

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015157.D
 Acq On : 16 Aug 2023 18:04
 Operator : SY/MD
 Sample : 04045-03
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:32:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

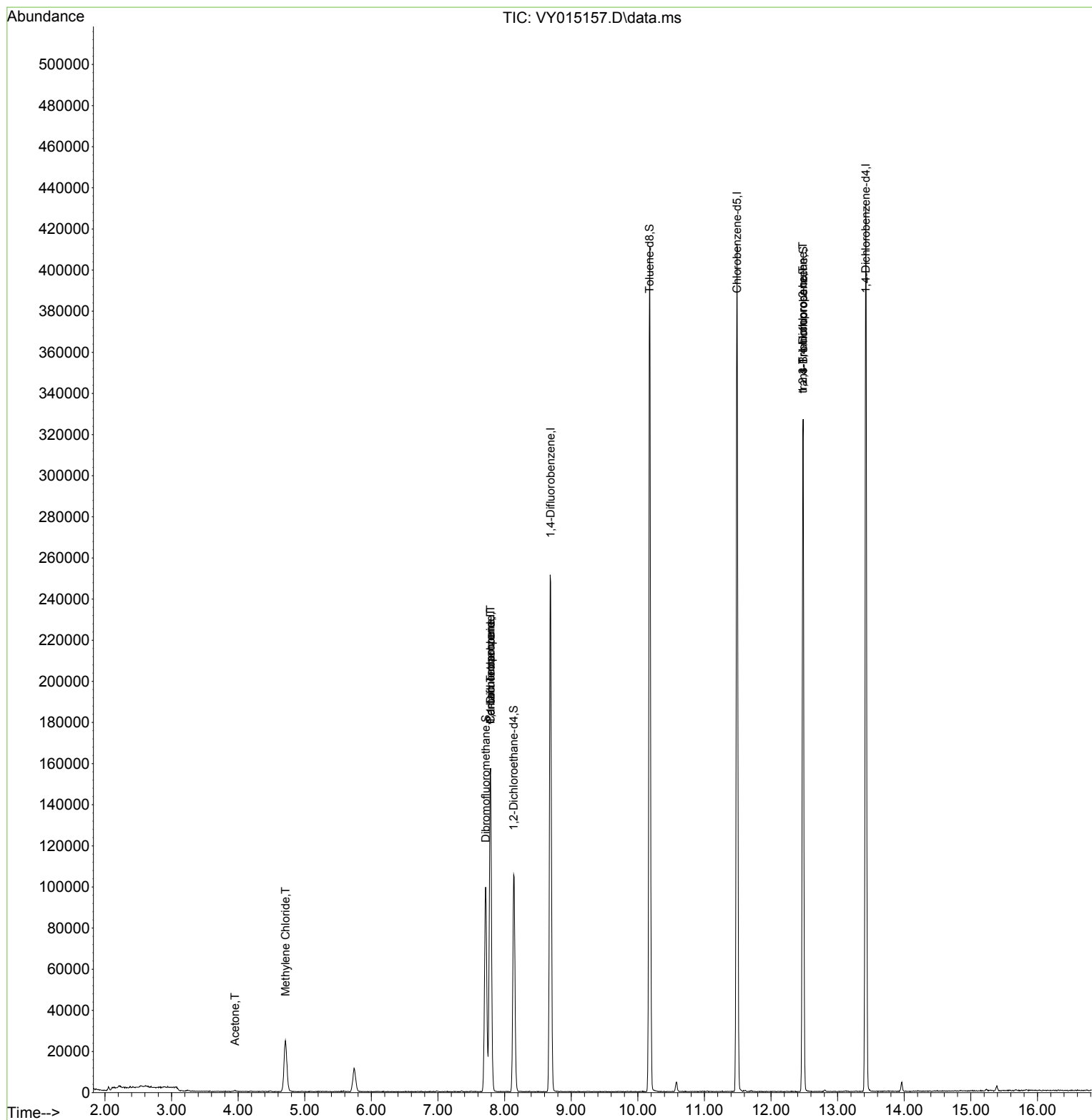
Internal Standards						
1) Pentafluorobenzene	7.789	168	122645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	218121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83784	56.909	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.820%	
35) Dibromofluoromethane	7.715	113	69140	49.271	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.540%	
50) Toluene-d8	10.178	98	264165	50.571	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.483	95	98688	51.725	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.440%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	48	Below Cal	#	43
3) Chloromethane	2.107	50	361	Below Cal		96
5) Bromomethane	2.655	94	207	Below Cal		99
11) Tert butyl alcohol	4.948	59	138	Below Cal	#	89
16) Acetone	3.954	43	952	1.979	ug/l #	84
20) Methylene Chloride	4.710	84	18245	12.589	ug/l	93
31) Cyclohexane	7.795	56	2682	Below Cal	#	27
36) 1,1-Dichloropropene	7.789	75	9695	6.245	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12366	6.731	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	53556	39.479	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53556	86.715	ug/l #	10

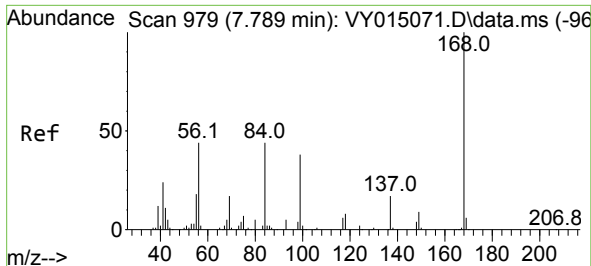
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 14 12:43:26 2023
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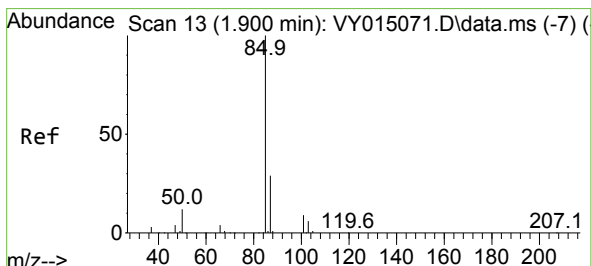
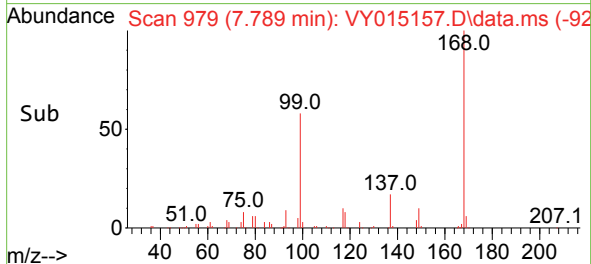
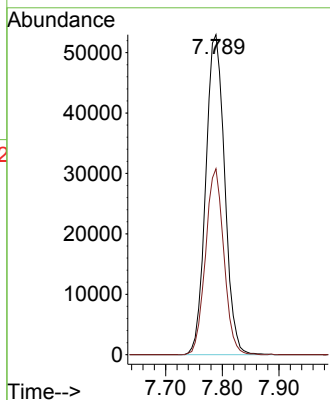
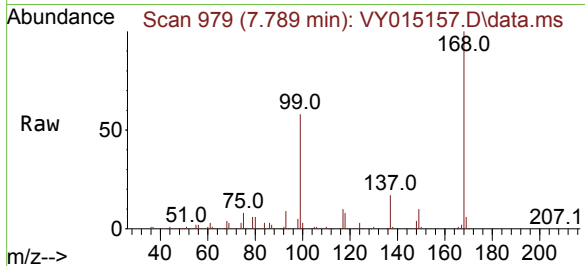




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

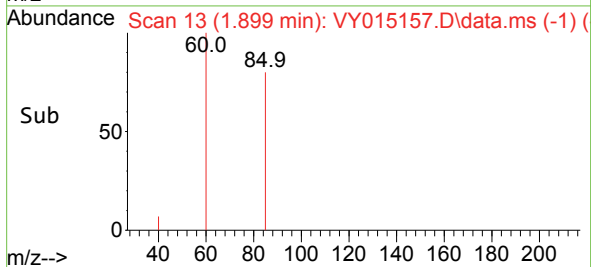
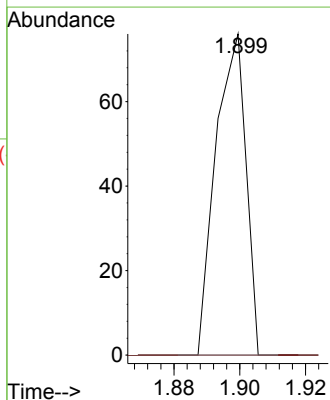
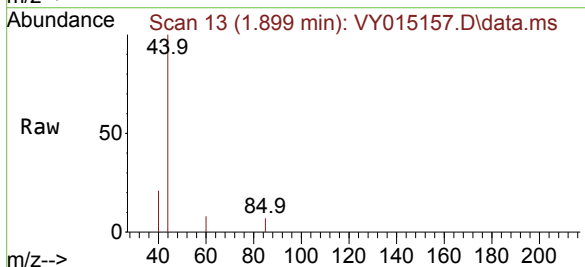
Instrument :
MSVOA_Y
ClientSampleId :

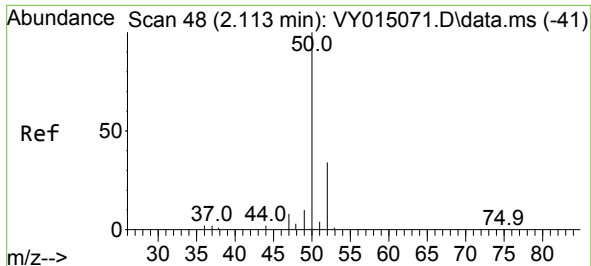
Tgt Ion:168 Resp: 122645
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.001 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

Tgt Ion: 85 Resp: 48
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

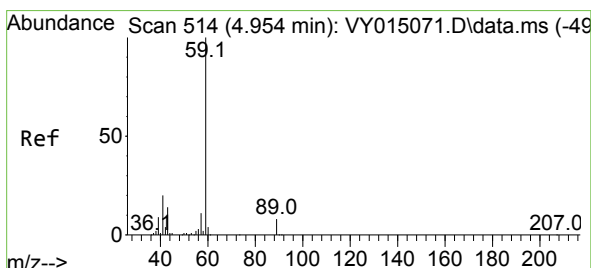
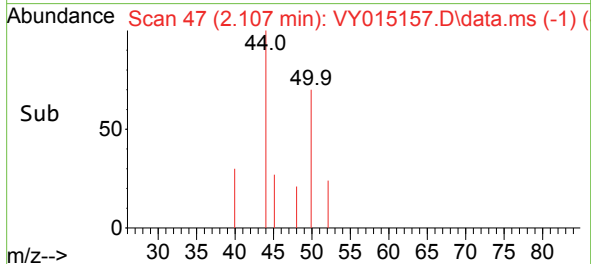
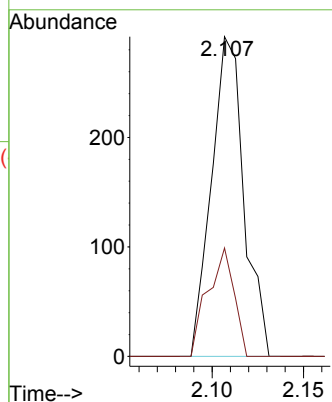
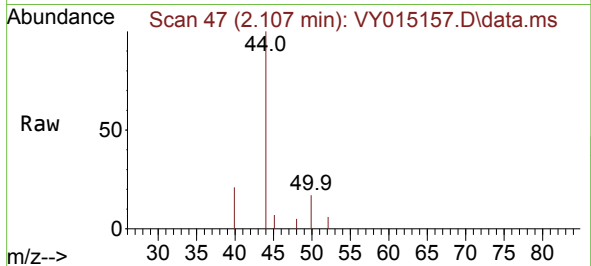




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

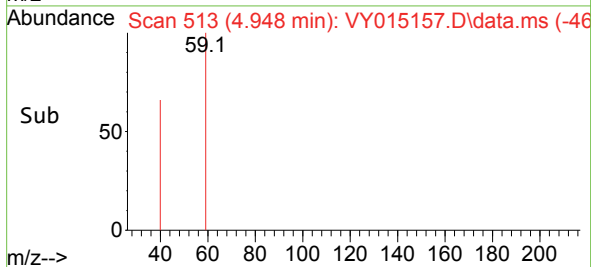
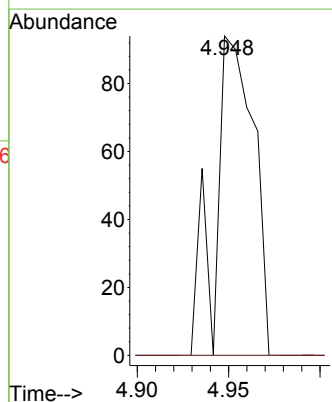
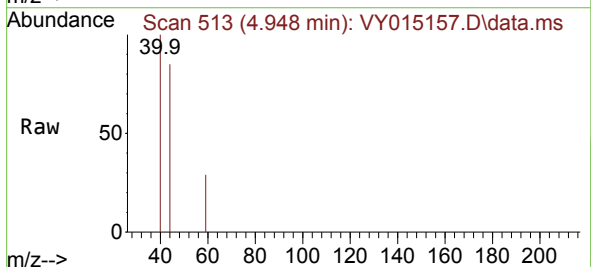
Instrument :
MSVOA_Y
ClientSampleId :

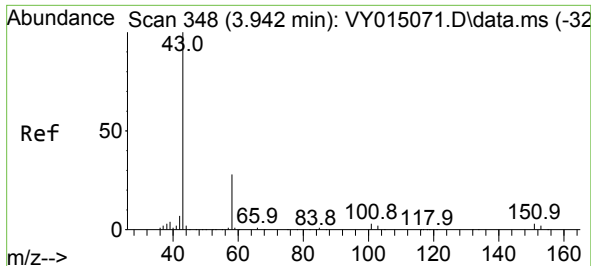
Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 33.9 25.4 38.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.979 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015157.D

Acq: 16 Aug 2023 18:04

Instrument :

MSVOA_Y

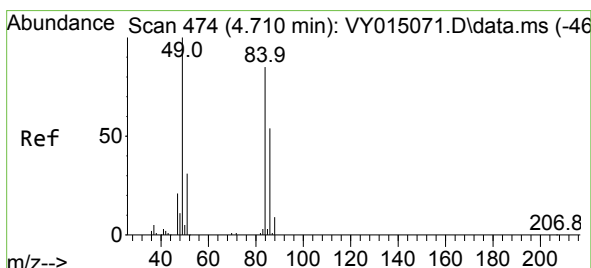
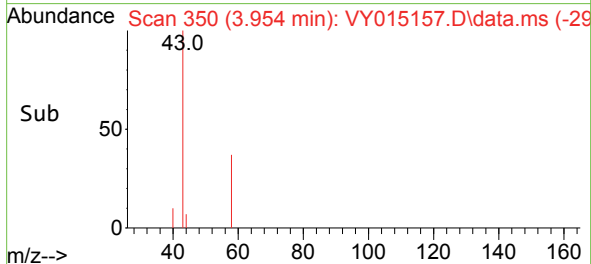
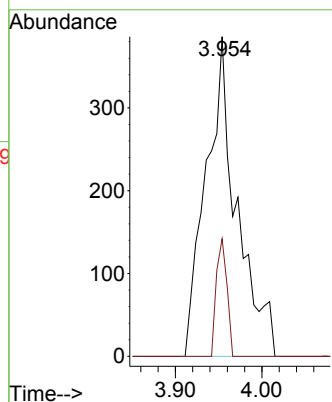
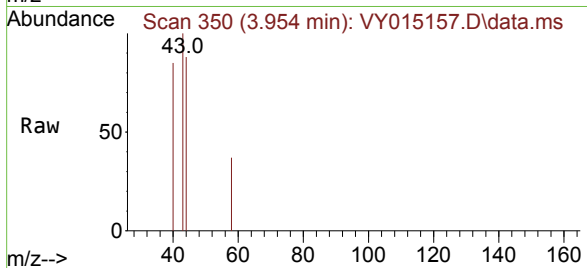
ClientSampleId :

Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

58 36.8 22.7 34.1#



#20

Methylene Chloride

Concen: 12.589 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY015157.D

Acq: 16 Aug 2023 18:04

Tgt Ion: 84 Resp: 18245

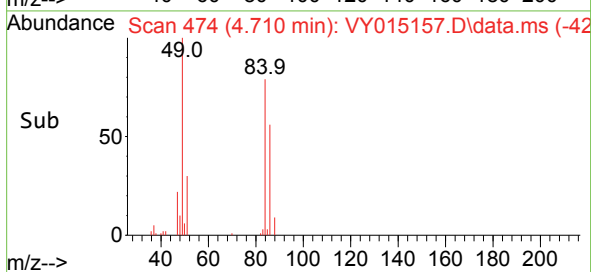
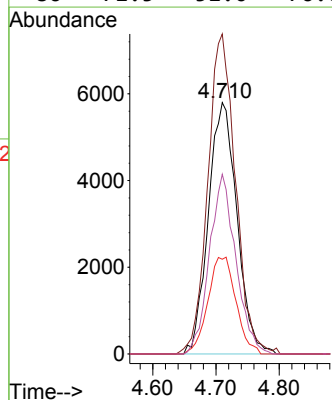
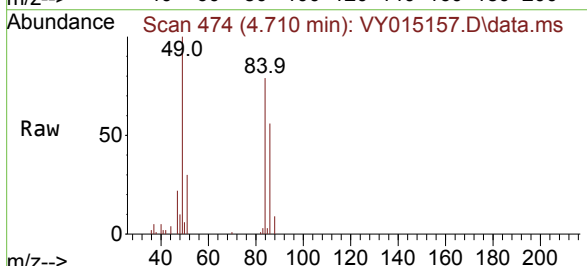
Ion Ratio Lower Upper

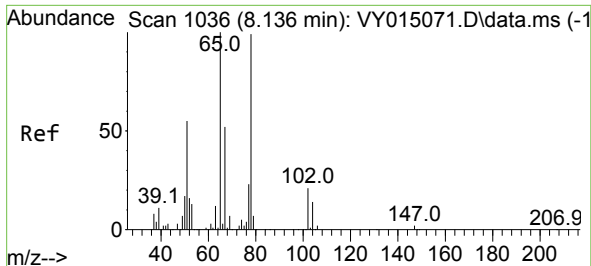
84 100

49 127.3 106.9 160.3

51 37.7 33.2 49.8

86 71.5 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 56.909 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

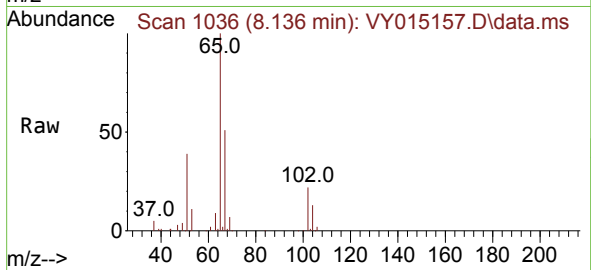
Lab File: VY015157.D

Acq: 16 Aug 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

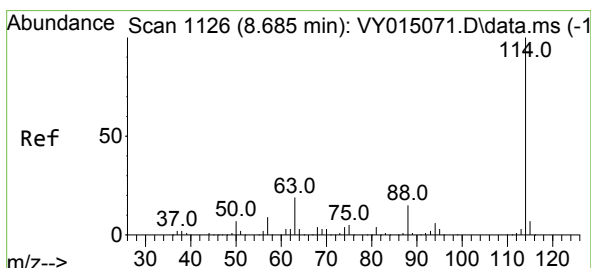
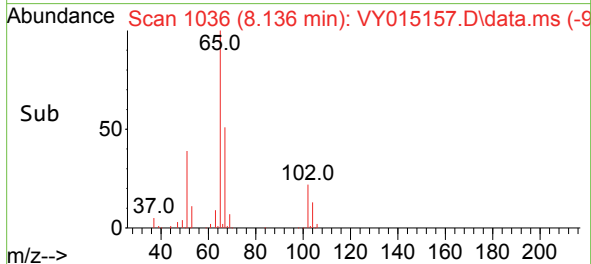
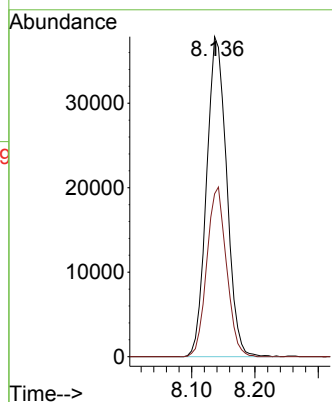


Tgt Ion: 65 Resp: 83784

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015157.D

Acq: 16 Aug 2023 18:04

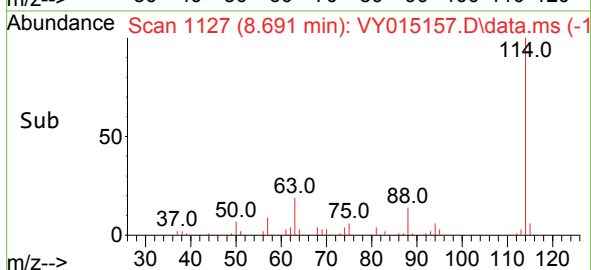
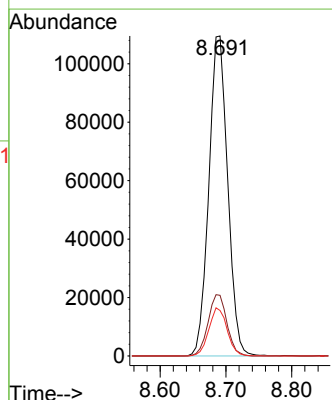
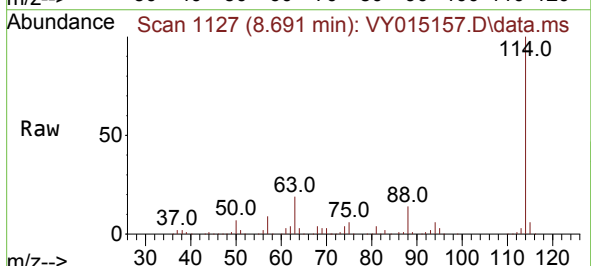
Tgt Ion: 114 Resp: 218121

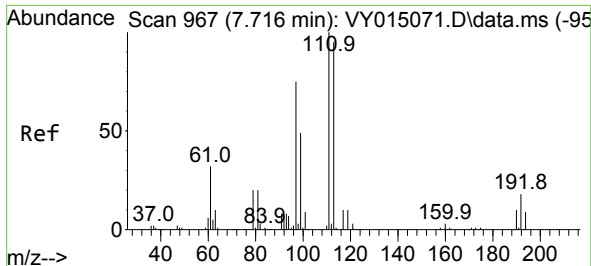
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.2 0.0 30.6

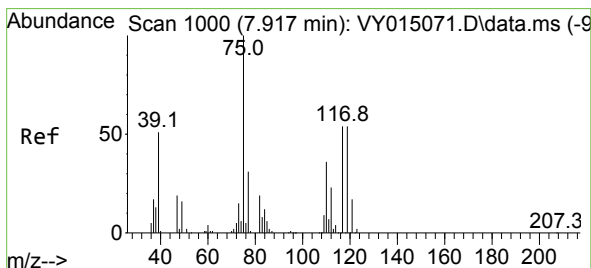
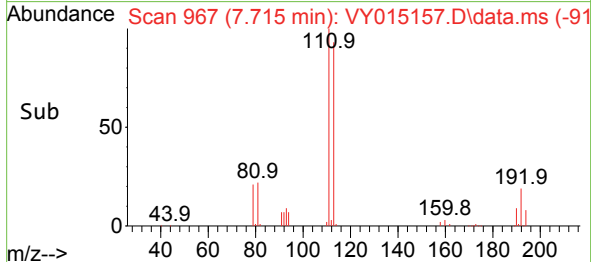
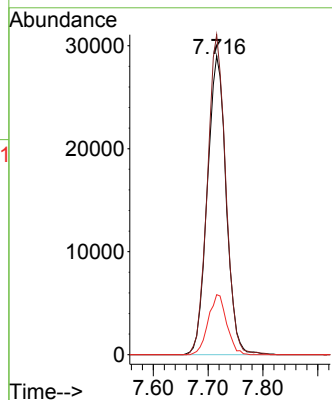
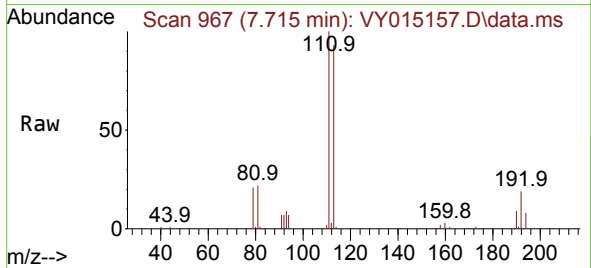




#35
Dibromofluoromethane
Concen: 49.271 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

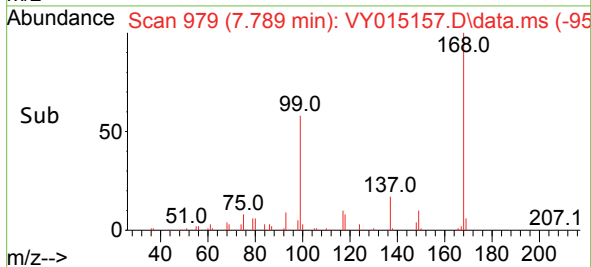
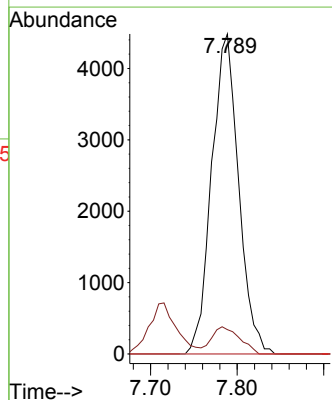
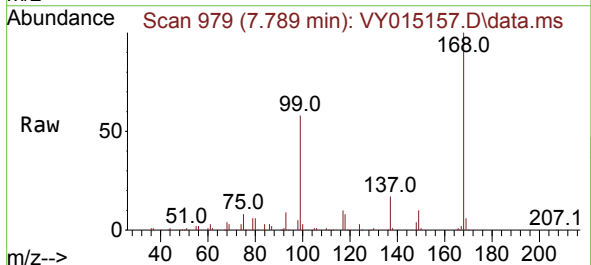
Instrument :
MSVOA_Y
ClientSampleId :

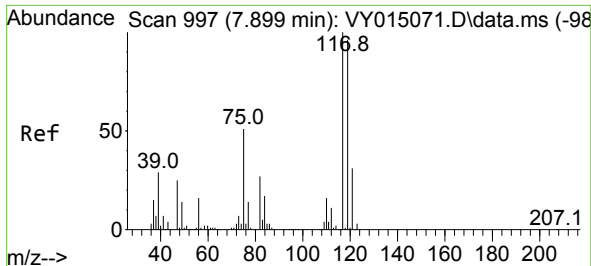
Tgt Ion:113 Resp: 69140
Ion Ratio Lower Upper
113 100
111 104.1 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.245 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

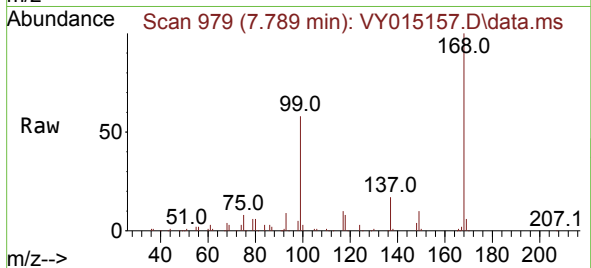
Tgt Ion: 75 Resp: 9695
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



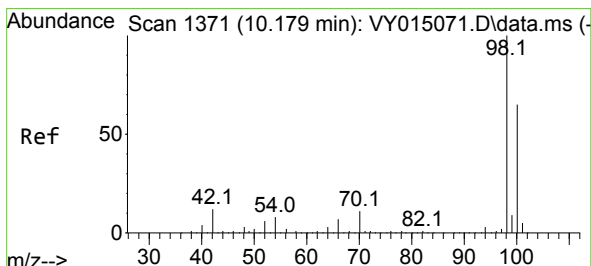
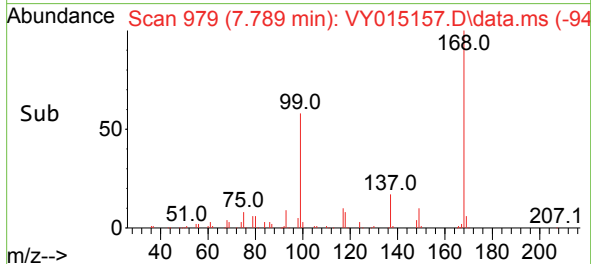
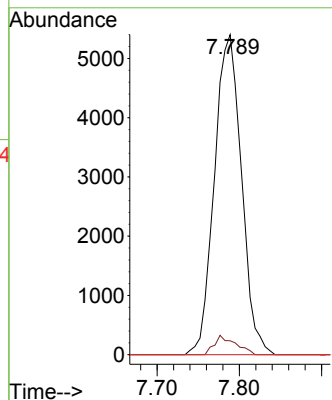


#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

Instrument :
MSVOA_Y
ClientSampleId :

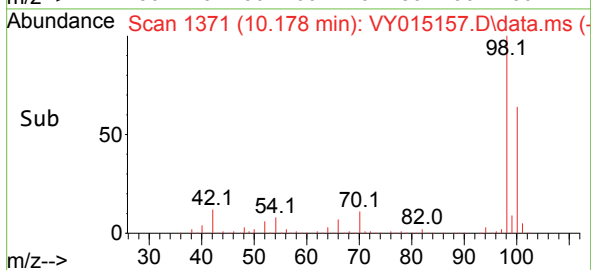
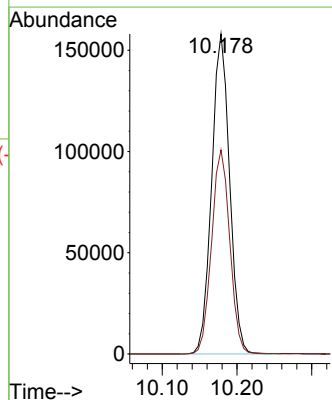
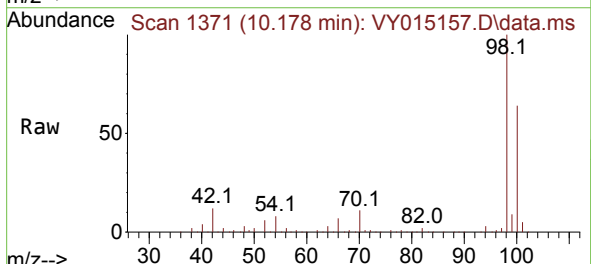


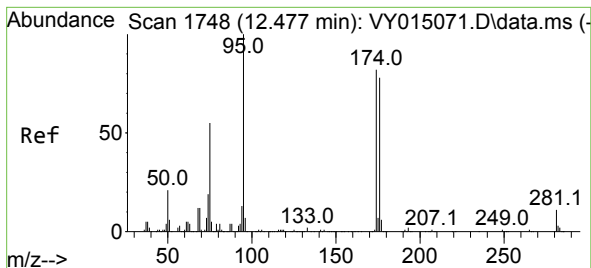
Tgt Ion:117 Resp: 12366
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.571 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

Tgt Ion: 98 Resp: 264165
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1

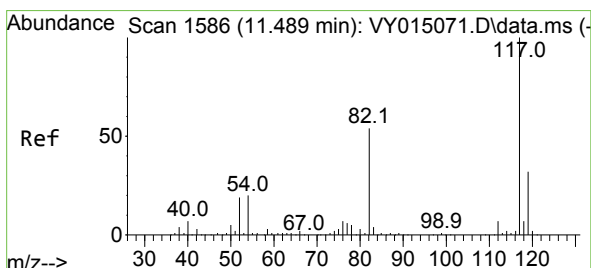
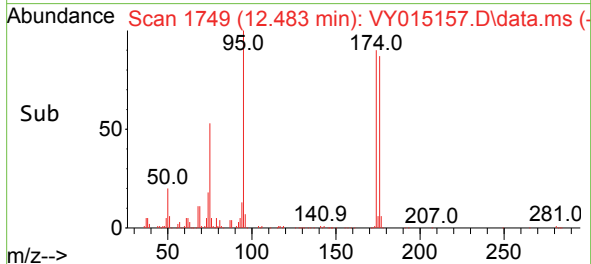
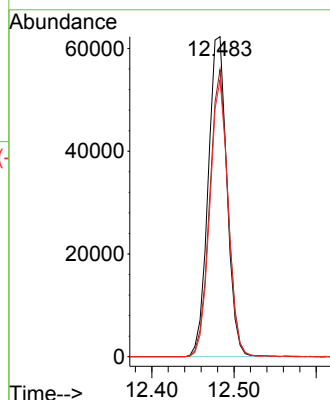
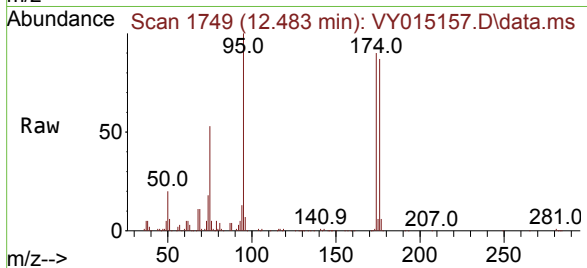




#62
4-Bromofluorobenzene
Concen: 51.725 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

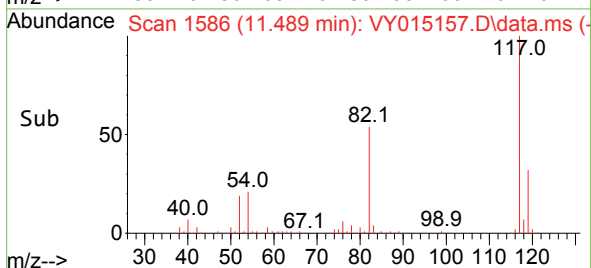
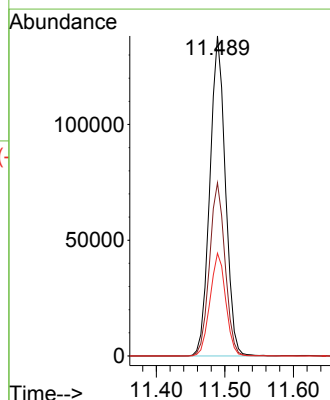
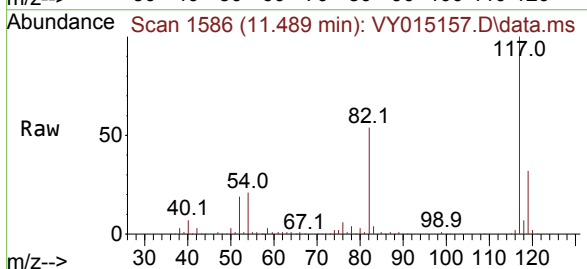
Instrument :
MSVOA_Y
ClientSampleId :

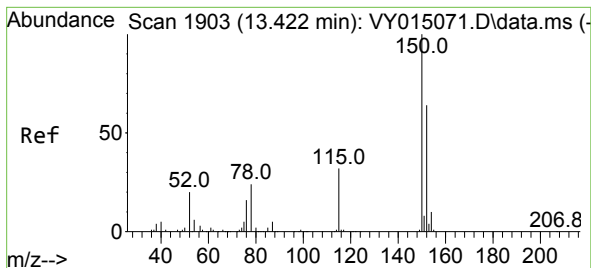
Tgt Ion: 95 Resp: 98688
Ion Ratio Lower Upper
95 100
174 87.9 0.0 178.2
176 84.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015157.D
Acq: 16 Aug 2023 18:04

Tgt Ion: 117 Resp: 218059
Ion Ratio Lower Upper
117 100
82 54.1 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

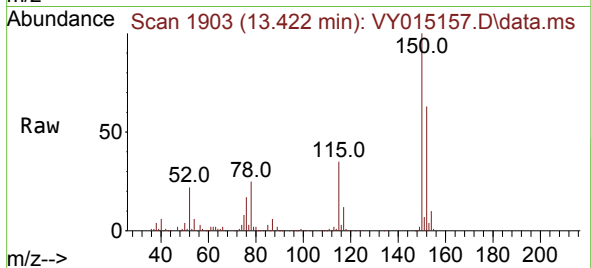
Lab File: VY015157.D

Acq: 16 Aug 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :



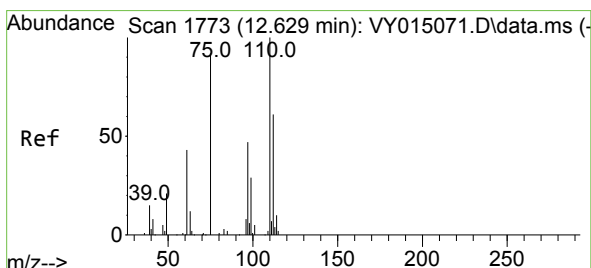
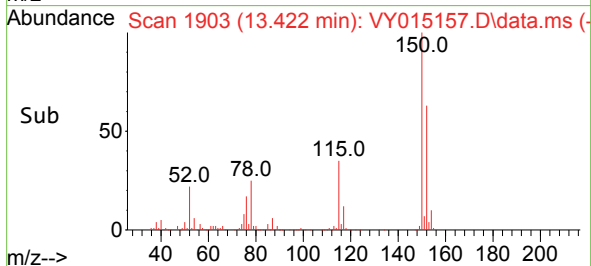
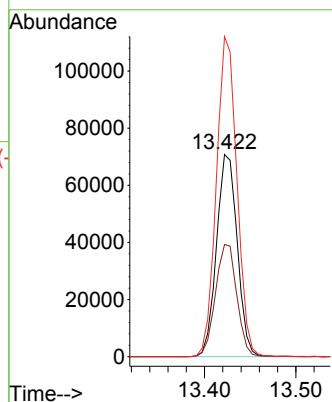
Tgt Ion:152 Resp: 111659

Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 157.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.479 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015157.D

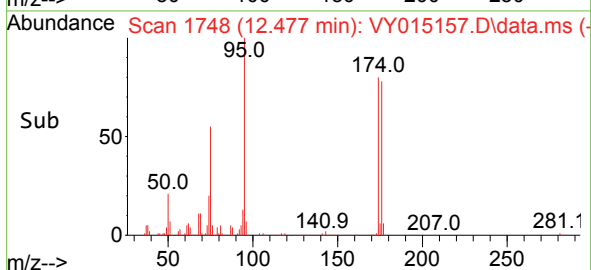
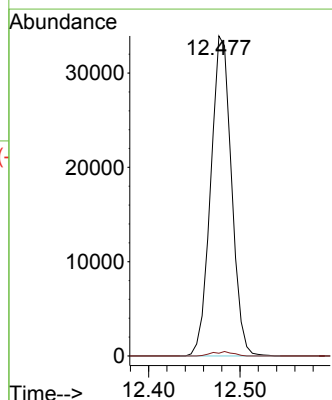
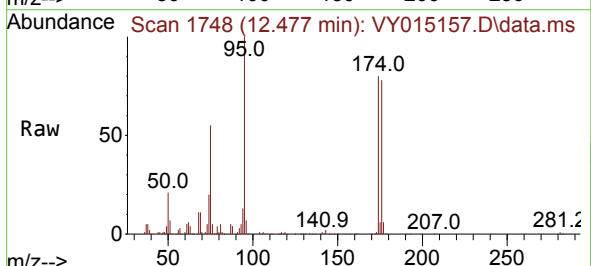
Acq: 16 Aug 2023 18:04

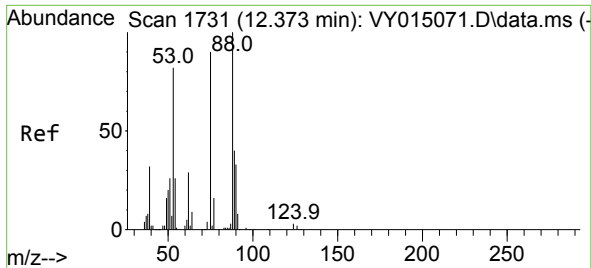
Tgt Ion: 75 Resp: 53556

Ion Ratio Lower Upper

75 100

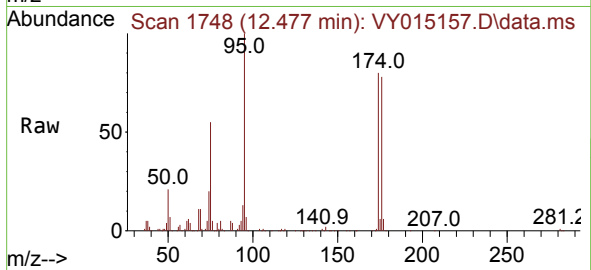
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.715 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015157.D
 Acq: 16 Aug 2023 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :



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

