

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014901.D
 Acq On : 28 Jul 2023 12:08
 Operator : SY/MD
 Sample : 03756-19
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 307/308-TP-6-8-GRAB-(4-5)

Quant Time: Jul 29 03:02:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

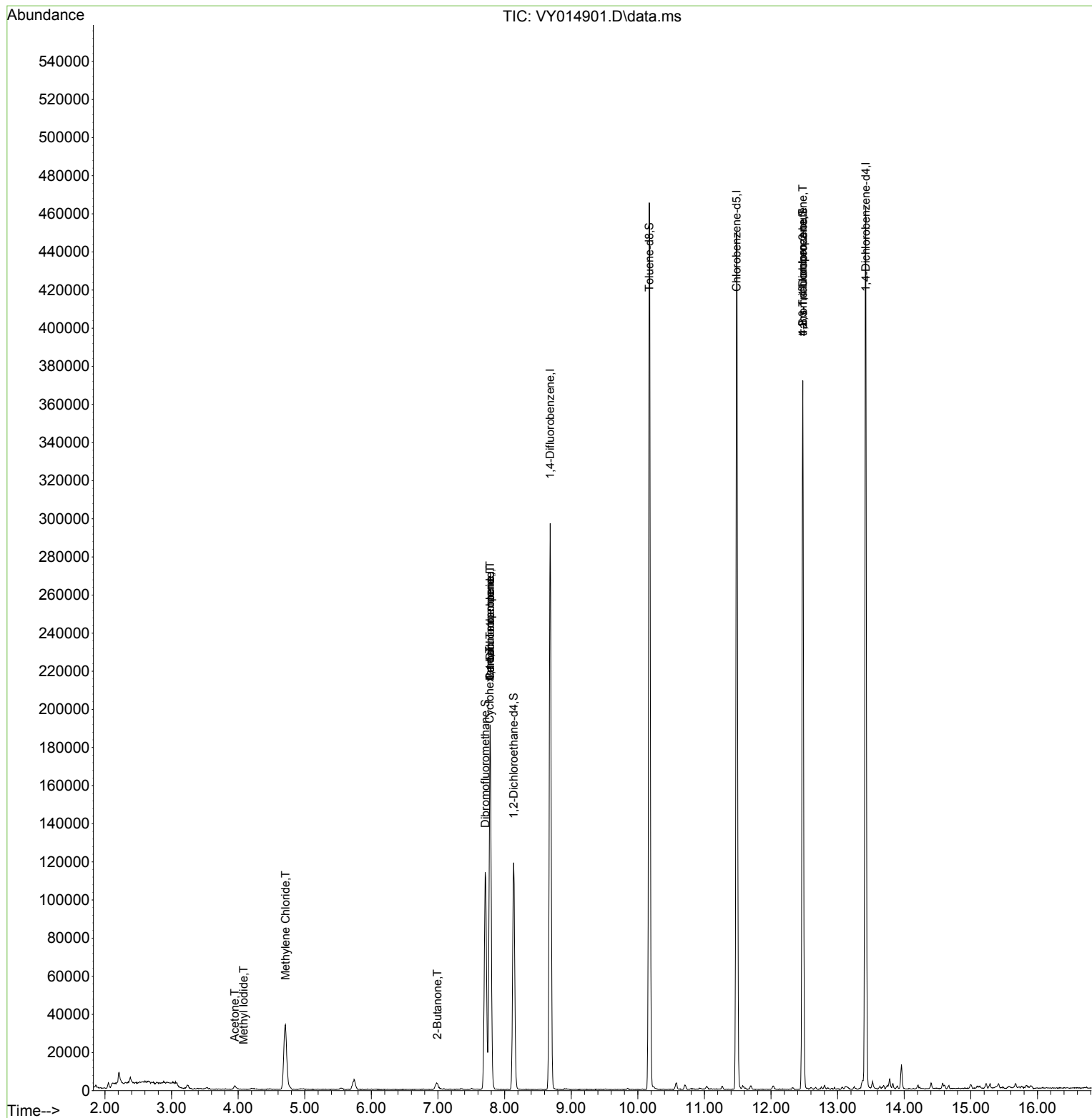
Internal Standards						
1) Pentafluorobenzene	7.783	168	141601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	252361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	241738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92921	57.586	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.180%			
35) Dibromofluoromethane	7.710	113	80214	49.932	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.860%			
50) Toluene-d8	10.173	98	300331	50.708	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.477	95	108910	47.957	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.920%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	203	2.492	ug/l #	38
11) Tert butyl alcohol	4.978	59	898	Below Cal	#	89
16) Acetone	3.948	43	2953	5.775	ug/l #	75
20) Methylene Chloride	4.710	84	26245	12.645	ug/l	90
25) 2-Butanone	6.990	43	1152	1.540	ug/l #	81
31) Cyclohexane	7.777	56	3109	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10995	4.577	ug/l #	51
38) Carbon Tetrachloride	7.783	117	14223	5.601	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	59077	39.822	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59077	77.103	ug/l #	10

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

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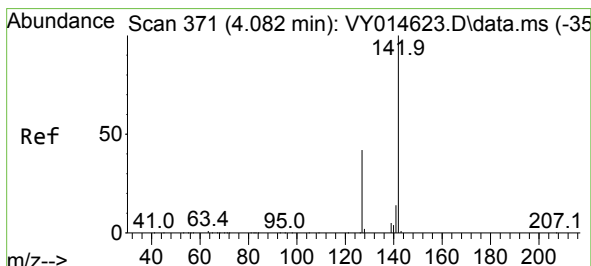
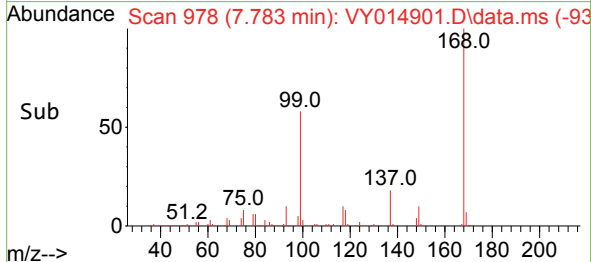
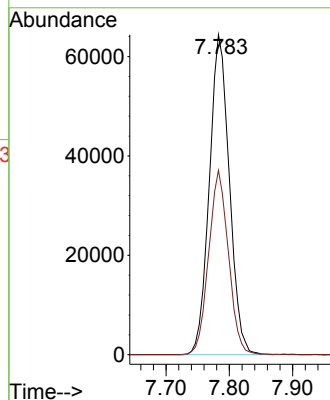
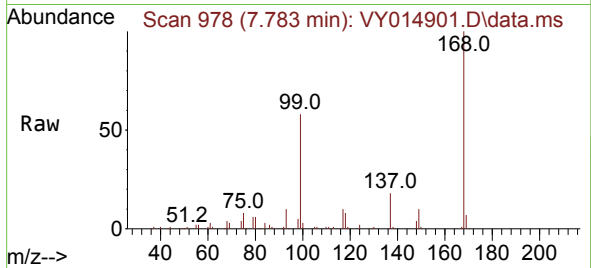




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

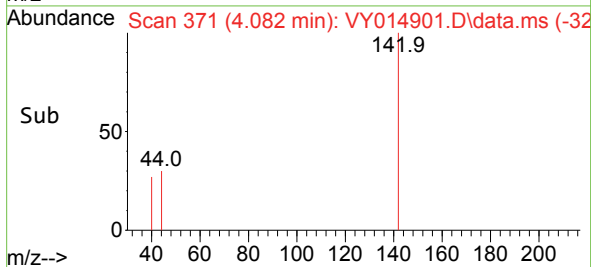
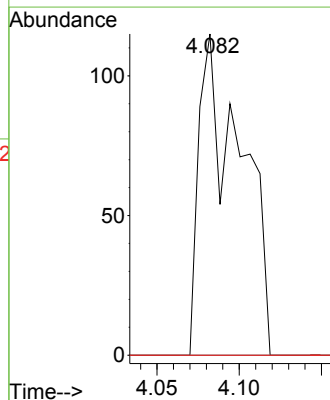
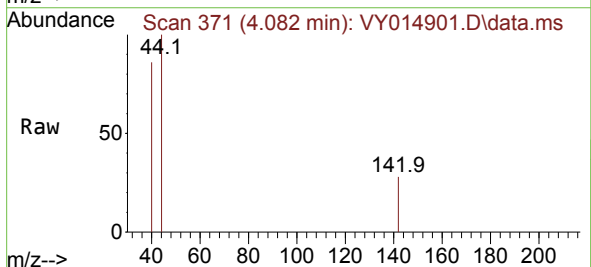
Instrument :
MSVOA_Y
ClientSampleId :
307/308-TP-6-8-GRAB-(4-5)

Tgt Ion:168 Resp: 141601
Ion Ratio Lower Upper
168 100
99 57.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.492 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

Tgt Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

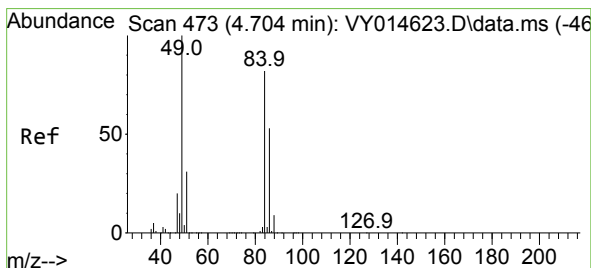
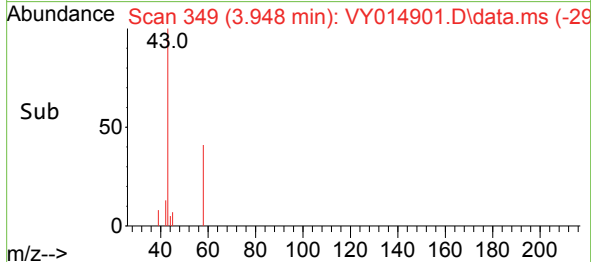
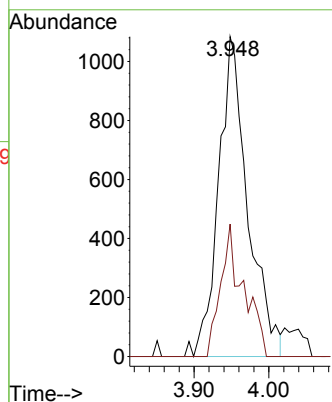
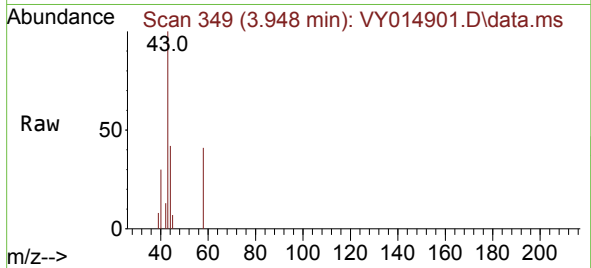




#16
Acetone
Concen: 5.775 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

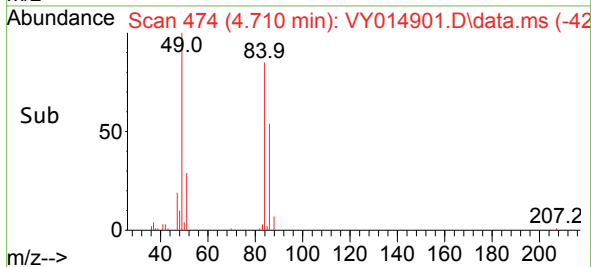
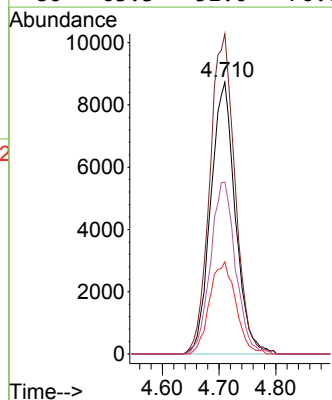
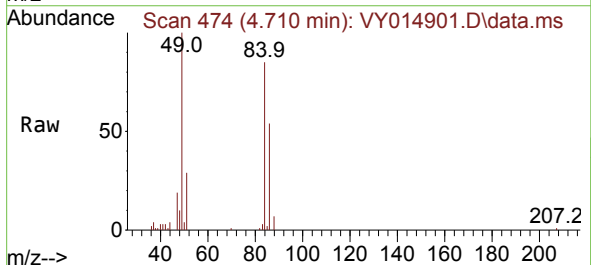
Instrument :
MSVOA_Y
ClientSampleId :
307/308-TP-6-8-GRAB-(4-5)

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
58 41.4 22.7 34.1#



#20
Methylene Chloride
Concen: 12.645 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

Tgt Ion: 84 Resp: 26245
Ion Ratio Lower Upper
84 100
49 117.8 106.9 160.3
51 34.0 33.2 49.8
86 63.3 51.0 76.6

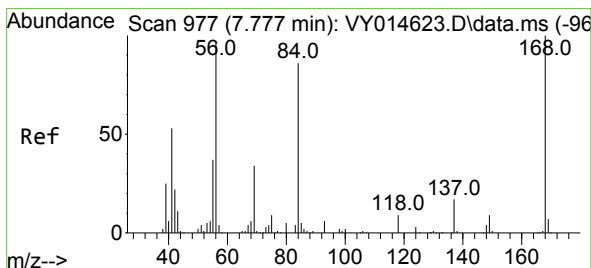
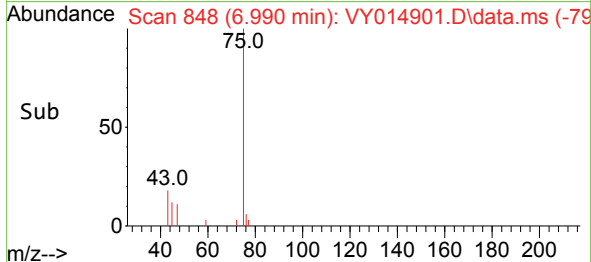
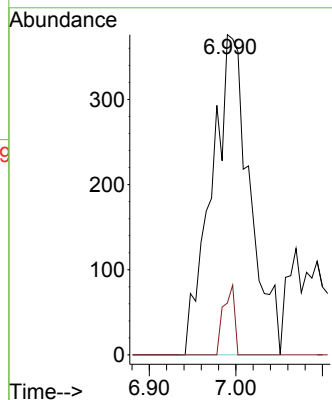
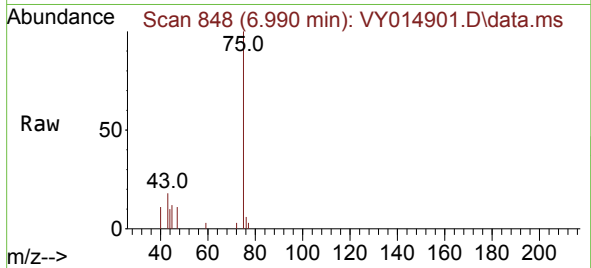




#25
2-Butanone
Concen: 1.540 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

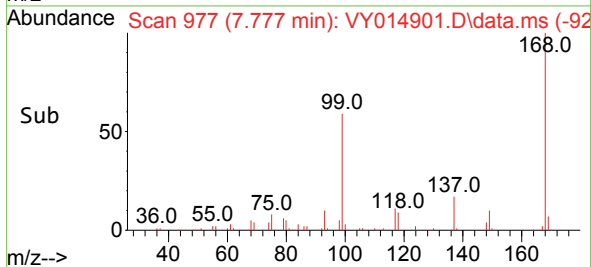
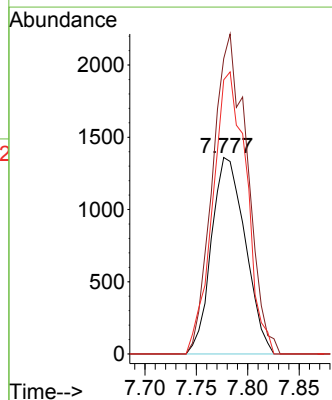
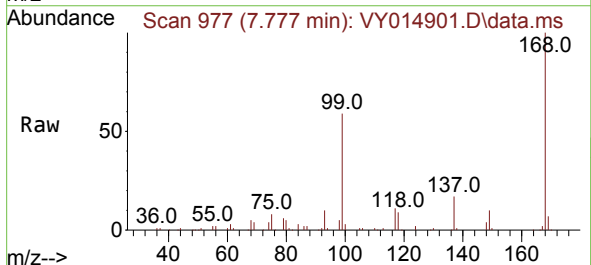
Instrument :
MSVOA_Y
ClientSampleId :
307/308-TP-6-8-GRAB-(4-5)

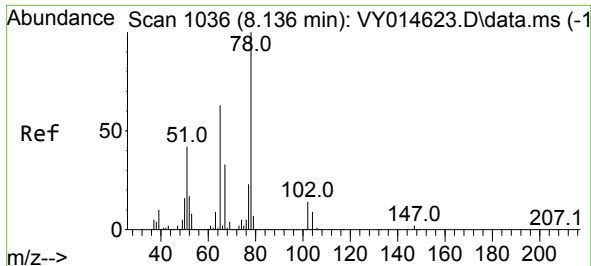
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
72 16.2 20.5 30.7#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

Tgt Ion: 56 Resp: 3109
Ion Ratio Lower Upper
56 100
69 150.3 27.8 41.6#
84 139.5 66.4 99.6#

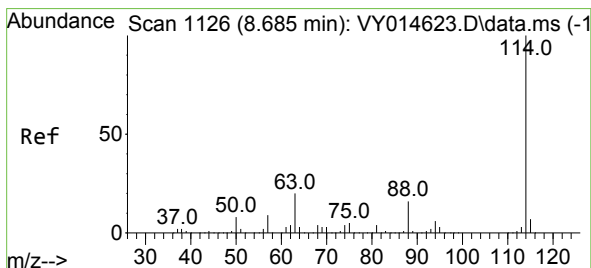
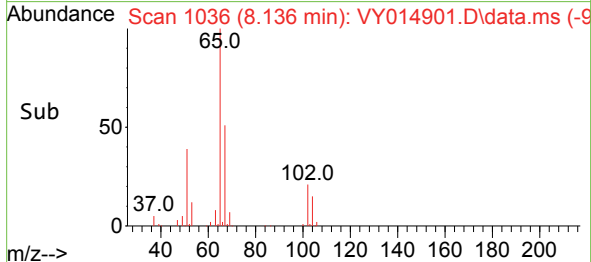
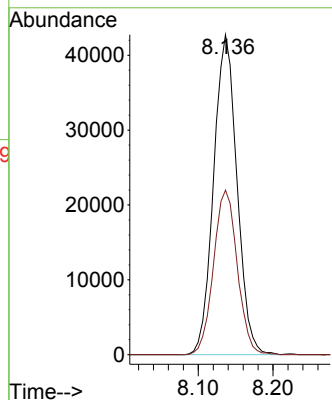
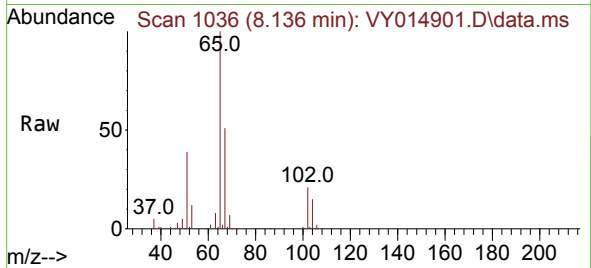




#33
 1,2-Dichloroethane-d4
 Concen: 57.586 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: VY014901.D
 Acq: 28 Jul 2023 12:08

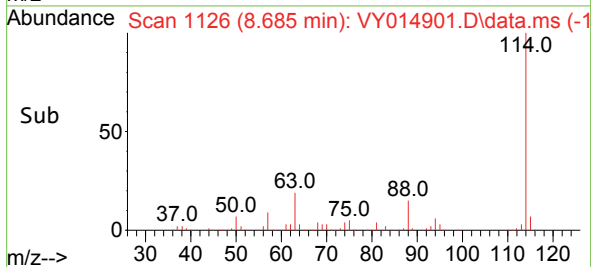
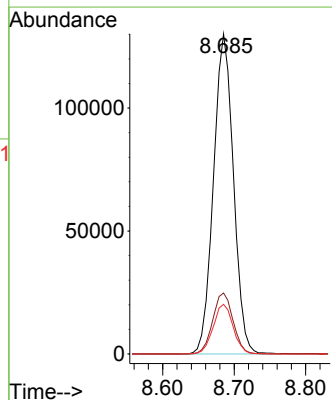
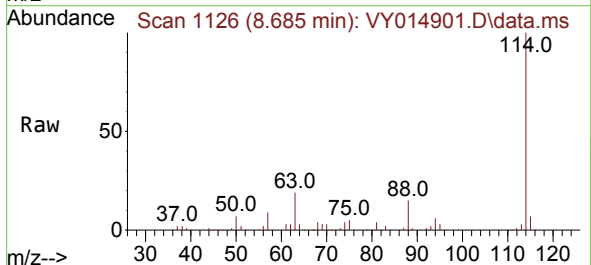
Instrument :
 MSVOA_Y
 ClientSampleId :
 307/308-TP-6-8-GRAB-(4-5)

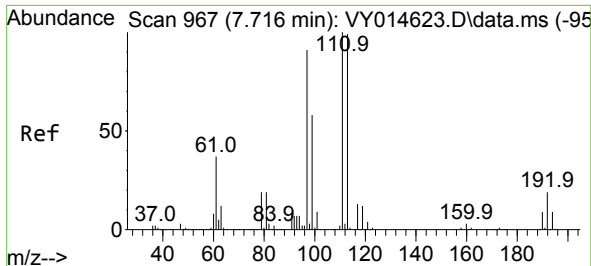
Tgt Ion: 65 Resp: 92921
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014901.D
 Acq: 28 Jul 2023 12:08

Tgt Ion:114 Resp: 252361
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 15.5 0.0 30.6

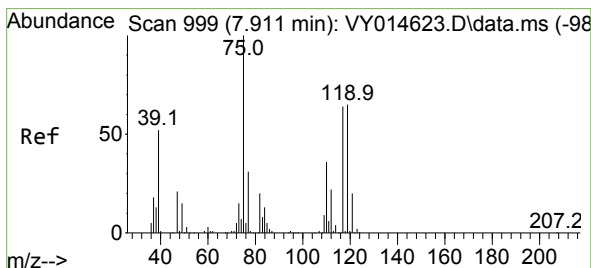
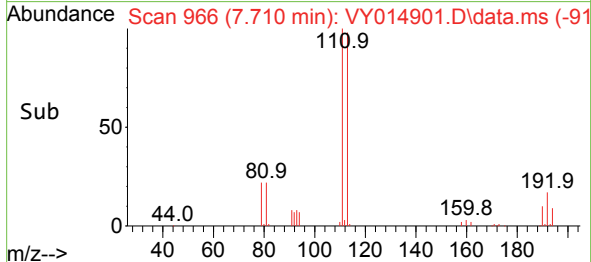
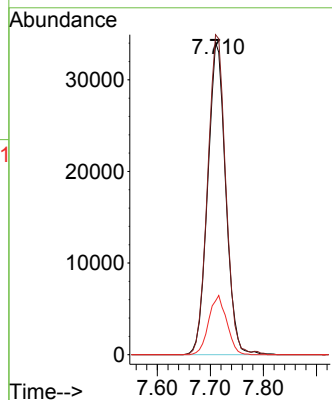
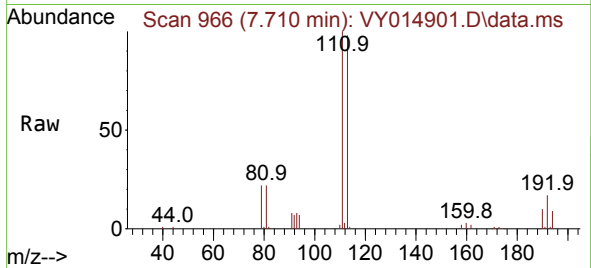




#35
Dibromofluoromethane
Concen: 49.932 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

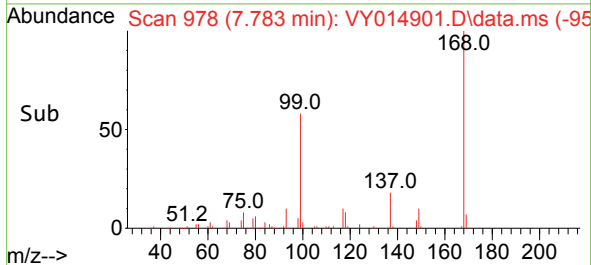
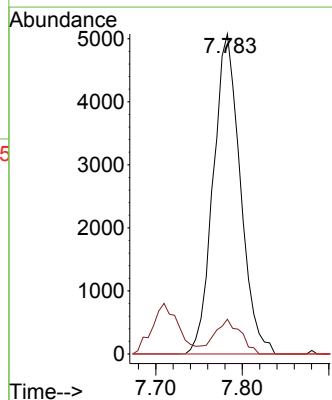
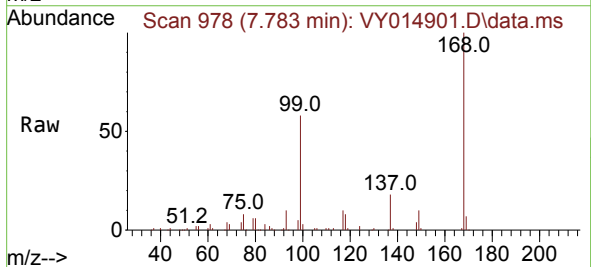
Instrument :
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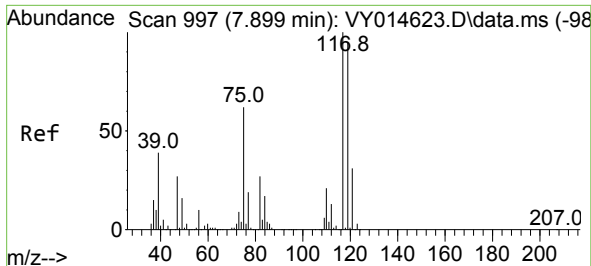
Tgt Ion:113 Resp: 80214
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

Tgt Ion: 75 Resp: 10995
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#

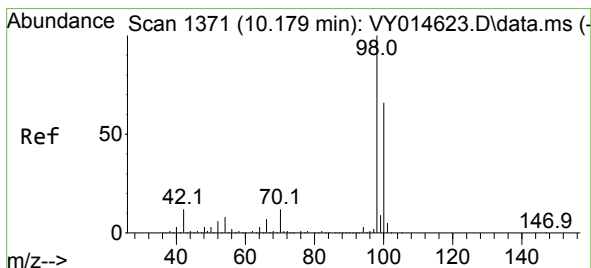
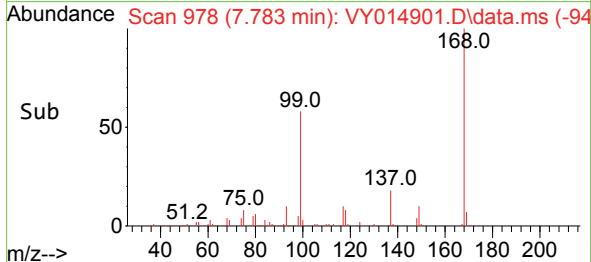
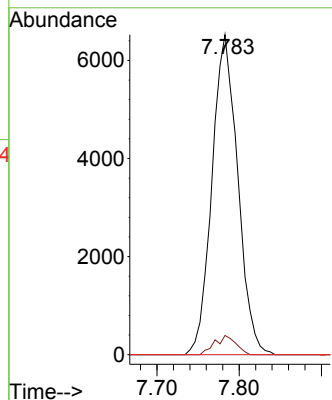
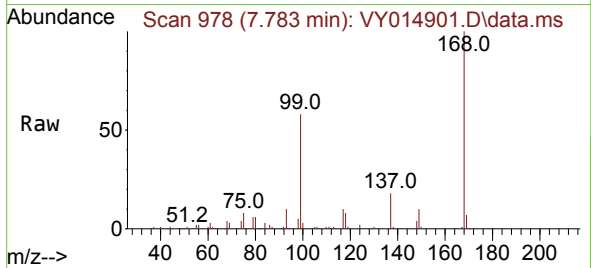




#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

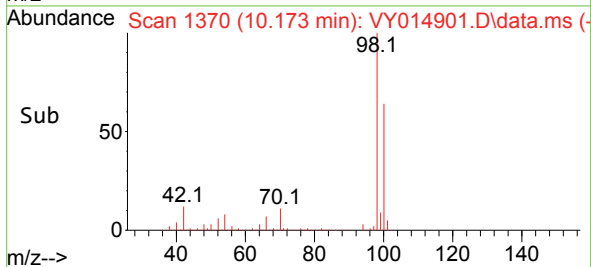
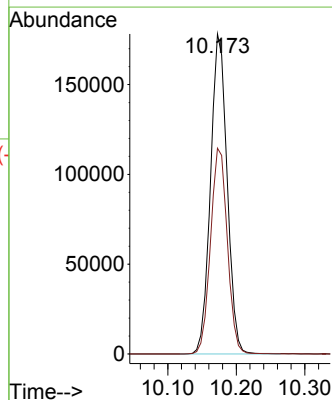
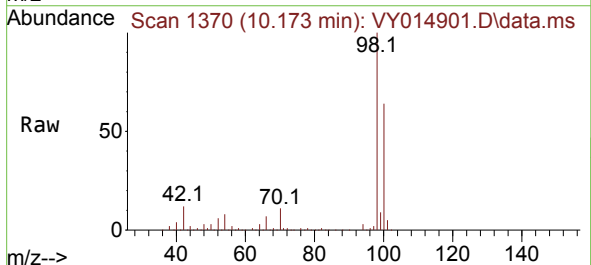
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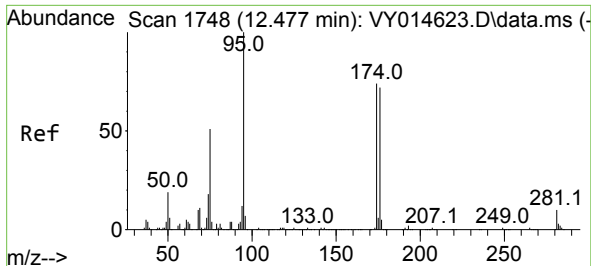
Tgt Ion:117 Resp: 14223
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

Tgt Ion: 98 Resp: 300331
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

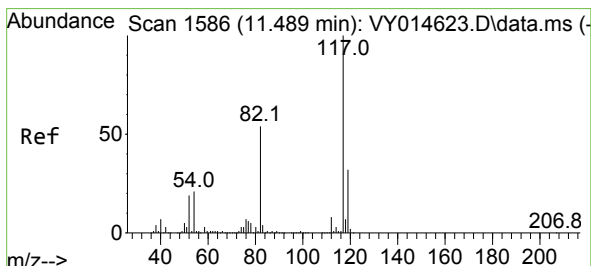
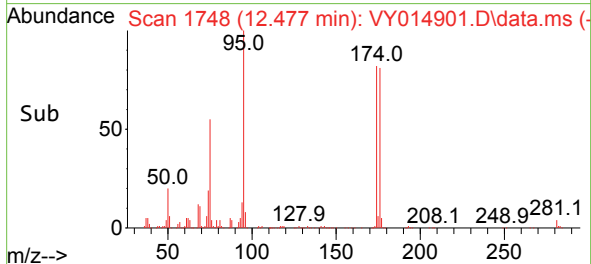
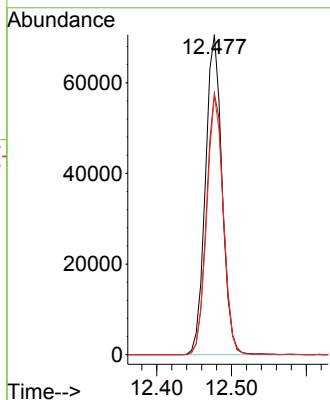
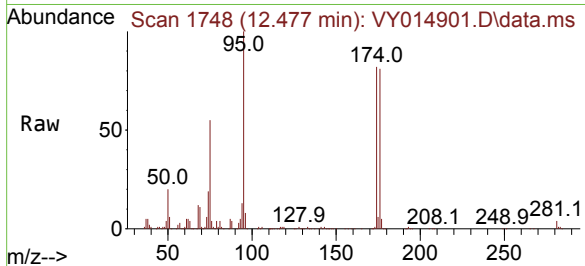




#62
4-Bromofluorobenzene
Concen: 47.957 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

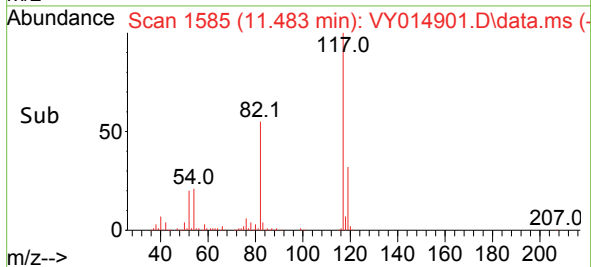
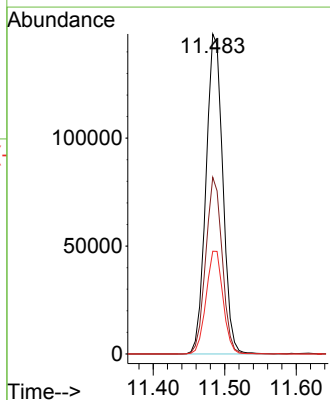
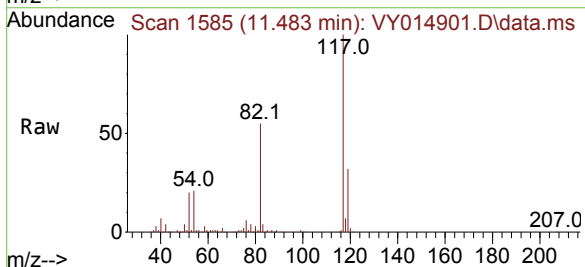
Instrument :
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307/308-TP-6-8-GRAB-(4-5)

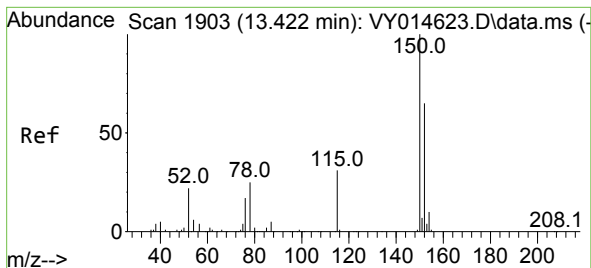
Tgt Ion: 95 Resp: 108910
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 80.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014901.D
Acq: 28 Jul 2023 12:08

Tgt Ion: 117 Resp: 241738
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014901.D

Acq: 28 Jul 2023 12:08

Instrument :

MSVOA_Y

ClientSampleId :

307/308-TP-6-8-GRAB-(4-5)

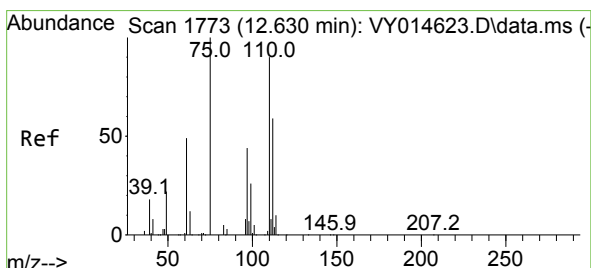
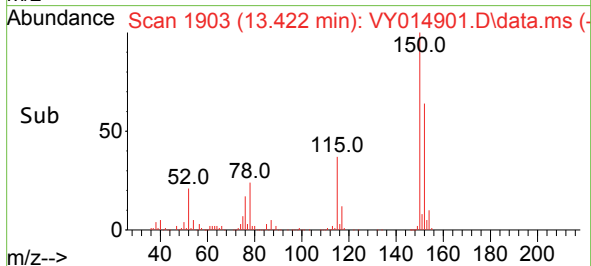
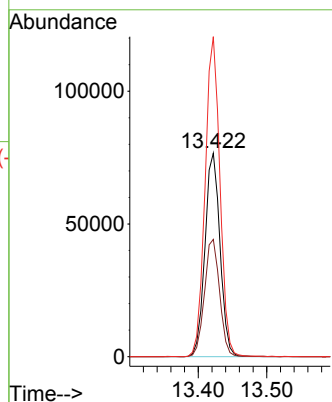
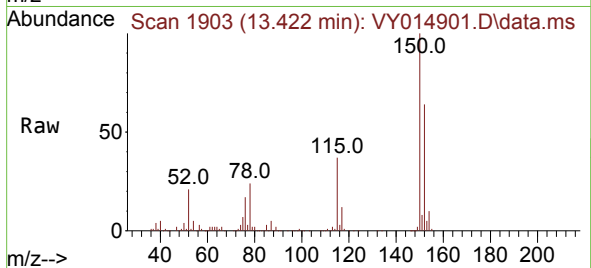
Tgt Ion:152 Resp: 117463

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.822 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014901.D

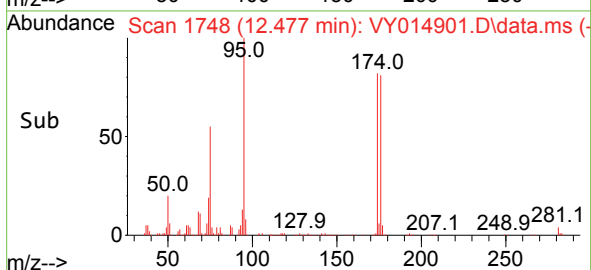
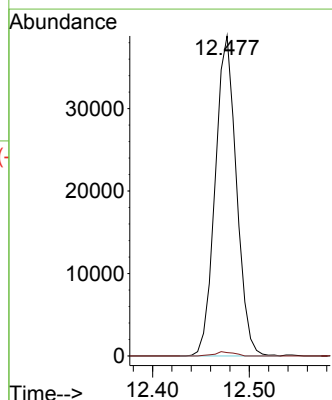
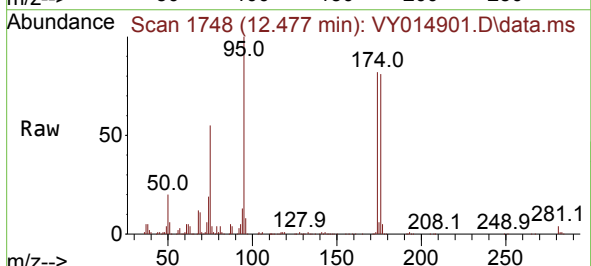
Acq: 28 Jul 2023 12:08

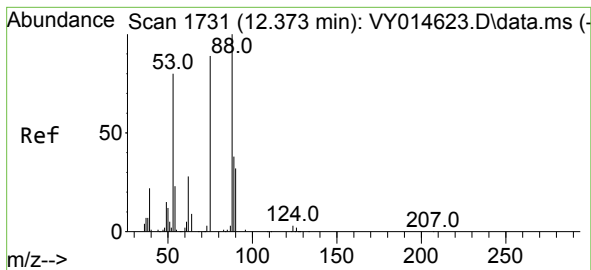
Tgt Ion: 75 Resp: 59077

Ion Ratio Lower Upper

75 100

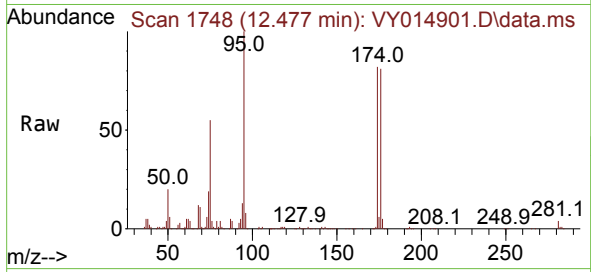
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.103 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014901.D
 Acq: 28 Jul 2023 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 307/308-TP-6-8-GRAB-(4-5)



Tgt Ion: 75 Resp: 59077
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

