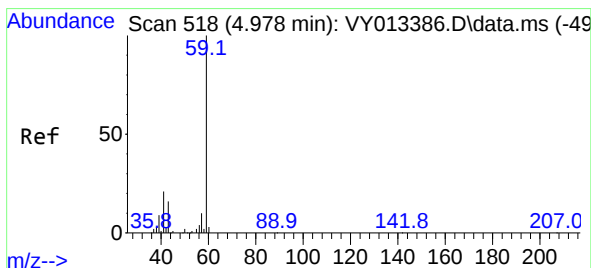
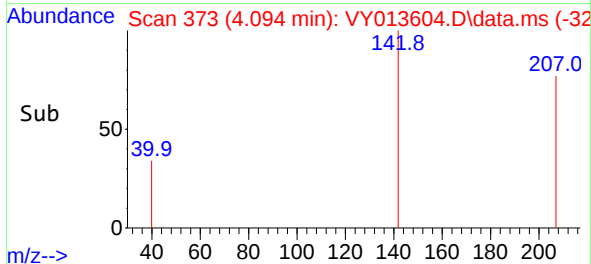
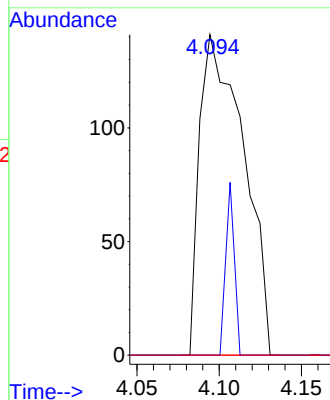
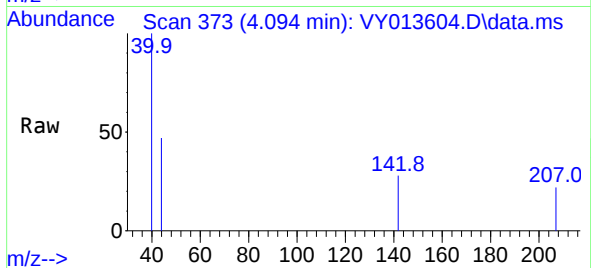
Tgt Ion:142 Resp: 262

Ion Ratio Lower Upper

142 100

127 10.7 36.1 54.1#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: 2.153 ug/l

RT: 5.052 min Scan# 530

Delta R.T. 0.074 min

Lab File: VY013604.D

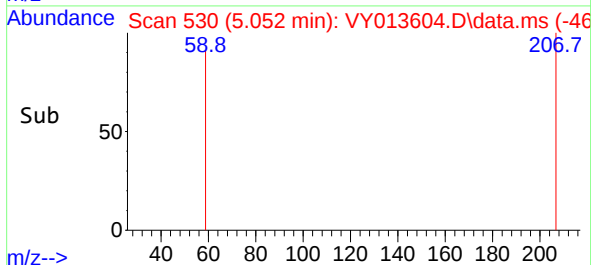
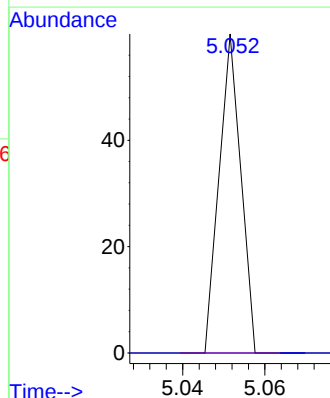
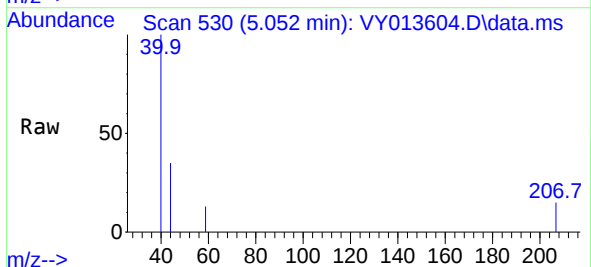
Acq: 04 May 2023 16:49

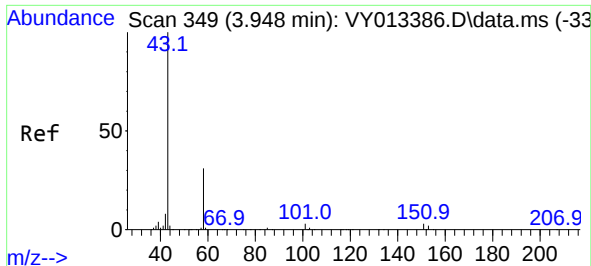
Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

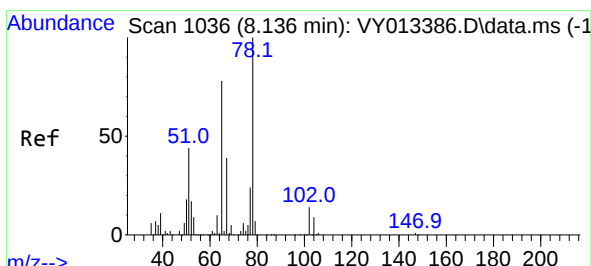
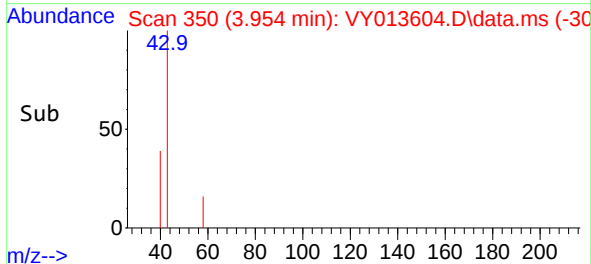
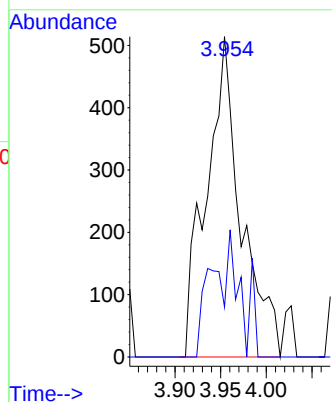
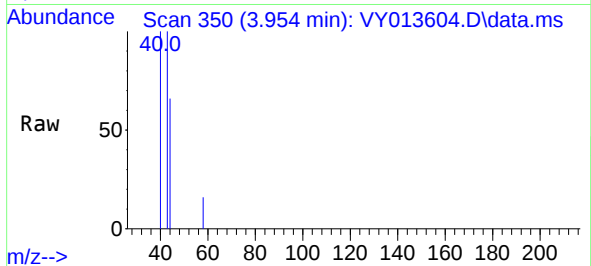




#16
Acetone
Concen: 26.639 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

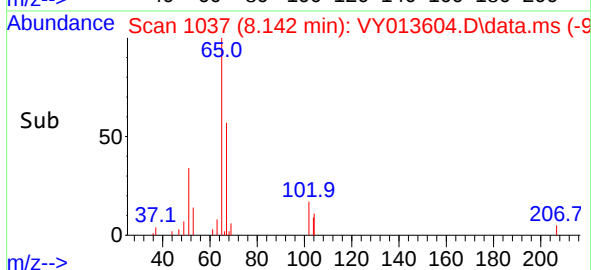
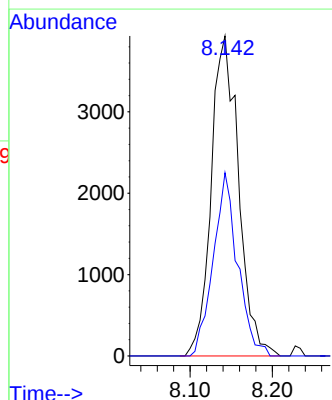
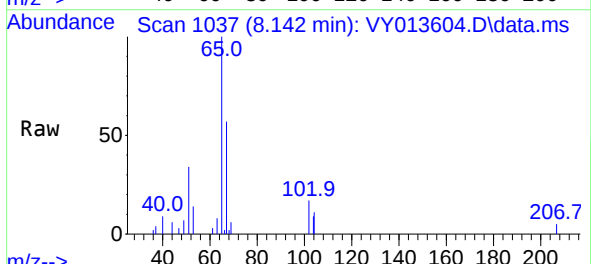
Instrument :
MSVOA_Y
ClientSampleId :
TF-1

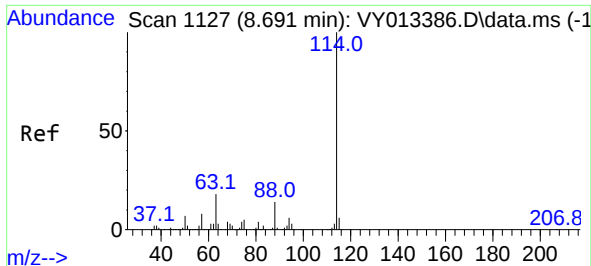
Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
58 15.6 25.4 38.0#



#33
1,2-Dichloroethane-d4
Concen: 70.110 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

Tgt Ion: 65 Resp: 9089
Ion Ratio Lower Upper
65 100
67 51.0 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: VY013604.D

Acq: 04 May 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

TF-1

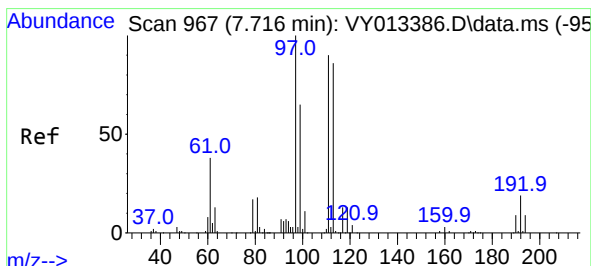
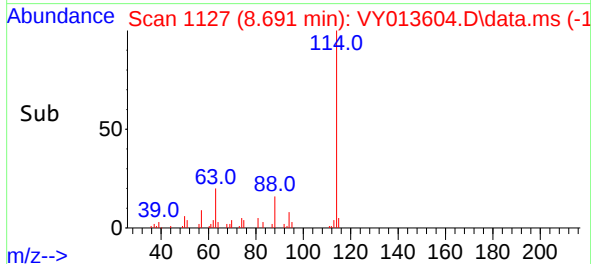
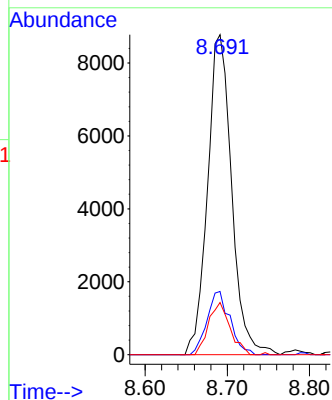
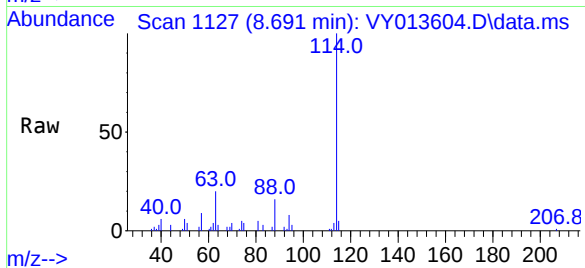
Tgt Ion:114 Resp: 17876

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

88 16.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 60.508 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013604.D

Acq: 04 May 2023 16:49

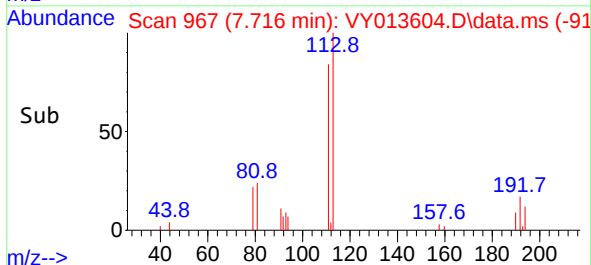
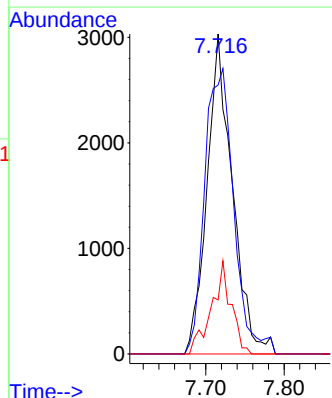
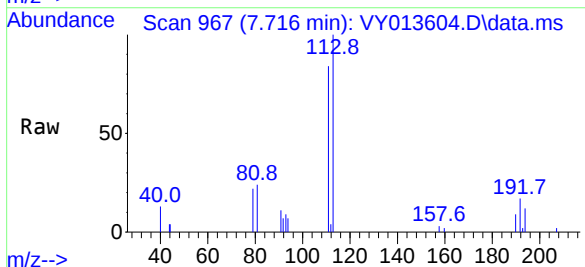
Tgt Ion:113 Resp: 6803

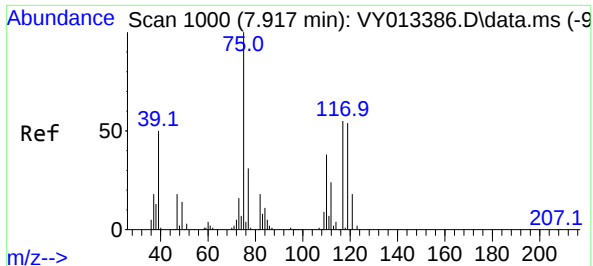
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 22.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.681 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY013604.D

Acq: 04 May 2023 16:49

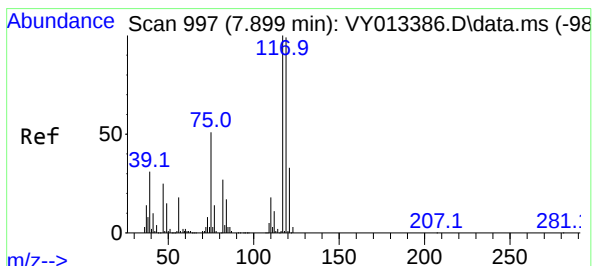
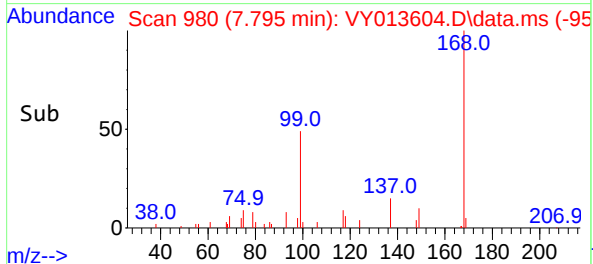
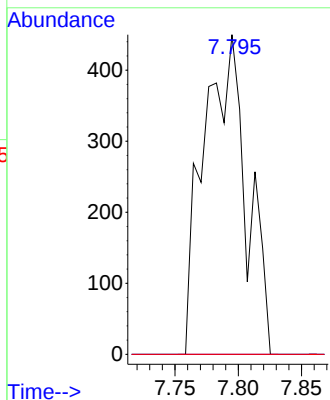
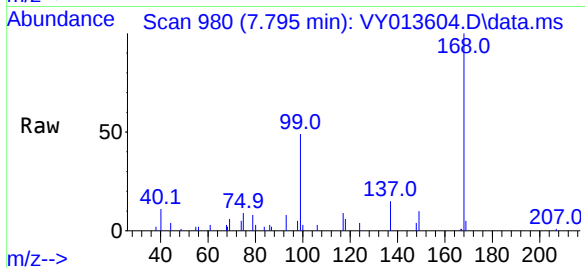
Instrument :

MSVOA_Y

ClientSampleId :

TF-1

Tgt Ion:	75	Resp:	1060
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.7	56.1#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 6.207 ug/l

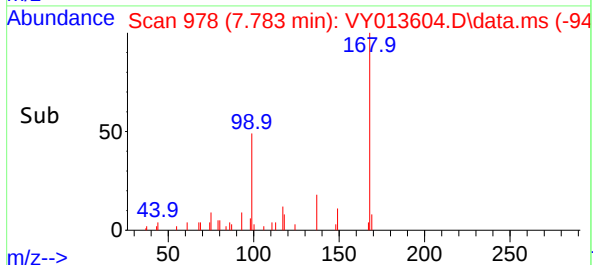
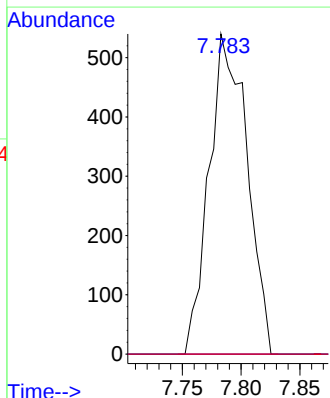
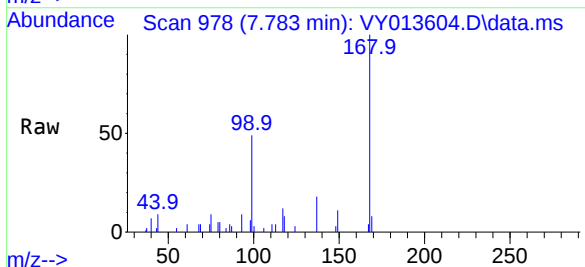
RT: 7.783 min Scan# 978

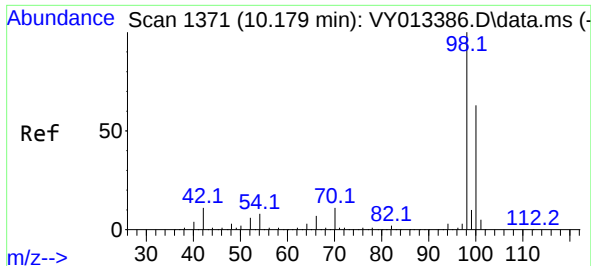
Delta R.T. -0.116 min

Lab File: VY013604.D

Acq: 04 May 2023 16:49

Tgt Ion:	117	Resp:	1214
Ion	Ratio	Lower	Upper
117	100		
119	0.0	79.0	118.6#
121	0.0	26.6	40.0#

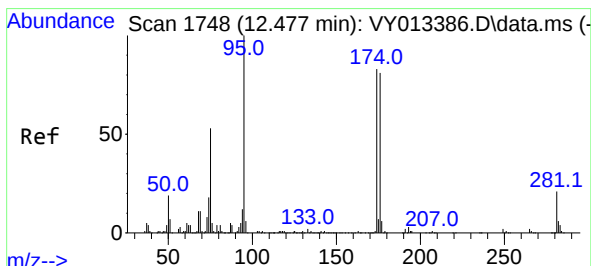
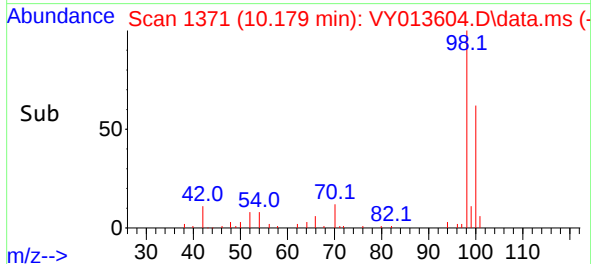
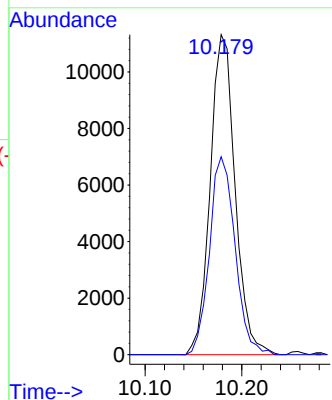
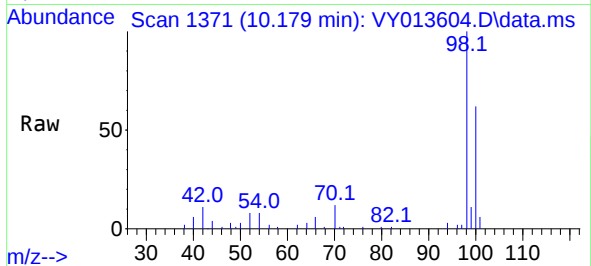




#50
Toluene-d8
Concen: 50.617 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

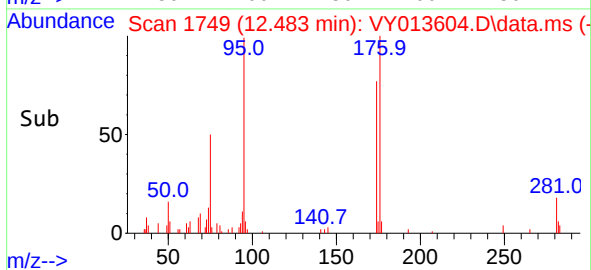
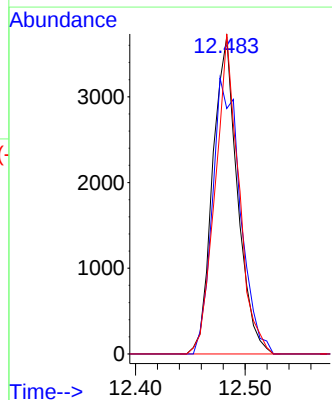
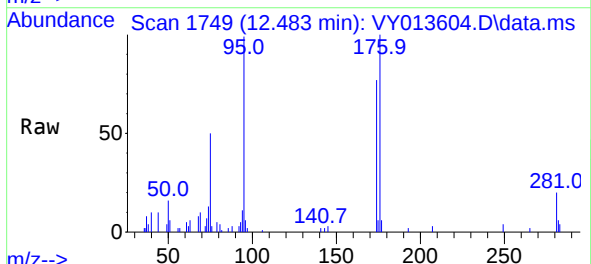
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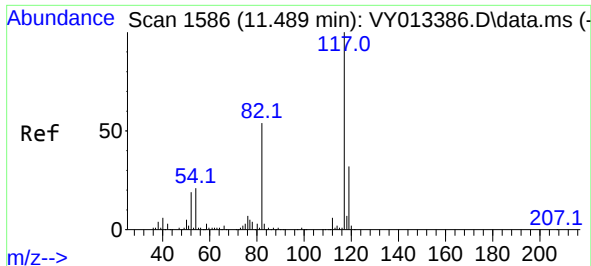
Tgt Ion: 98 Resp: 20245
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 43.096 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

Tgt Ion: 95 Resp: 5811
Ion Ratio Lower Upper
95 100
174 98.0 0.0 182.0
176 95.6 0.0 175.4

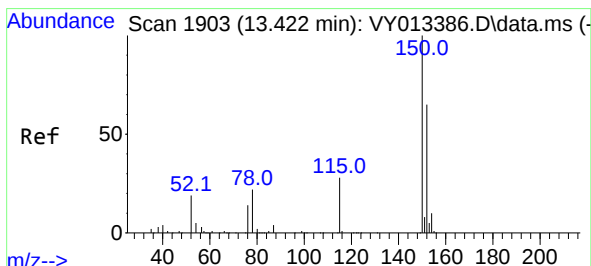
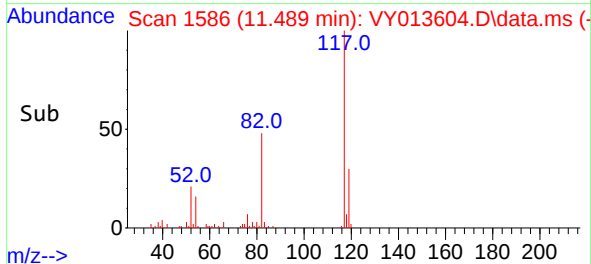
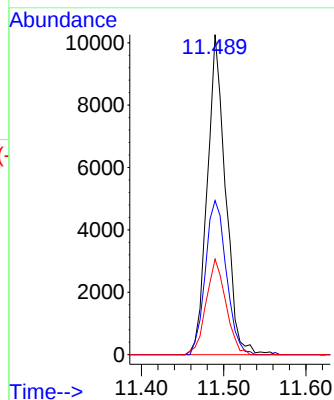
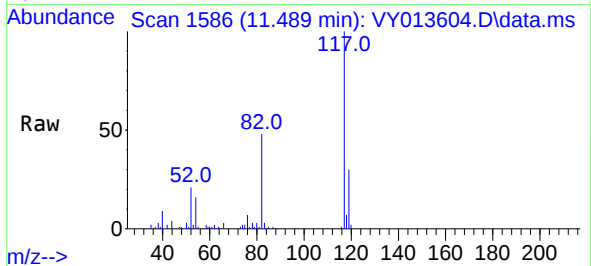




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

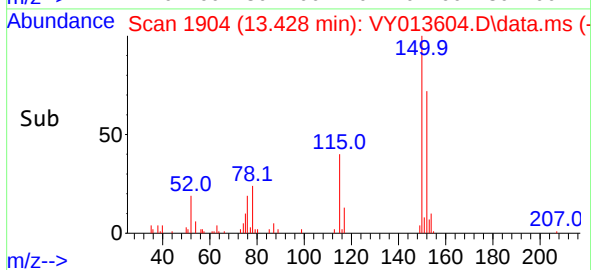
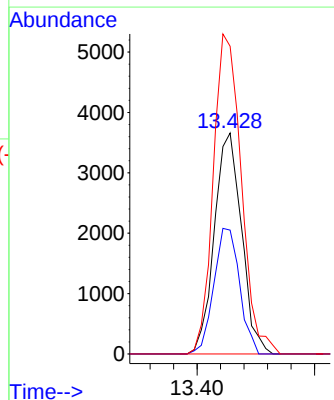
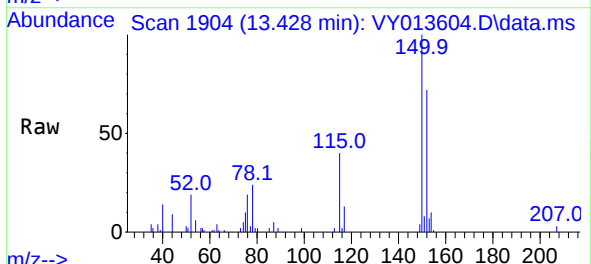
Instrument :
MSVOA_Y
ClientSampleId :
TF-1

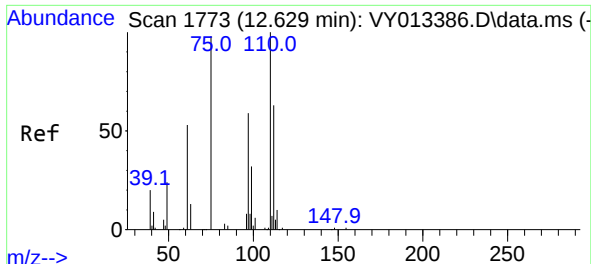
Tgt Ion:	117	Resp:	15803
Ion	Ratio	Lower	Upper
117	100		
82	48.2	43.0	64.6
119	29.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

Tgt Ion:	152	Resp:	5890
Ion	Ratio	Lower	Upper
152	100		
115	53.7	28.1	84.2
150	148.8	0.0	352.0

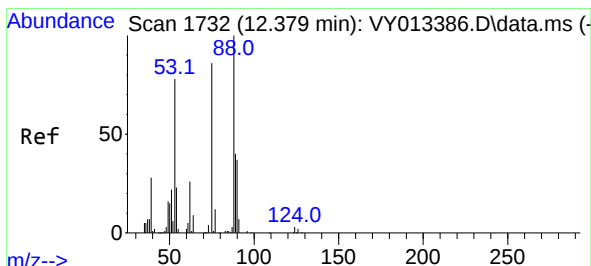
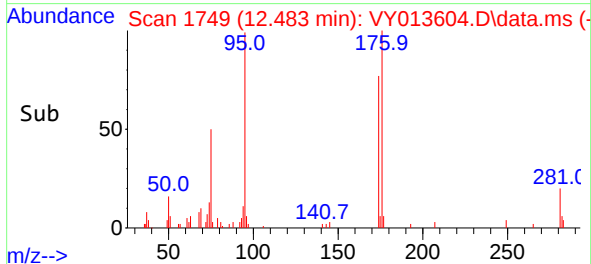
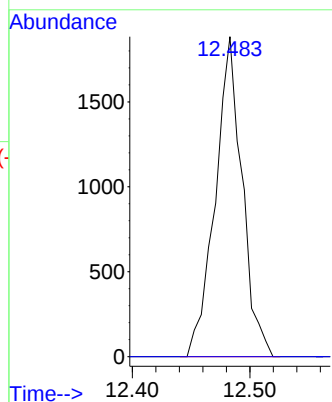
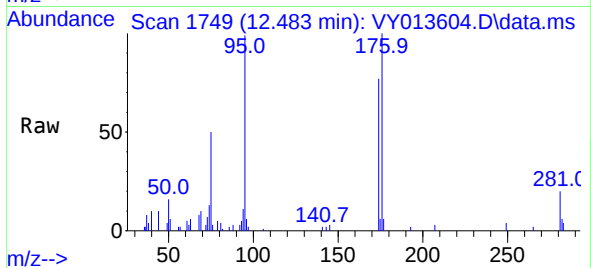




#76
1,2,3-Trichloropropane
Concen: 37.667 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

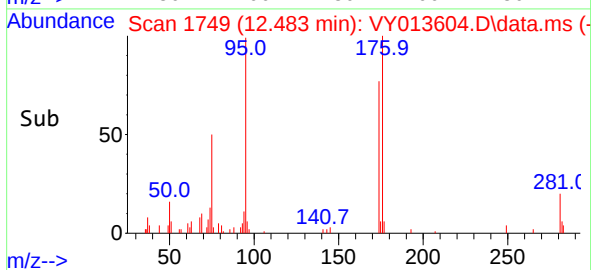
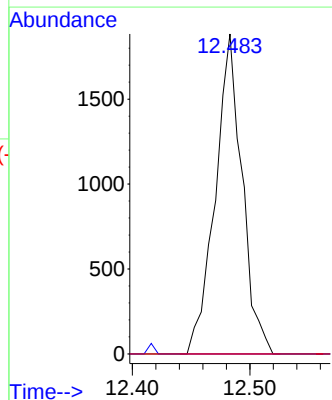
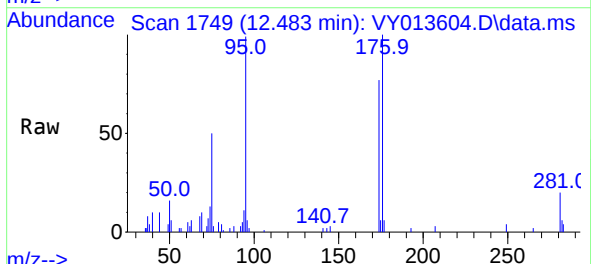
Instrument :
MSVOA_Y
ClientSampleId :
TF-1

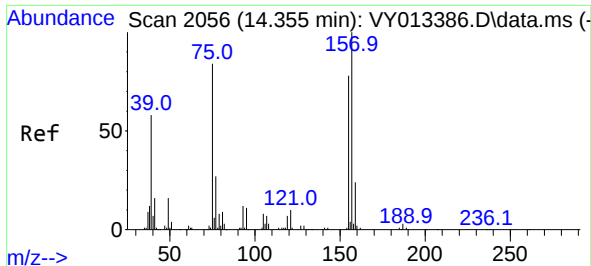
Tgt Ion: 75 Resp: 2992
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 77.049 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013604.D
Acq: 04 May 2023 16:49

Tgt Ion: 75 Resp: 2992
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.144 ug/l
 RT: 14.568 min Scan# 20
 Delta R.T. 0.213 min
 Lab File: VY013604.D
 Acq: 04 May 2023 16:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TF-1

Tgt Ion: 75 Resp: 22
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.6 134.0#
 157 0.0 57.6 172.7#

