

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013013.D
 Acq On : 20 Mar 2023 17:14
 Operator : KP/MD
 Sample : 01998-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1RE

Quant Time: Mar 21 01:15:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

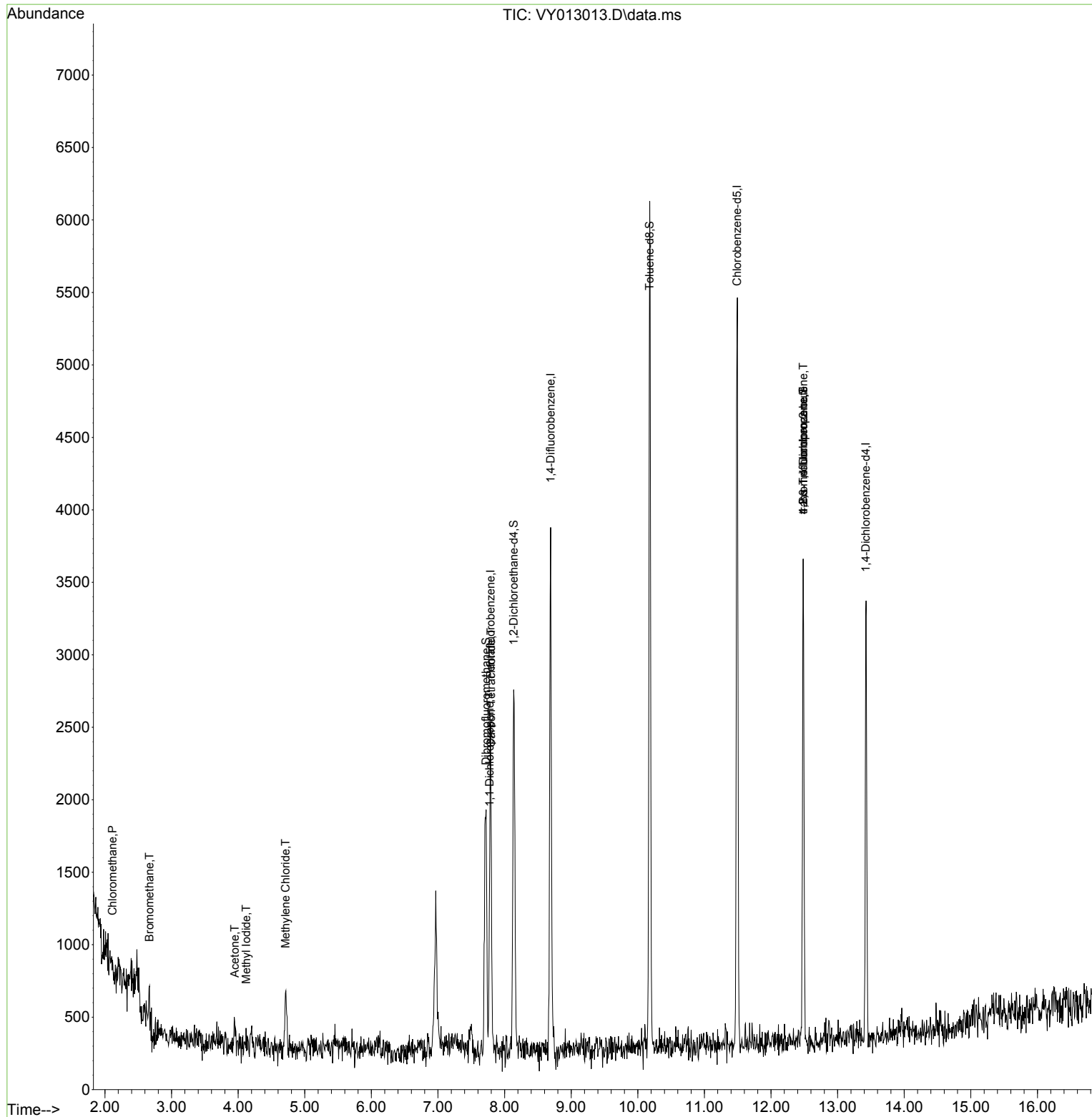
Internal Standards						
1) Pentafluorobenzene	7.789	168	2108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	3442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2007	95.892	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 191.780%#			
35) Dibromofluoromethane	7.722	113	1498	72.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 144.220%			
50) Toluene-d8	10.179	98	4094	53.911	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.820%			
62) 4-Bromofluorobenzene	12.483	95	1074	41.901	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.800%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	111	4.469	ug/l #	42
5) Bromomethane	2.668	94	48	3.468	ug/l	95
10) Methyl Iodide	4.119	142	43	1.450	ug/l #	40
16) Acetone	3.948	43	183	22.276	ug/l #	44
20) Methylene Chloride	4.710	84	312	7.925	ug/l #	60
36) 1,1-Dichloropropene	7.777	75	134	3.849	ug/l #	41
38) Carbon Tetrachloride	7.795	117	183	5.091	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	570	45.985	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	570	95.282	ug/l #	13

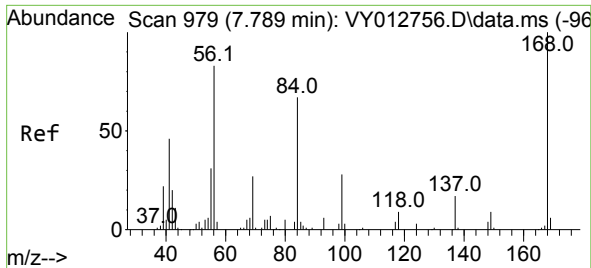
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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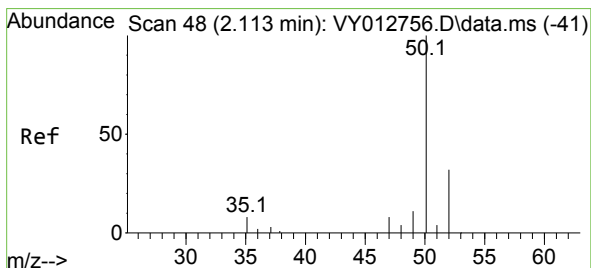
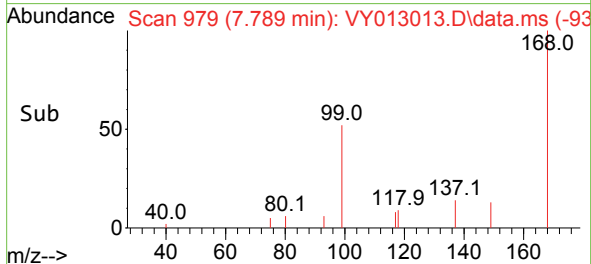
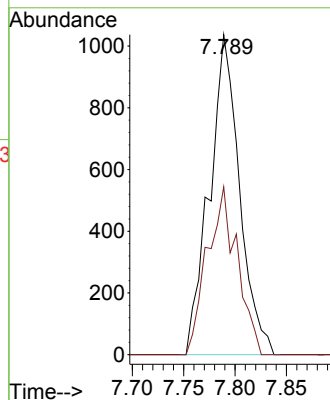
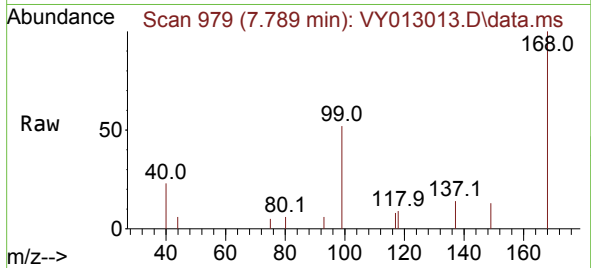




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

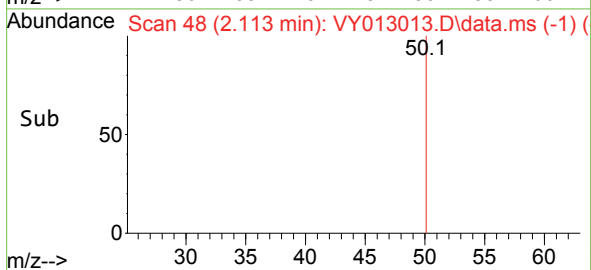
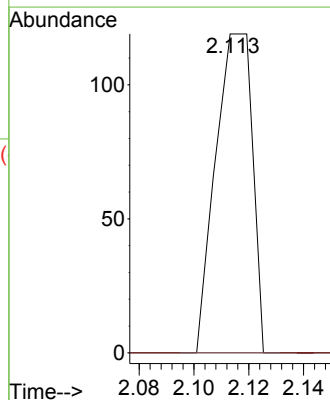
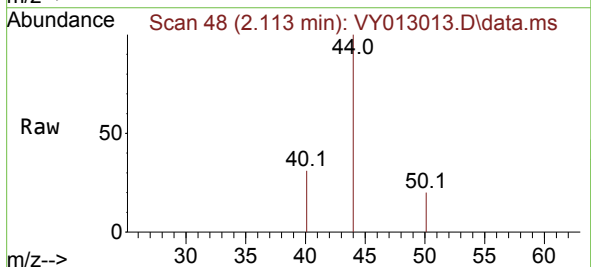
Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SUBSTATION-TP1RE

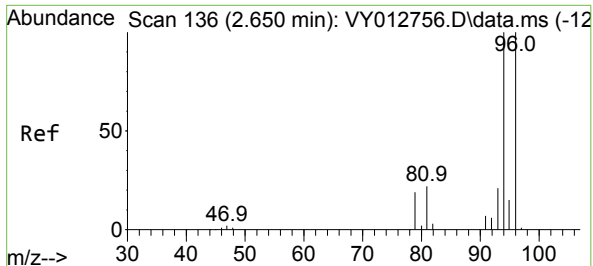
Tgt Ion:168 Resp: 2108
Ion Ratio Lower Upper
168 100
99 52.5 41.7 62.5



#3
Chloromethane
Concen: 4.469 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

Tgt Ion: 50 Resp: 111
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

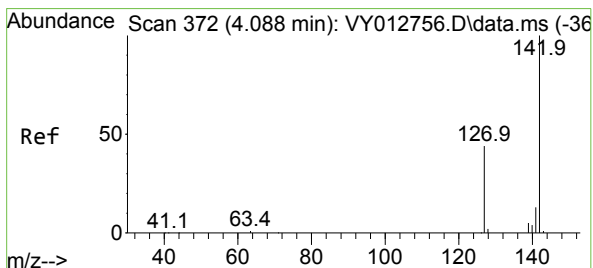
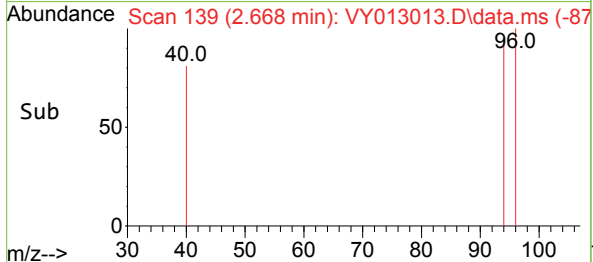
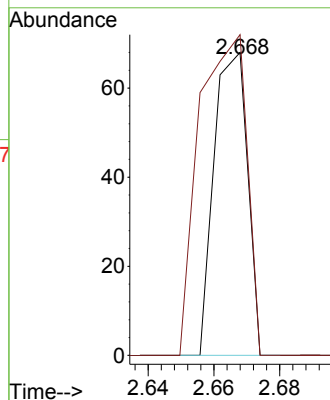
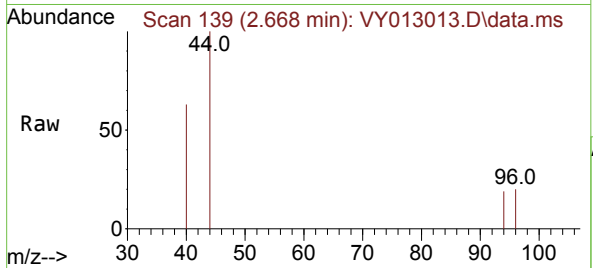




#5
Bromomethane
Concen: 3.468 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

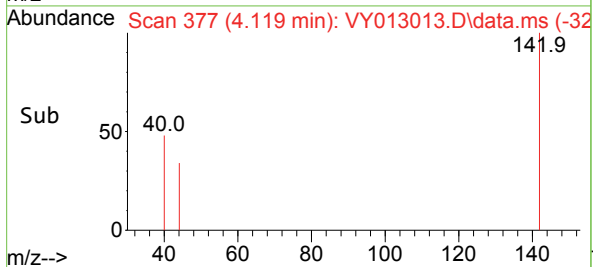
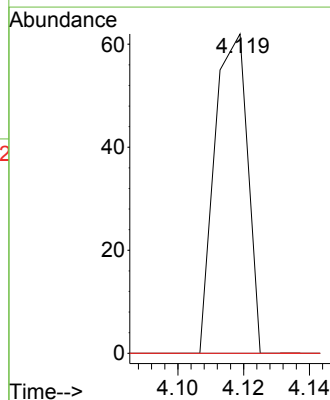
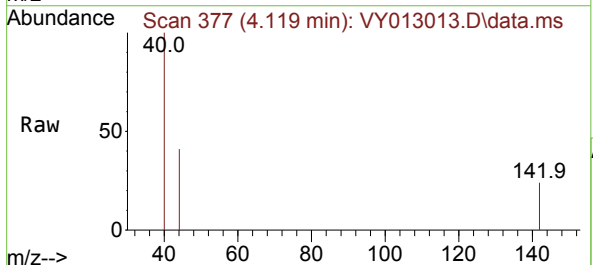
Instrument :
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ClientSampleId :
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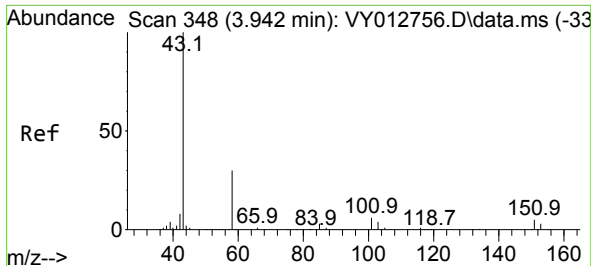
Tgt Ion: 94 Resp: 48
Ion Ratio Lower Upper
94 100
96 105.9 80.3 120.5



#10
Methyl Iodide
Concen: 1.450 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.031 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

Tgt Ion: 142 Resp: 43
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.3 16.9#

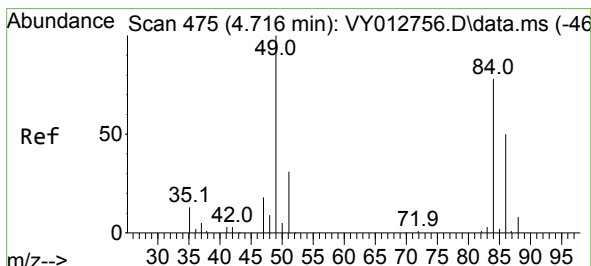
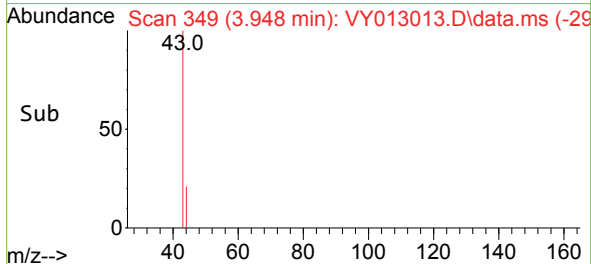
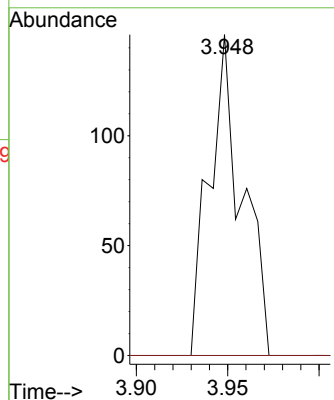
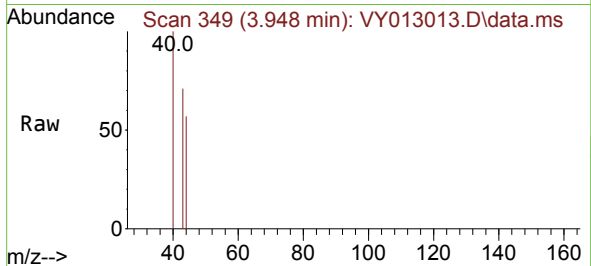




#16
Acetone
Concen: 22.276 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

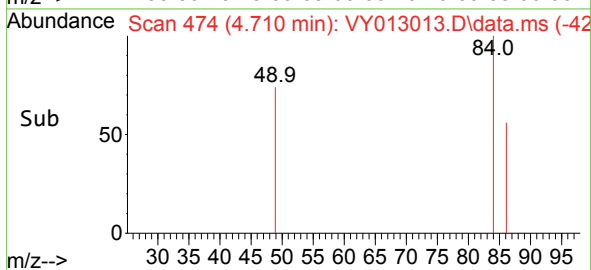
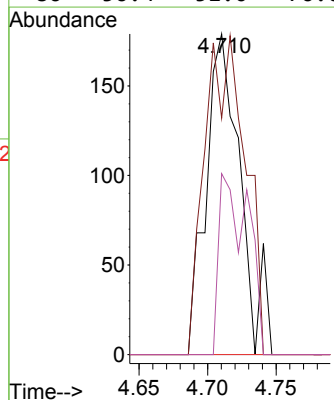
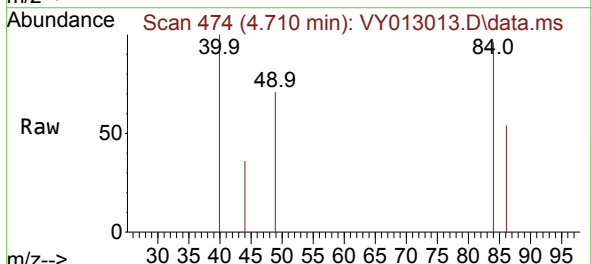
Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SUBSTATION-TP1RE

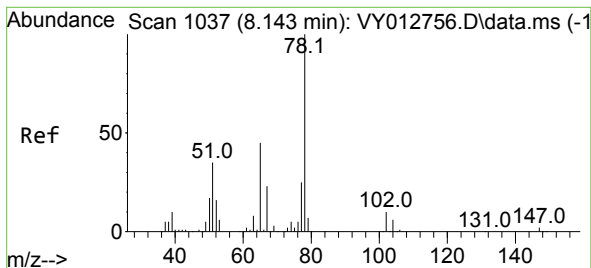
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: 7.925 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

Tgt Ion: 84 Resp: 312
Ion Ratio Lower Upper
84 100
49 73.7 102.6 154.0#
51 0.0 31.9 47.9#
86 56.4 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 95.892 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY013013.D

Acq: 20 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

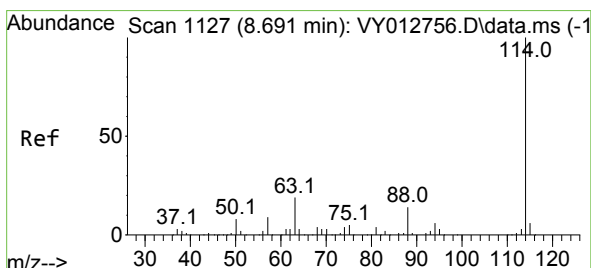
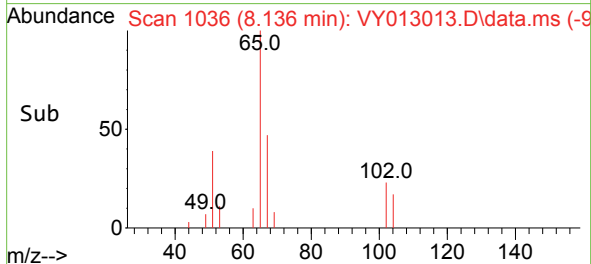
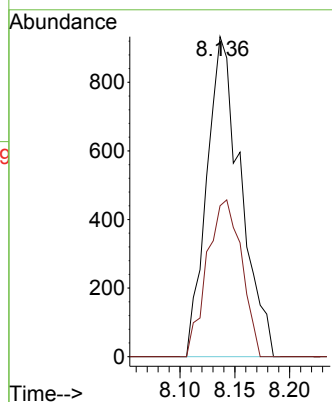
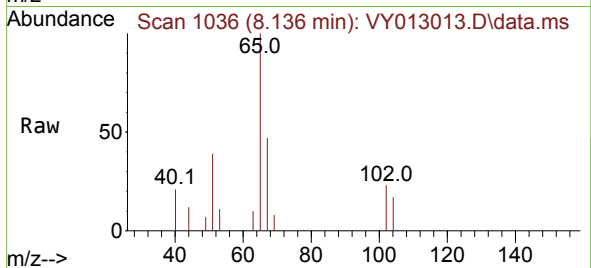
10TH-ST-SUBSTATION-TP1RE

Tgt Ion: 65 Resp: 2007

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013013.D

Acq: 20 Mar 2023 17:14

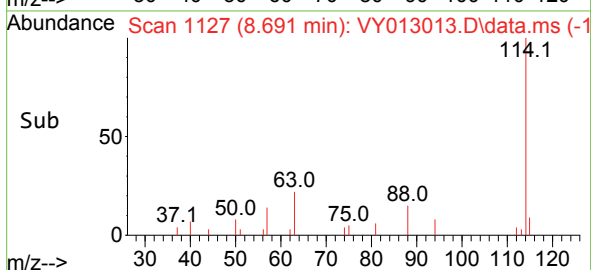
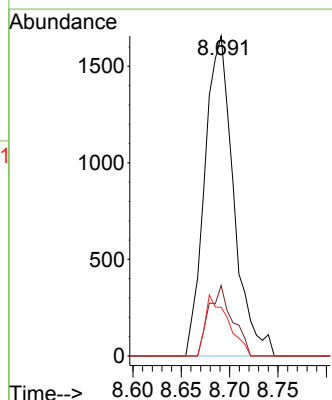
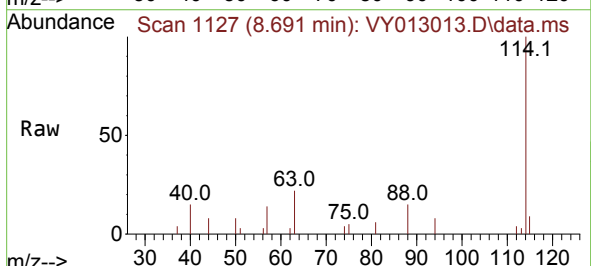
Tgt Ion: 114 Resp: 3442

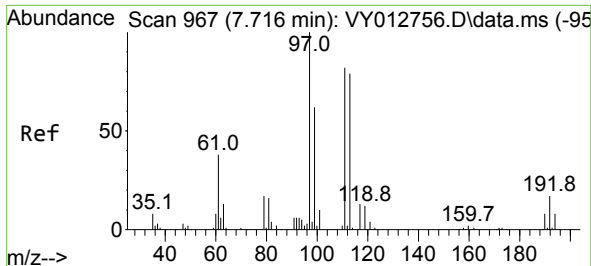
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.4

88 15.2 0.0 28.6

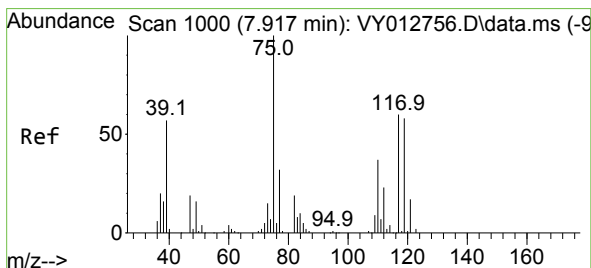
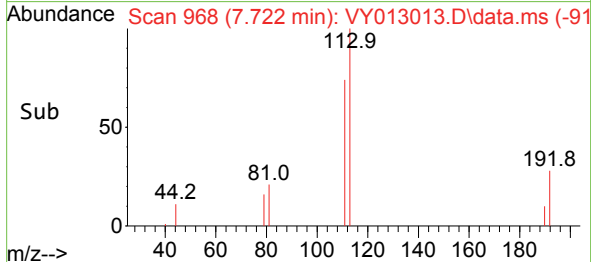
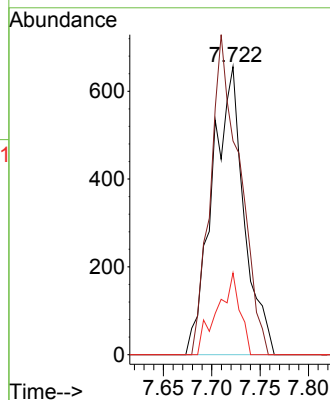
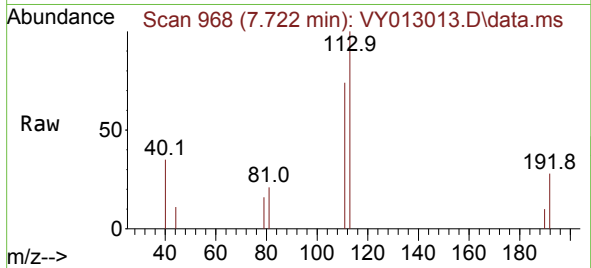




#35
Dibromofluoromethane
Concen: 72.115 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

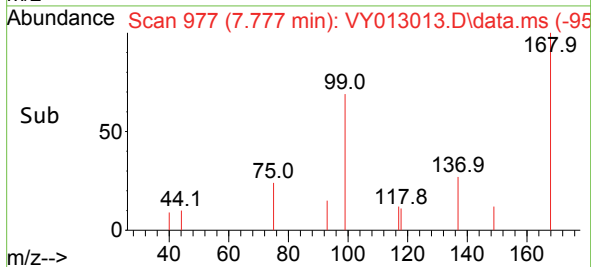
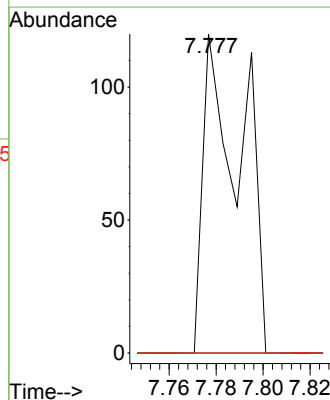
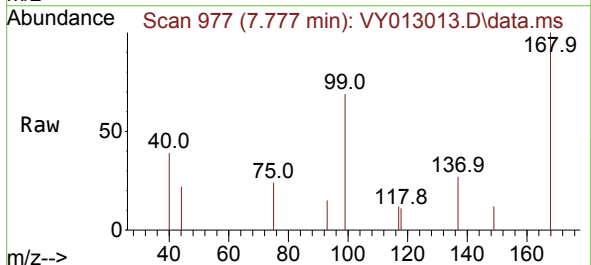
Instrument :
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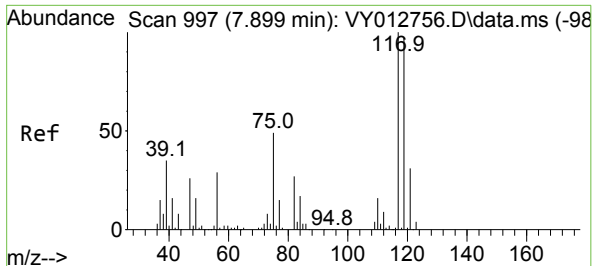
Tgt Ion:113 Resp: 1498
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.849 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

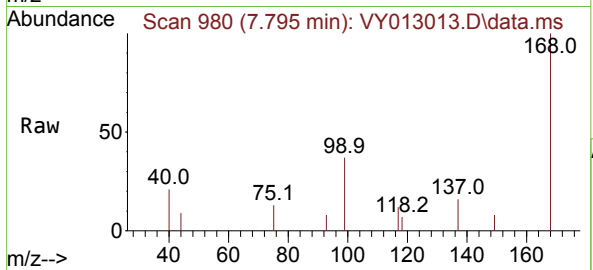
Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 25.0 37.4#



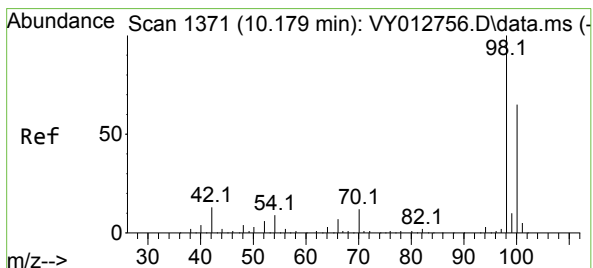
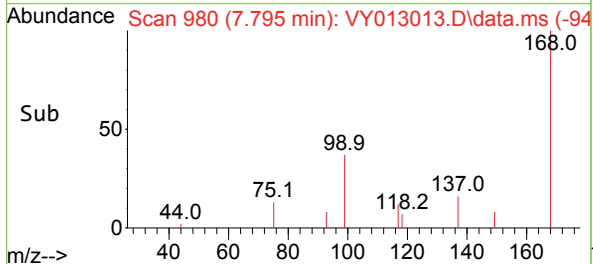
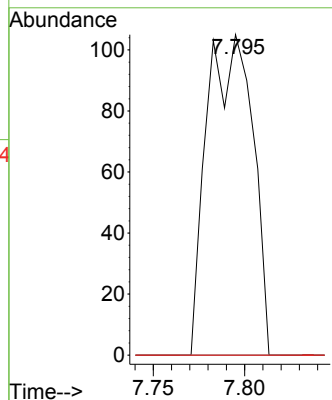


#38
Carbon Tetrachloride
Concen: 5.091 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

Instrument :
MSVOA_Y
ClientSampleId :
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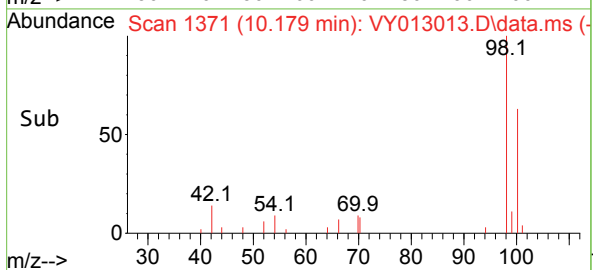
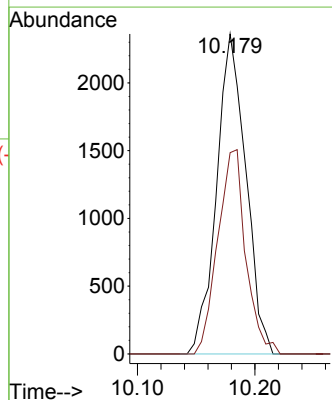
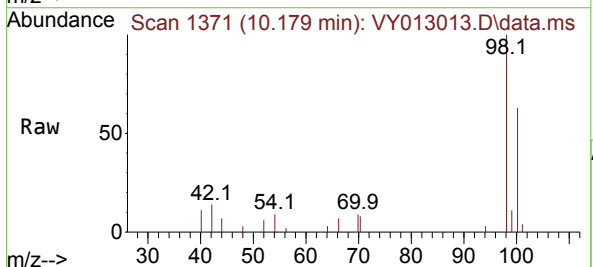


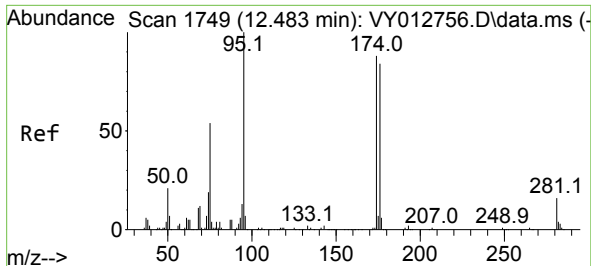
Tgt Ion:117 Resp: 183
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.911 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

Tgt Ion: 98 Resp: 4094
Ion Ratio Lower Upper
98 100
100 61.1 50.9 76.3

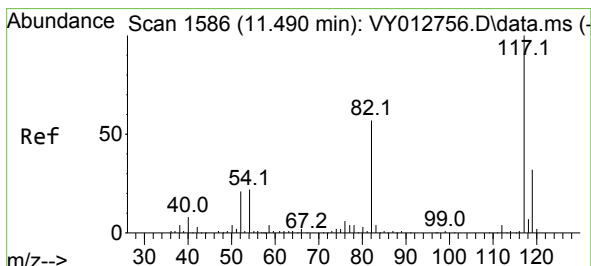
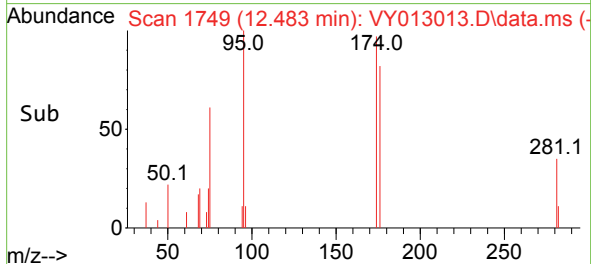
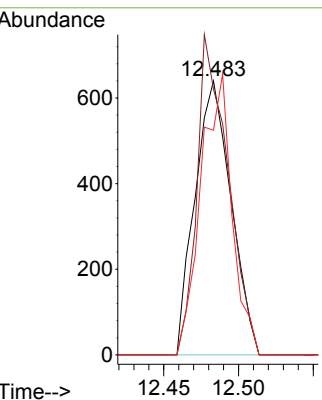
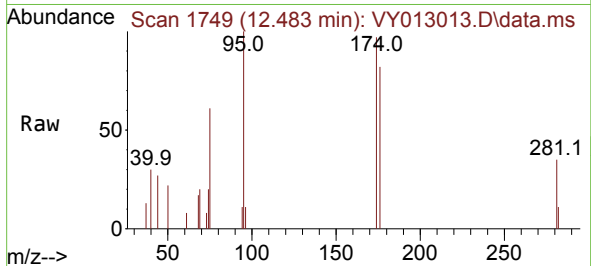




#62
4-Bromofluorobenzene
Concen: 41.901 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

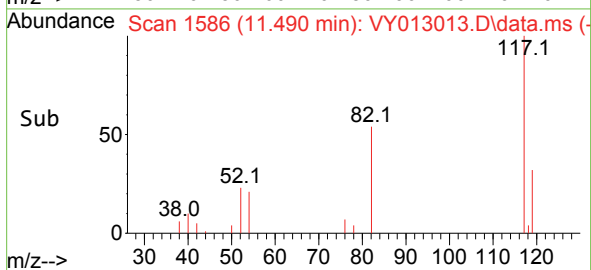
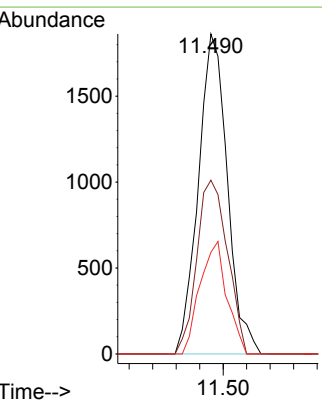
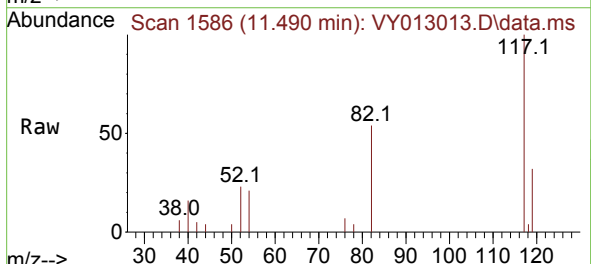
Instrument :
MSVOA_Y
ClientSampleId :
10TH-ST-SUBSTATION-TP1RE

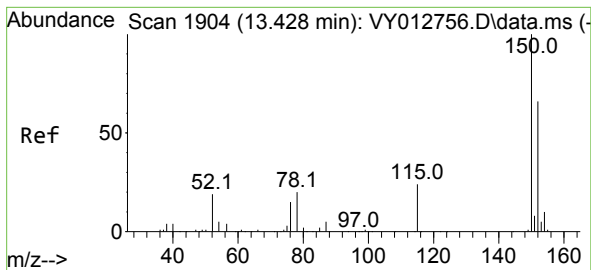
Tgt Ion:	95	Resp:	1074
Ion	Ratio	Lower	Upper
95	100		
174	100.5	0.0	176.6
176	88.3	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013013.D
Acq: 20 Mar 2023 17:14

Tgt Ion:	117	Resp:	3197
Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.4	68.0
119	31.7	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY013013.D

Acq: 20 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

10TH-ST-SUBSTATION-TP1RE

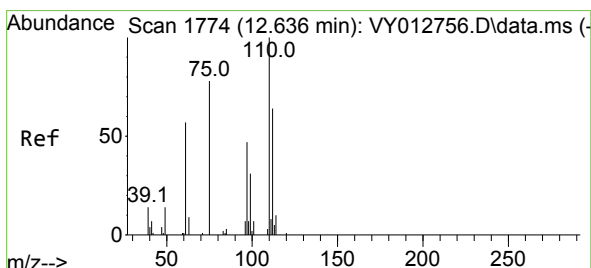
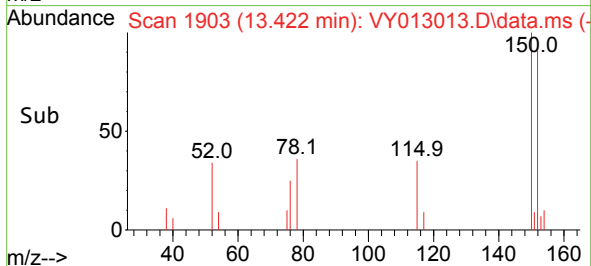
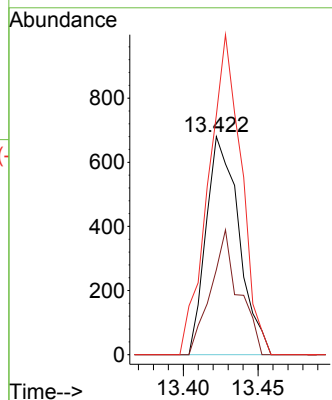
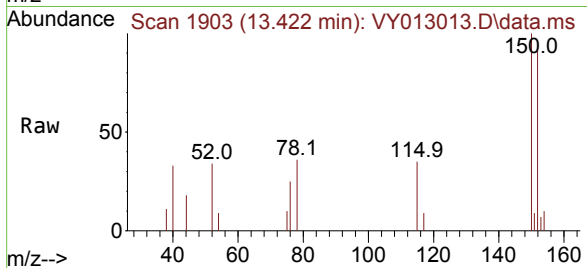
Tgt Ion:152 Resp: 1038

Ion Ratio Lower Upper

152 100

115 48.9 27.1 81.3

150 147.5 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 45.985 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013013.D

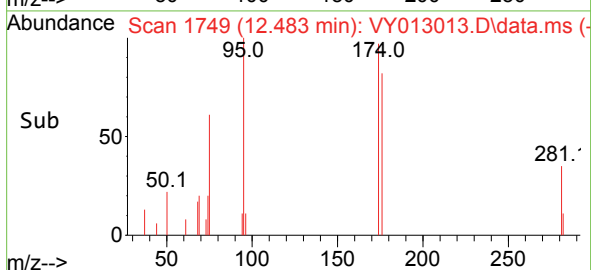
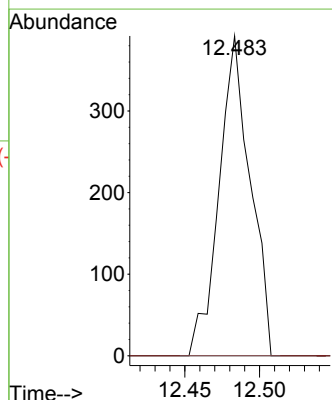
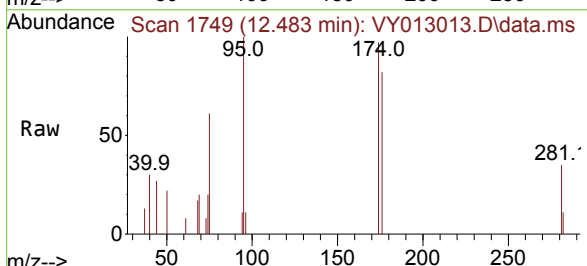
Acq: 20 Mar 2023 17:14

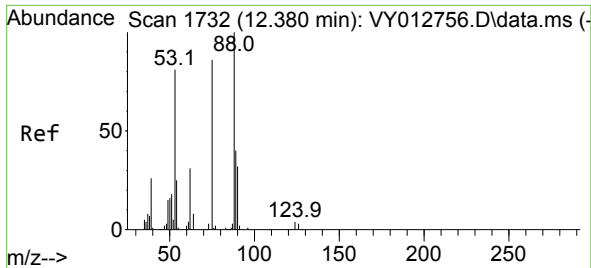
Tgt Ion: 75 Resp: 570

Ion Ratio Lower Upper

75 100

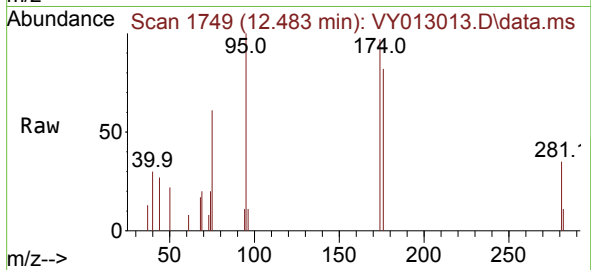
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.282 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013013.D
 Acq: 20 Mar 2023 17:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 10TH-ST-SUBSTATION-TP1RE



Tgt Ion: 75 Resp: 570
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

