

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013608.D
 Acq On : 04 May 2023 18:23
 Operator : KP/MD
 Sample : 02588-10
 Misc : 4.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-D-0-3-05022023

Quant Time: May 05 01:01:08 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)

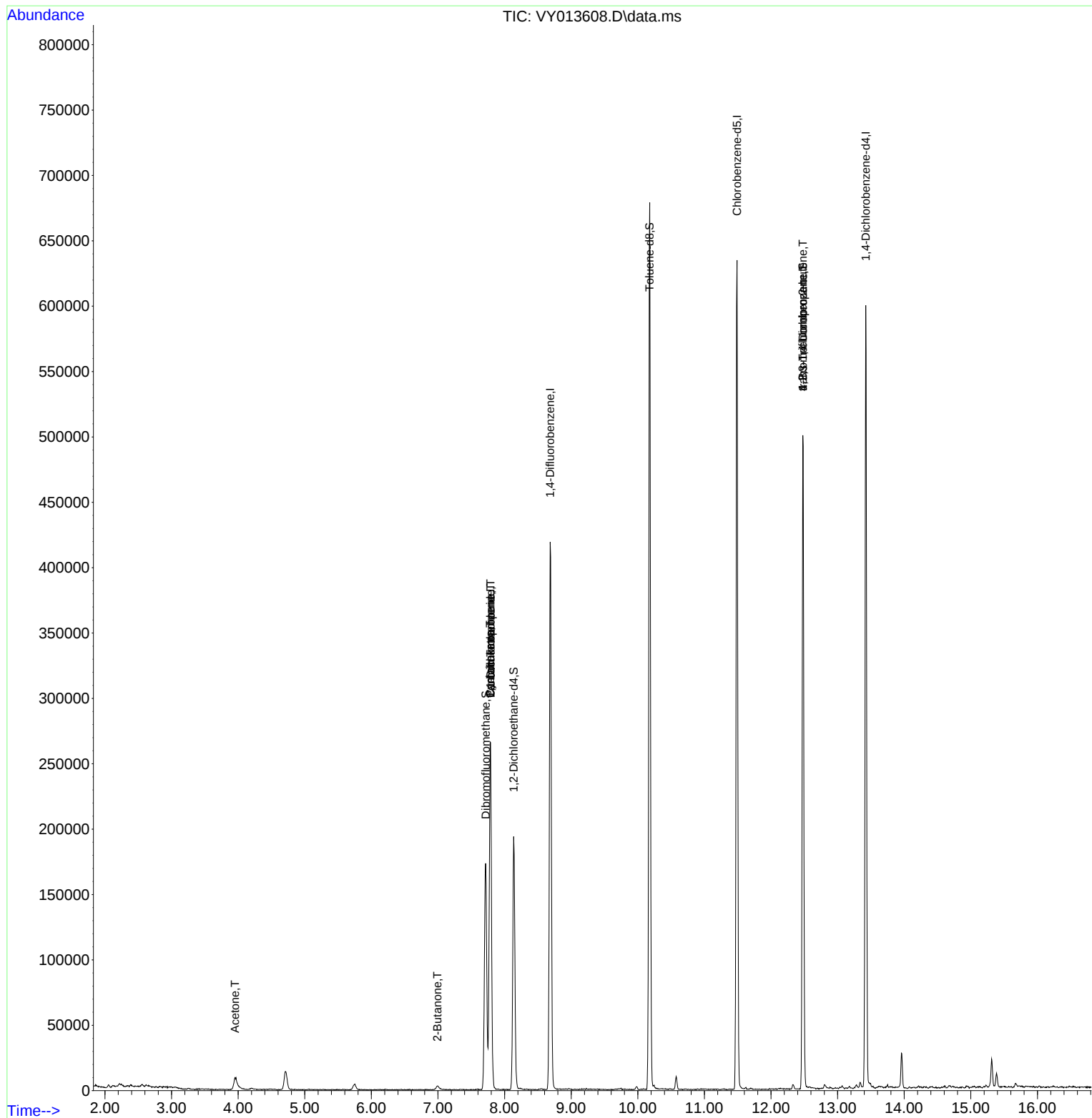
Internal Standards						
1) Pentafluorobenzene	7.789	168	210344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	342473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156752	67.981	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 135.960%		
35) Dibromofluoromethane	7.716	113	120939	54.383	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 108.760%		
50) Toluene-d8	10.179	98	437036	55.243	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 110.480%		
62) 4-Bromofluorobenzene	12.477	95	141489	53.051	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 106.100%		
Target Compounds						
13) Acrolein	3.723	56	61	Below Cal	#	68
16) Acetone	3.954	43	21553	23.735	ug/l	93
20) Methylene Chloride	4.710	84	10175	Below Cal		94
25) 2-Butanone	6.990	43	5004	4.345	ug/l #	82
31) Cyclohexane	7.783	56	4460	1.080	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	16230	4.397	ug/l #	49
38) Carbon Tetrachloride	7.789	117	20834	5.386	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	76077	36.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	76077	74.000	ug/l #	13

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

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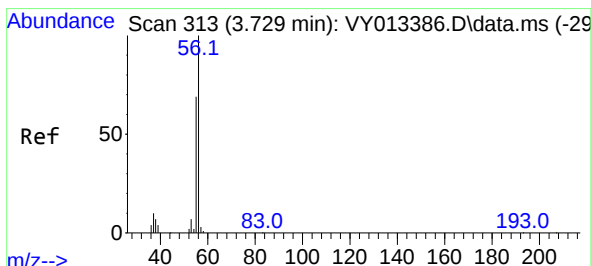
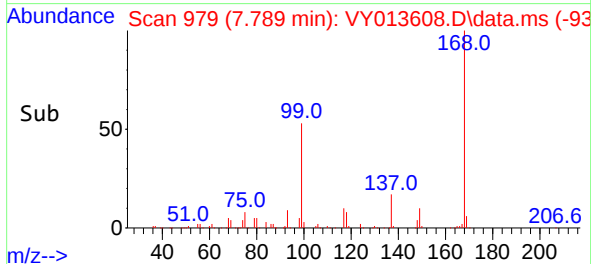
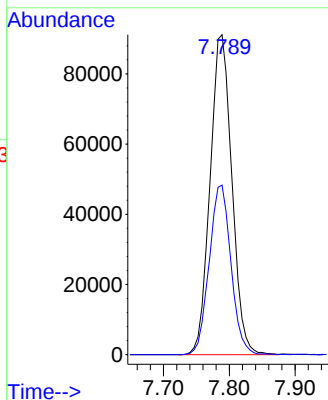
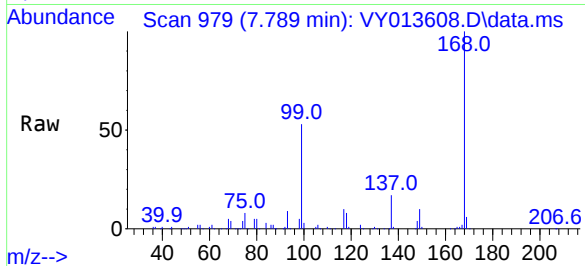




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

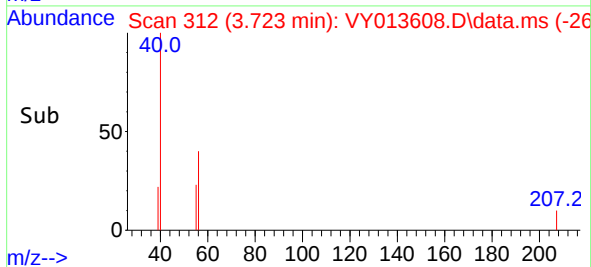
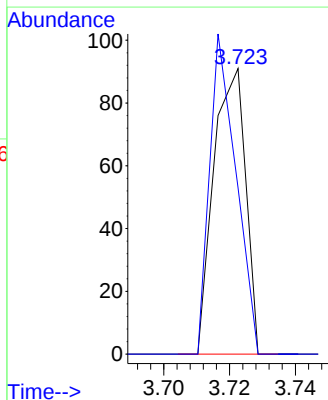
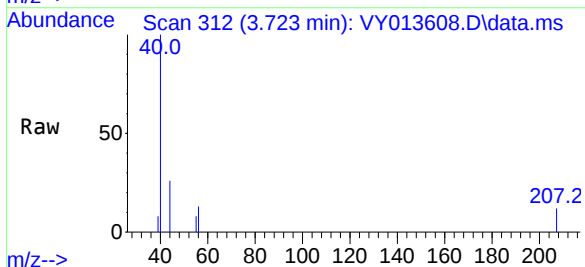
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-0-3-05022023

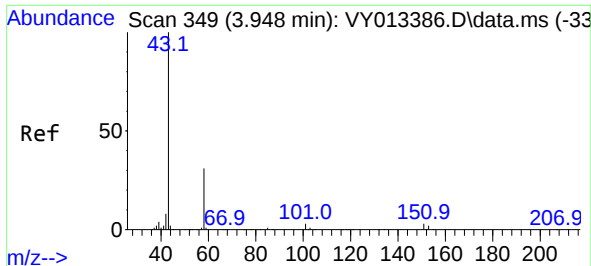
Tgt Ion:168 Resp: 210344
Ion Ratio Lower Upper
168 100
99 53.0 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 93.4 54.1 81.1#

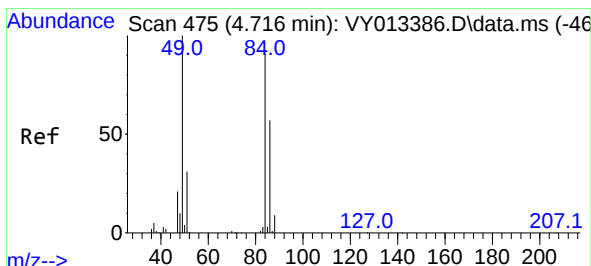
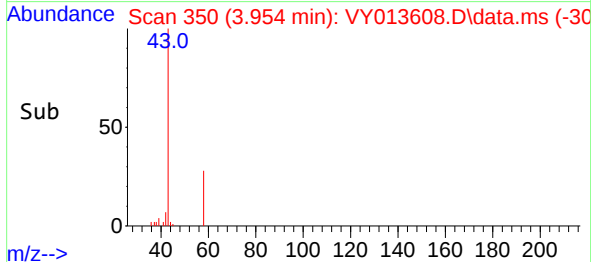
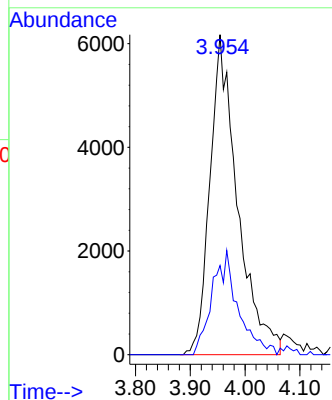
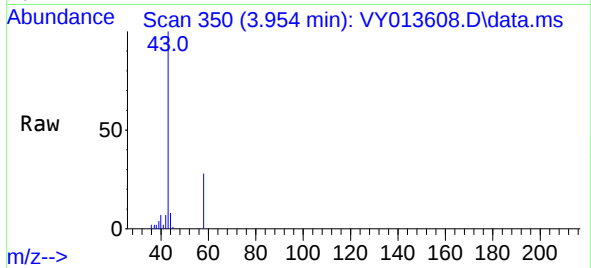




#16
Acetone
Concen: 23.735 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

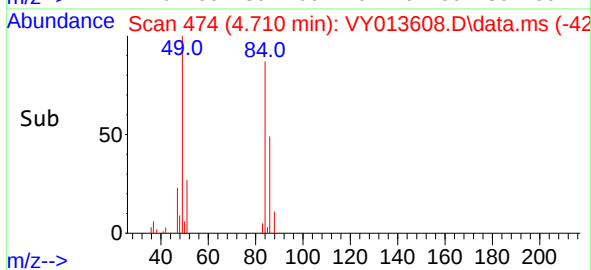
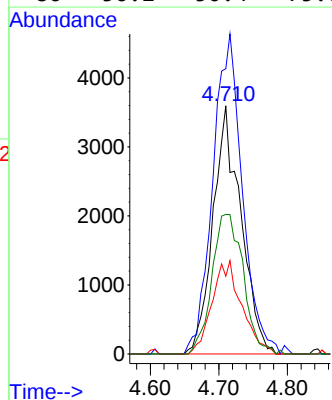
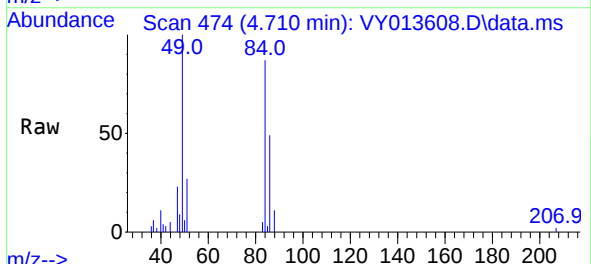
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-0-3-05022023

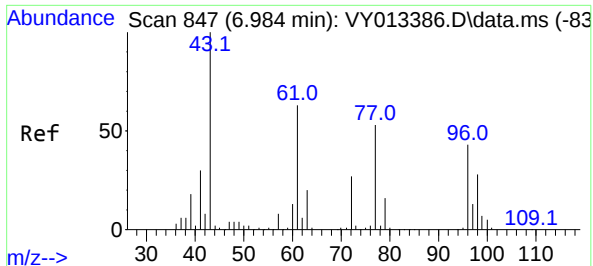
Tgt Ion: 43 Resp: 21553
Ion Ratio Lower Upper
43 100
58 27.9 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Tgt Ion: 84 Resp: 10175
Ion Ratio Lower Upper
84 100
49 115.0 88.0 132.0
51 31.4 27.4 41.0
86 56.2 50.4 75.6

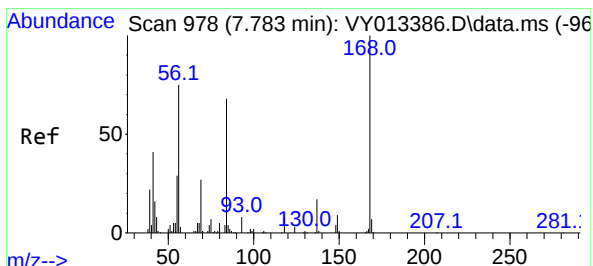
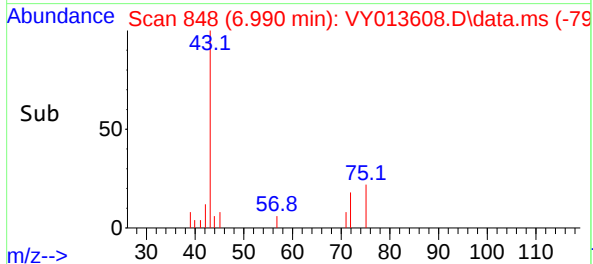
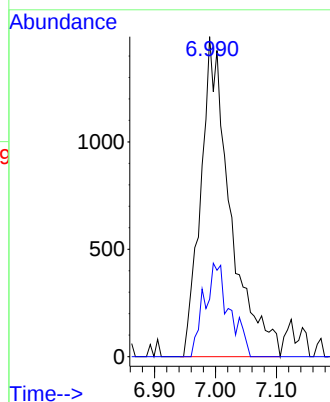
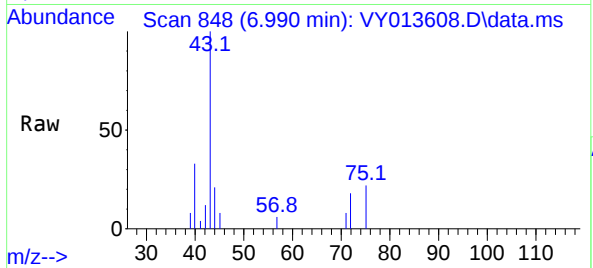




#25
2-Butanone
Concen: 4.345 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

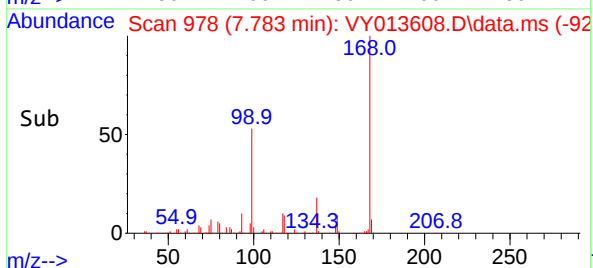
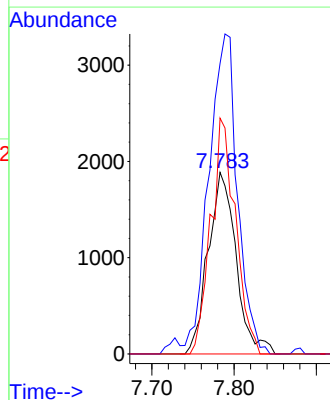
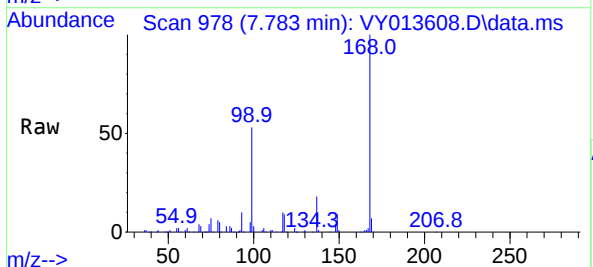
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-0-3-05022023

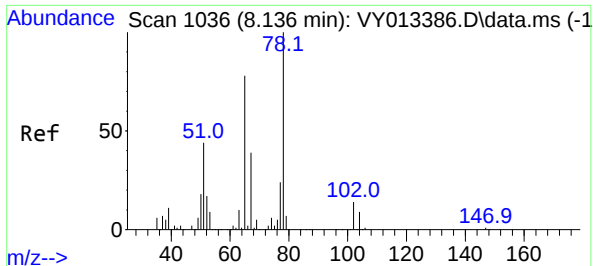
Tgt Ion: 43 Resp: 5004
Ion Ratio Lower Upper
43 100
72 17.9 21.9 32.9#



#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Tgt Ion: 56 Resp: 4460
Ion Ratio Lower Upper
56 100
69 159.9 29.2 43.8#
84 129.9 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 67.981 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013608.D

Acq: 04 May 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

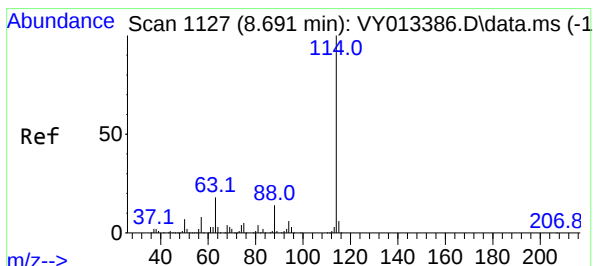
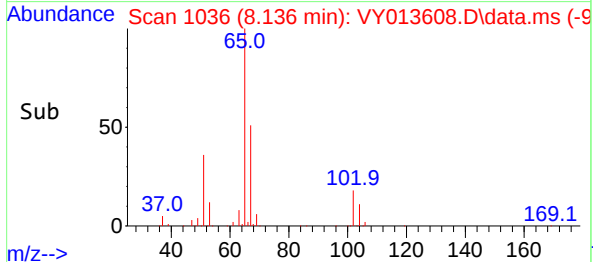
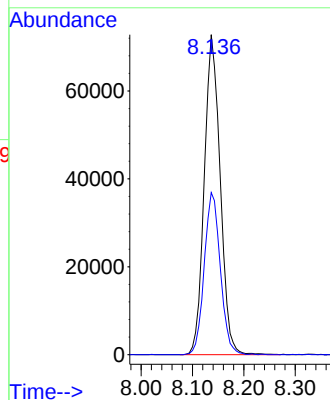
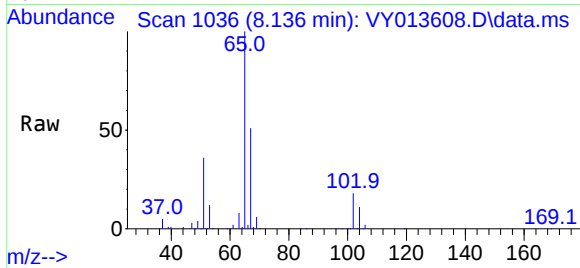
ZONE-D-0-3-05022023

Tgt Ion: 65 Resp: 156752

Ion Ratio Lower Upper

65 100

67 51.0 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: VY013608.D

Acq: 04 May 2023 18:23

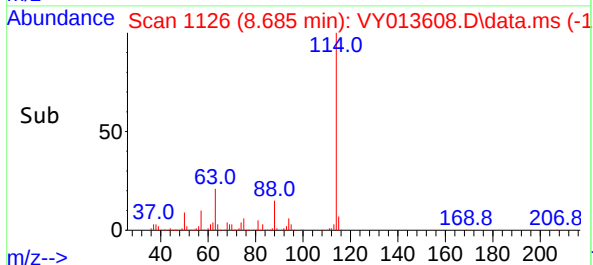
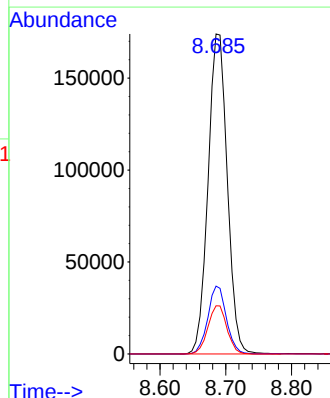
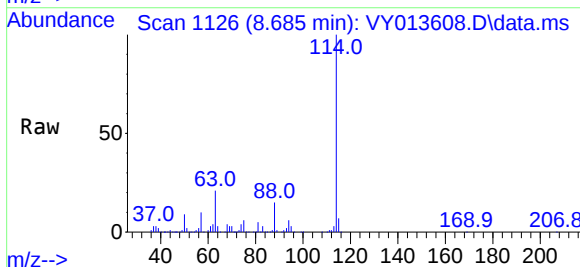
Tgt Ion: 114 Resp: 353579

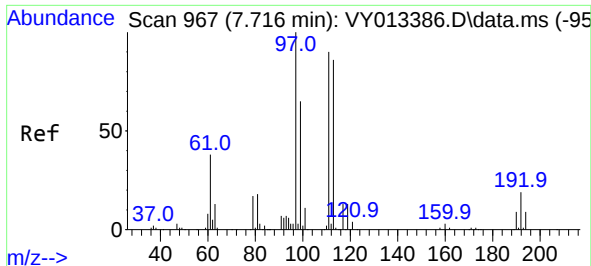
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.6

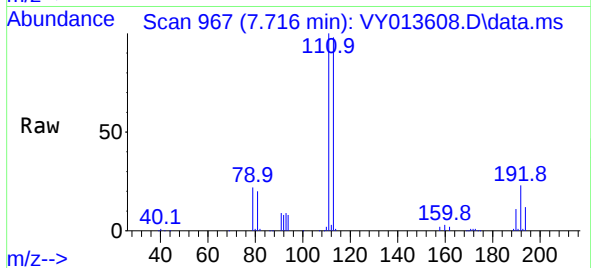
88 15.0 0.0 28.8



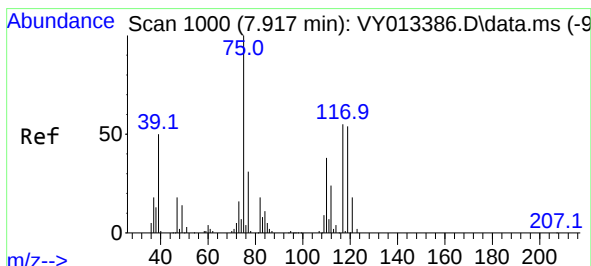
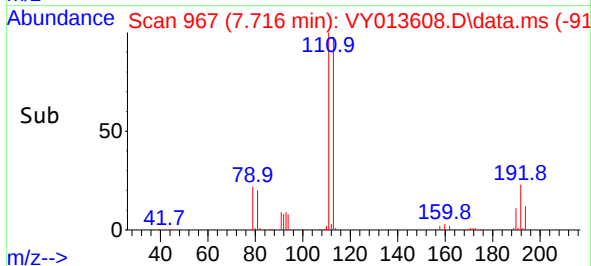
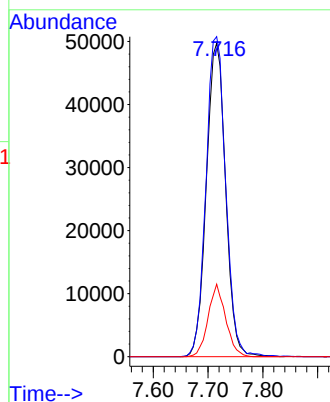


#35
Dibromofluoromethane
Concen: 54.383 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-0-3-05022023

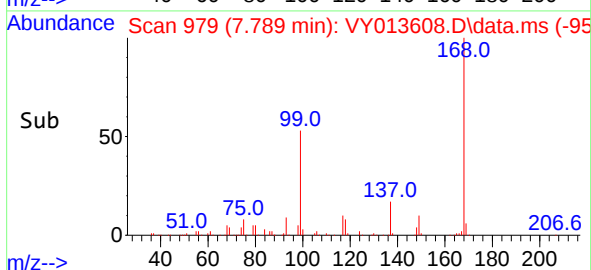
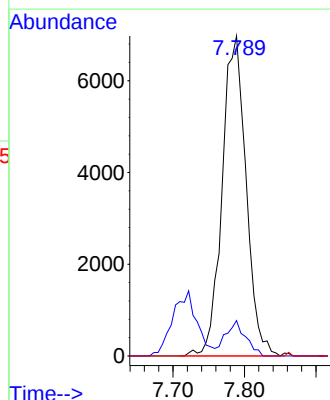
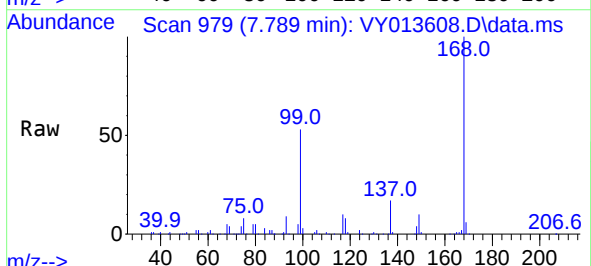


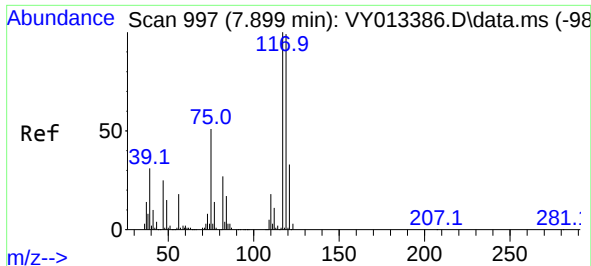
Tgt Ion:113 Resp: 120939
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 21.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.397 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Tgt Ion: 75 Resp: 16230
Ion Ratio Lower Upper
75 100
110 9.2 18.7 56.1#
77 0.0 24.6 37.0#

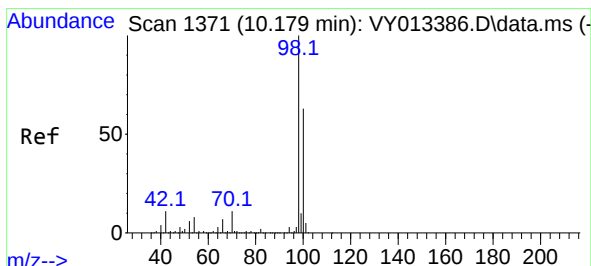
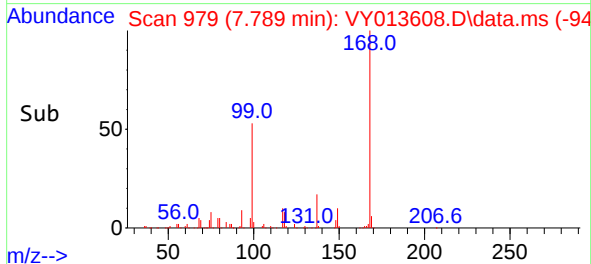
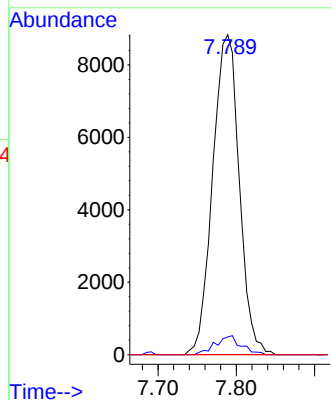
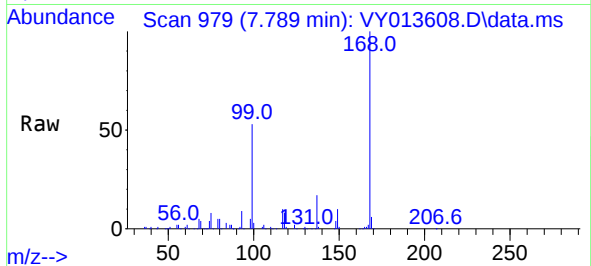




#38
Carbon Tetrachloride
Concen: 5.386 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

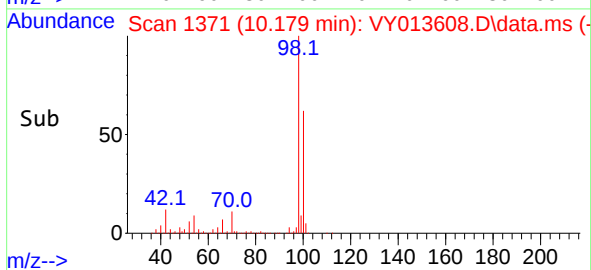
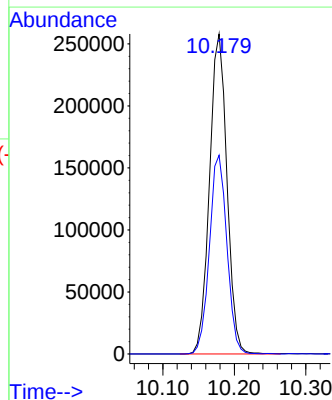
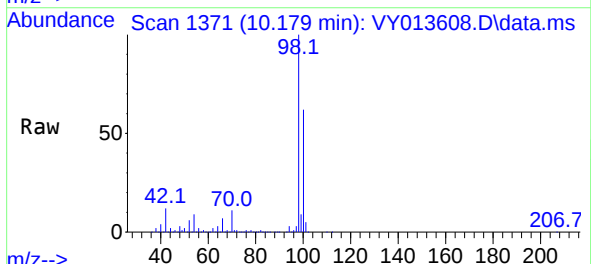
Instrument :
MSVOA_Y
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ZONE-D-0-3-05022023

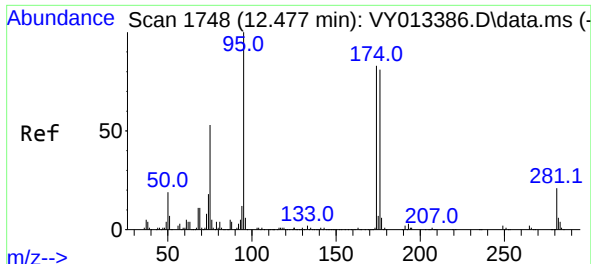
Tgt Ion:117 Resp: 20834
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.243 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Tgt Ion: 98 Resp: 437036
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7

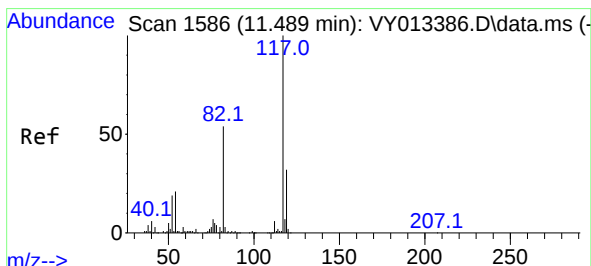
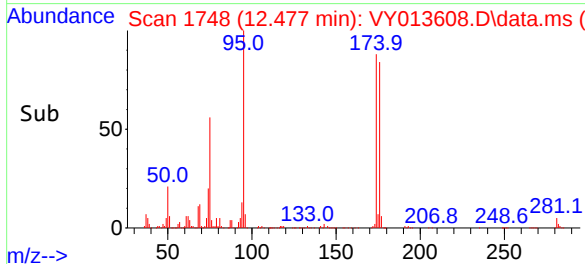
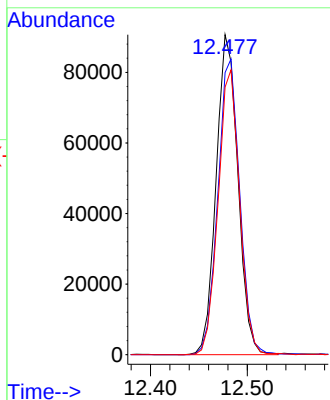
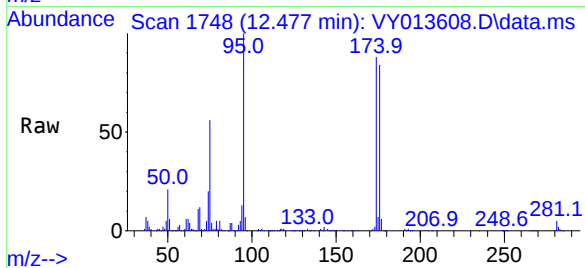




#62
4-Bromofluorobenzene
Concen: 53.051 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

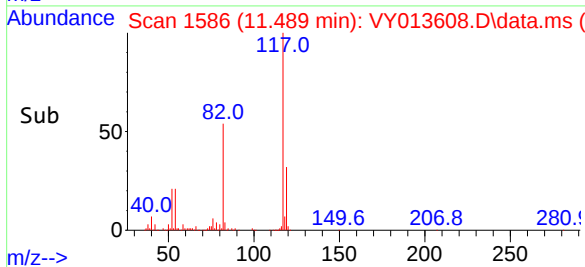
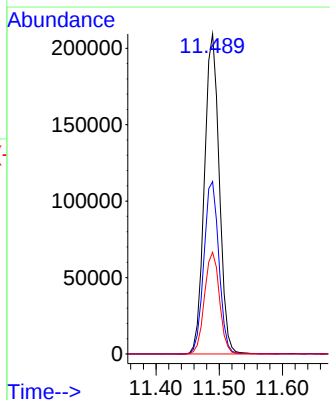
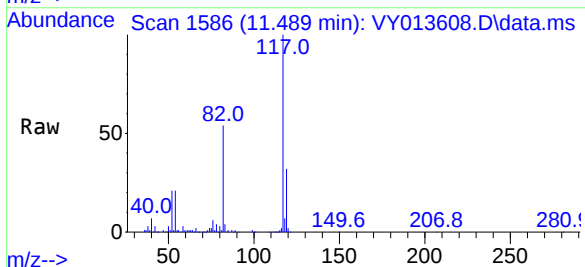
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-0-3-05022023

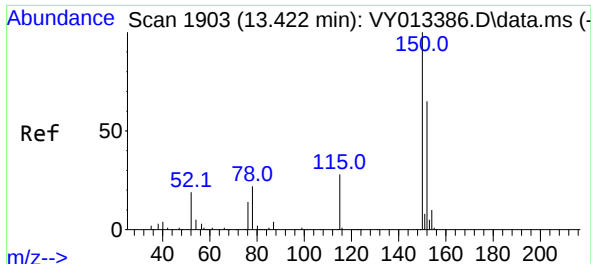
Tgt Ion: 95 Resp: 141489
Ion Ratio Lower Upper
95 100
174 93.2 0.0 182.0
176 88.0 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

Tgt Ion: 117 Resp: 342473
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.6
119 31.8 25.5 38.3

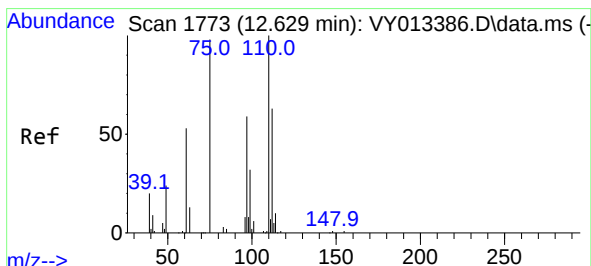
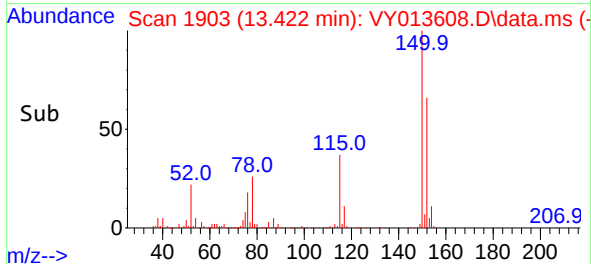
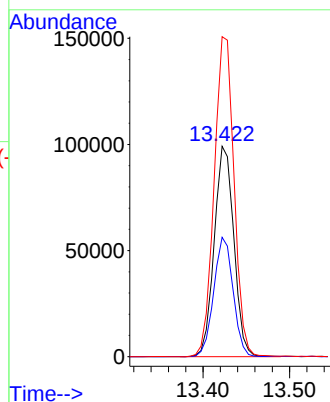
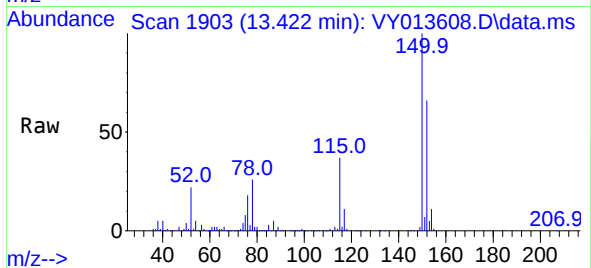




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

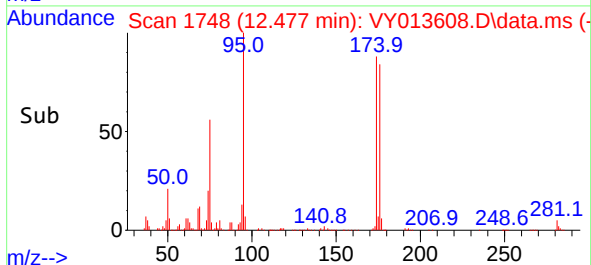
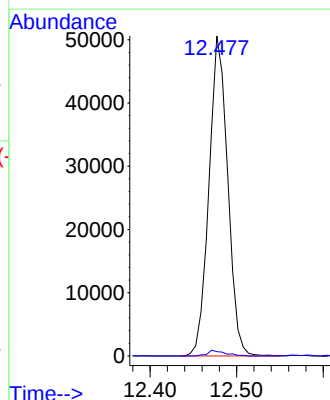
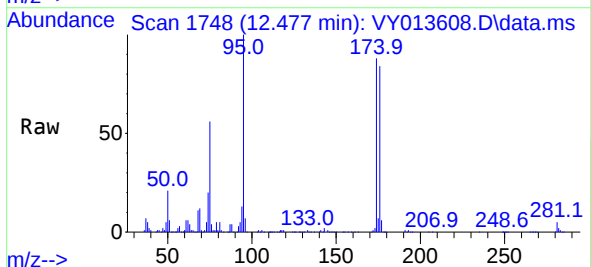
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-0-3-05022023

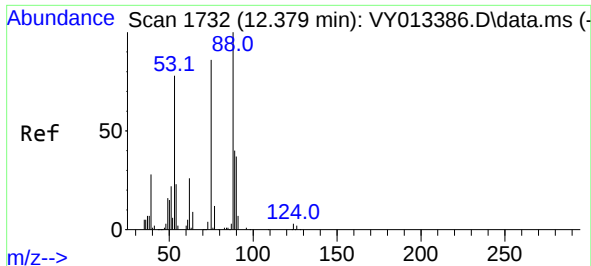
Tgt Ion:152 Resp: 155934
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.2
150 154.5 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 36.176 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013608.D
Acq: 04 May 2023 18:23

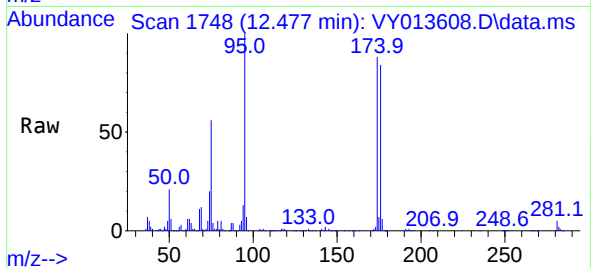
Tgt Ion: 75 Resp: 76077
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.000 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013608.D
 Acq: 04 May 2023 18:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-D-0-3-05022023



Tgt Ion: 75 Resp: 76077
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.2 109.8#
 89 0.1 38.0 57.0#

