

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015252.D
 Acq On : 22 Aug 2023 18:13
 Operator : SY/MD
 Sample : 04091-01
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A

Quant Time: Aug 23 00:51:36 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)

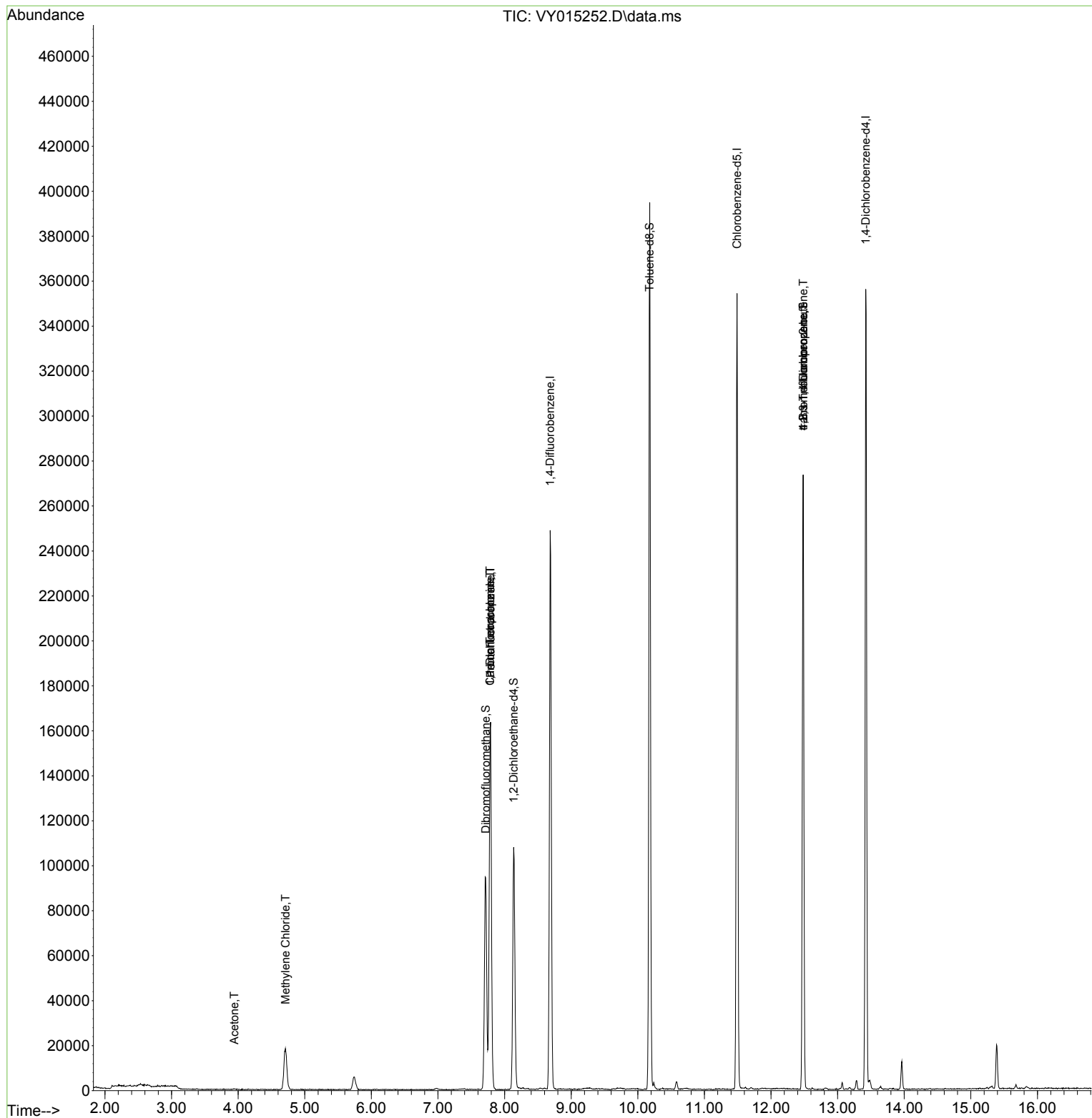
Internal Standards						
1) Pentafluorobenzene	7.789	168	127412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	209877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84078	54.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.940%	
35) Dibromofluoromethane	7.716	113	67242	49.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.600%	
50) Toluene-d8	10.179	98	250115	49.762	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.483	95	81439	44.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	22	Below Cal	#	43
3) Chloromethane	2.107	50	245	Below Cal	#	83
5) Bromomethane	2.649	94	118	Below Cal	#	69
11) Tert butyl alcohol	4.936	59	80	Below Cal	#	89
16) Acetone	3.942	43	509	1.019	ug/l #	87
20) Methylene Chloride	4.710	84	14182	8.229	ug/l	89
31) Cyclohexane	7.789	56	2721	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10361	6.936	ug/l #	49
38) Carbon Tetrachloride	7.783	117	12599	7.127	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	44600	40.893	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44600	89.820	ug/l #	11

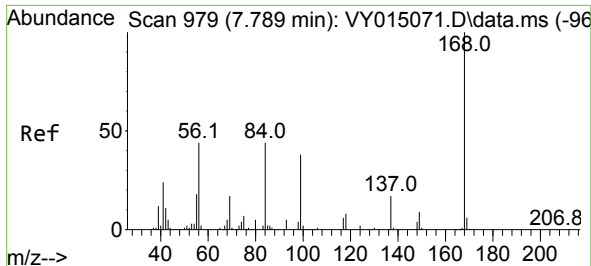
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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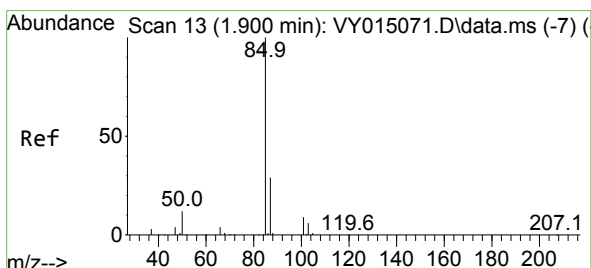
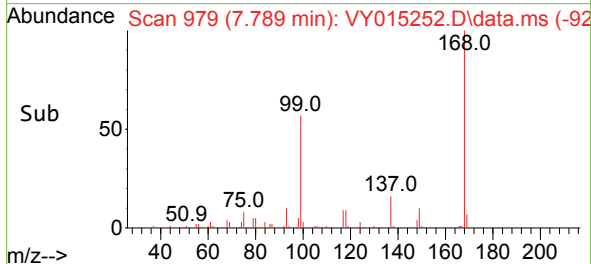
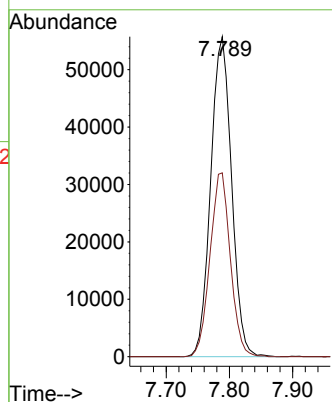
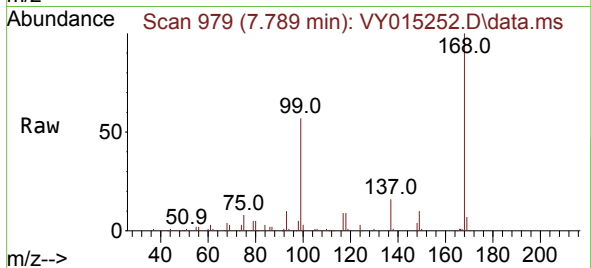




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

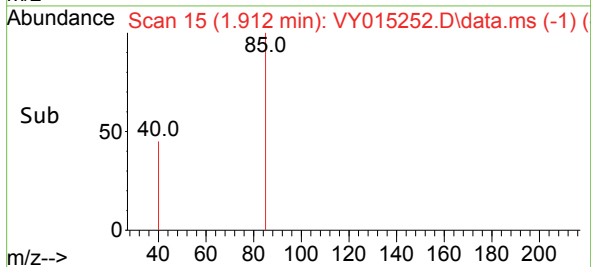
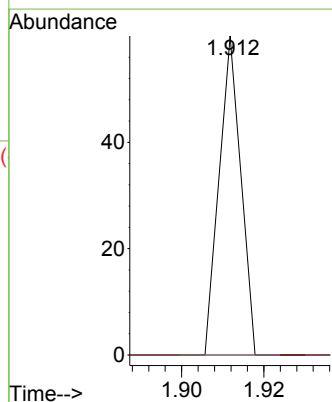
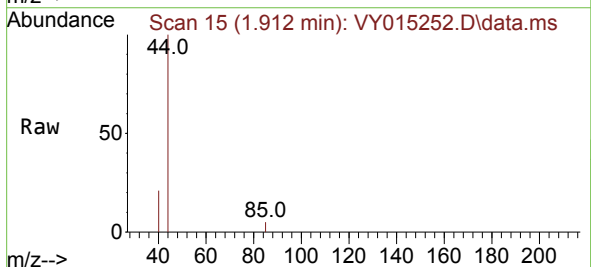
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

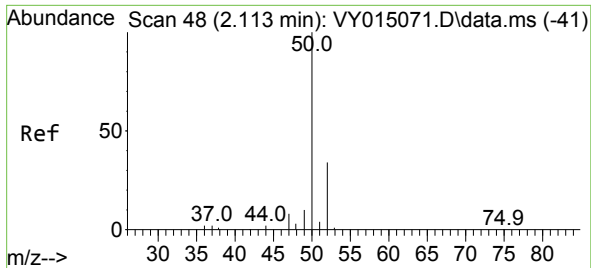
Tgt Ion:168 Resp: 127412
Ion Ratio Lower Upper
168 100
99 57.5 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

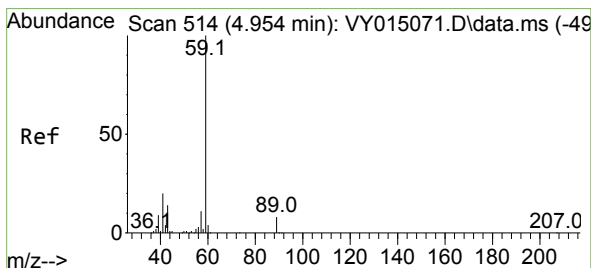
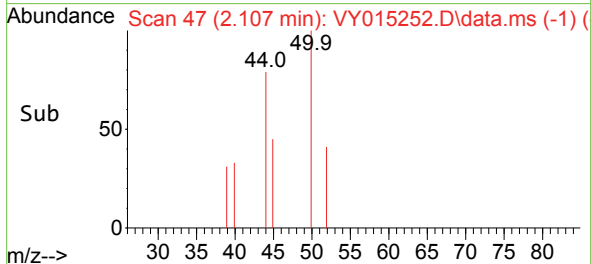
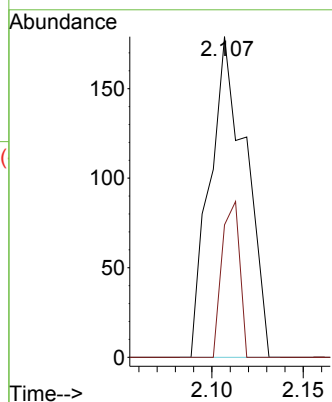
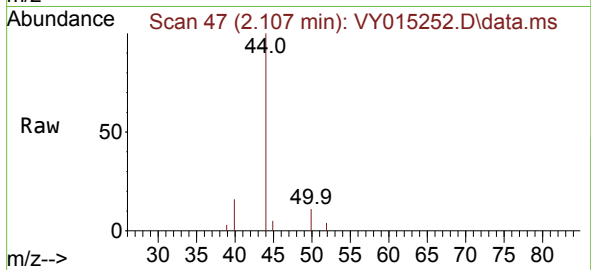




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

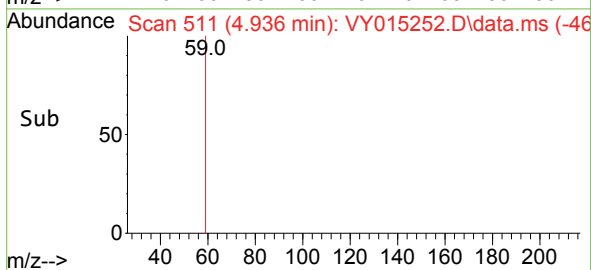
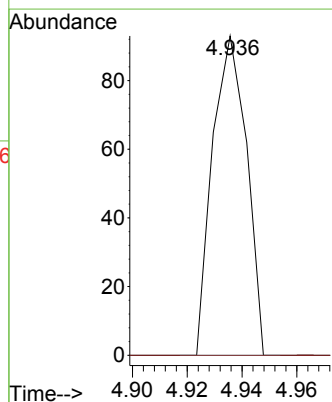
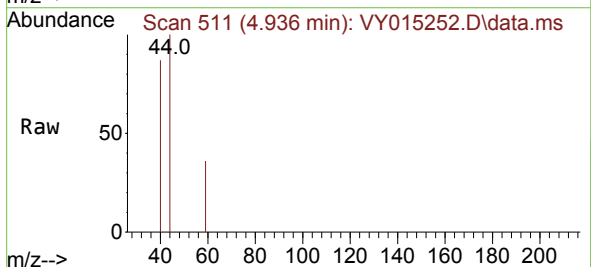
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

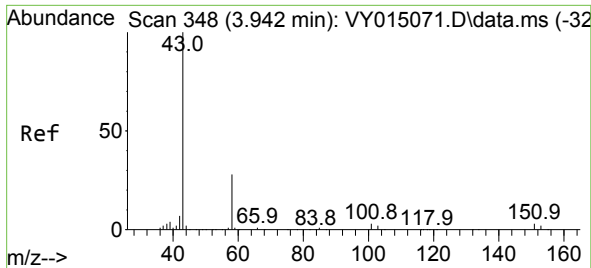
Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 41.3 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.019 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY015252.D

Acq: 22 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

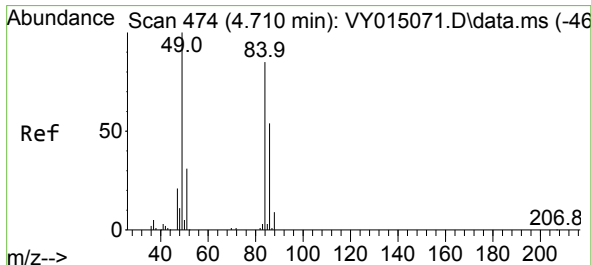
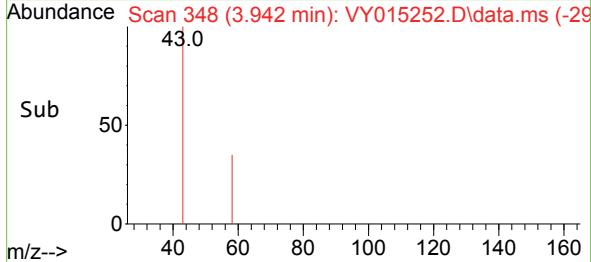
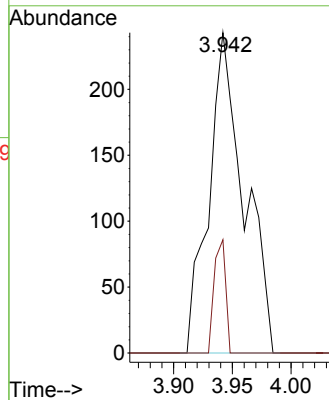
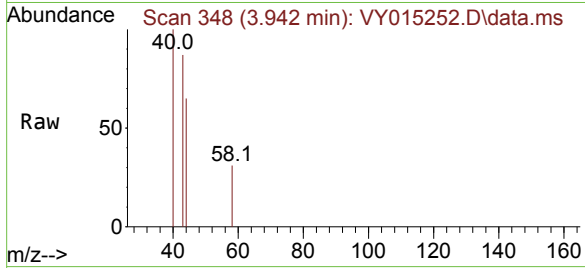
TP-A

Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

58 35.4 22.7 34.1#



#20

Methylene Chloride

Concen: 8.229 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015252.D

Acq: 22 Aug 2023 18:13

Tgt Ion: 84 Resp: 14182

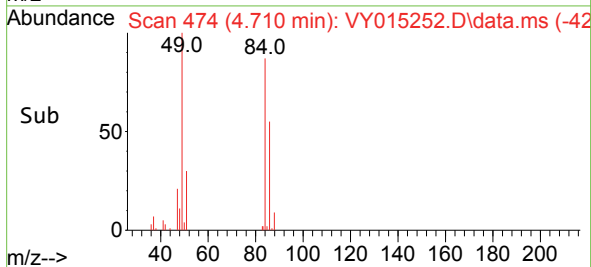
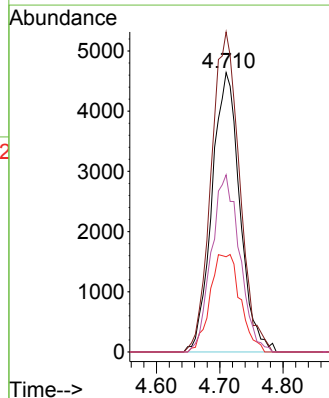
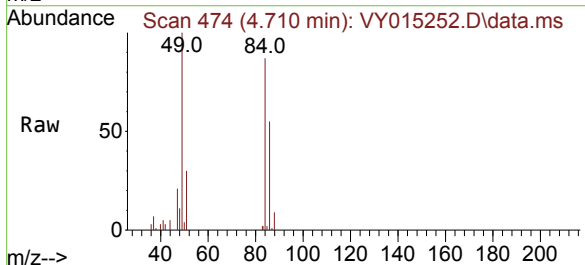
Ion Ratio Lower Upper

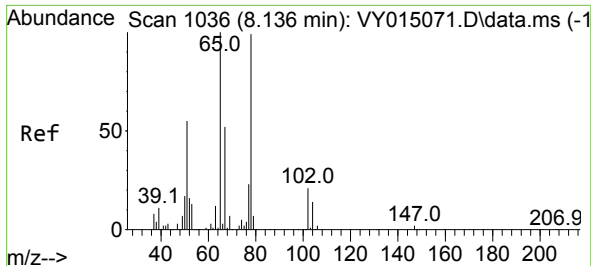
84 100

49 114.5 106.9 160.3

51 34.1 33.2 49.8

86 63.4 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 54.972 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015252.D

Acq: 22 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

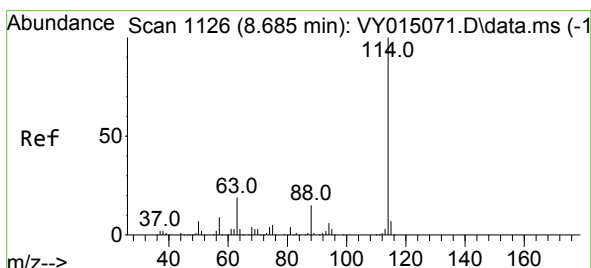
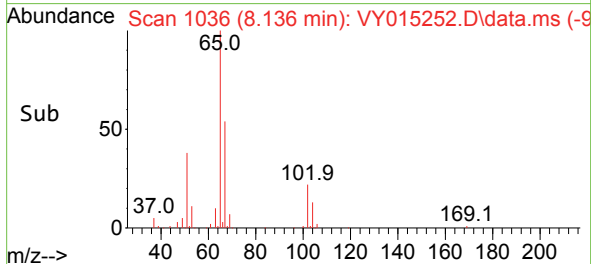
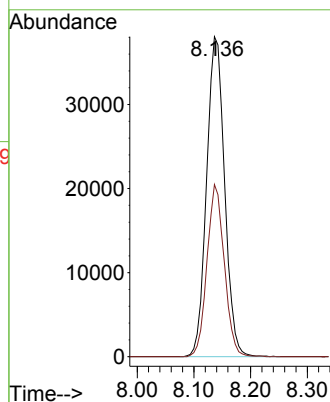
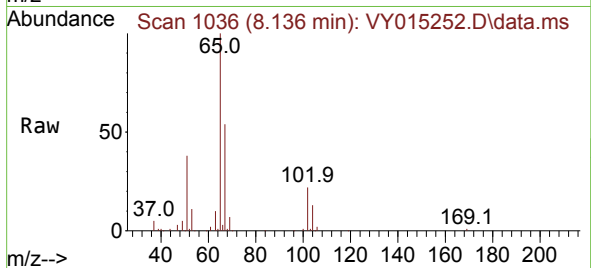
TP-A

Tgt Ion: 65 Resp: 84078

Ion Ratio Lower Upper

65 100

67 51.7 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: VY015252.D

Acq: 22 Aug 2023 18:13

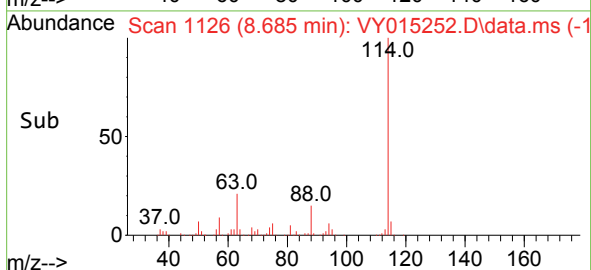
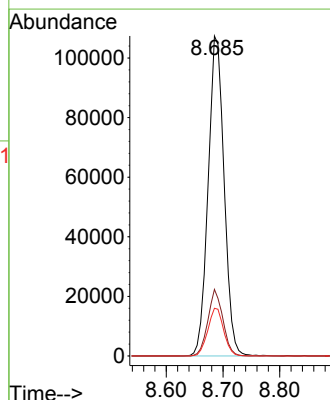
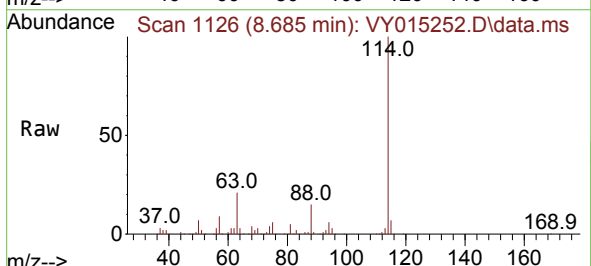
Tgt Ion: 114 Resp: 209877

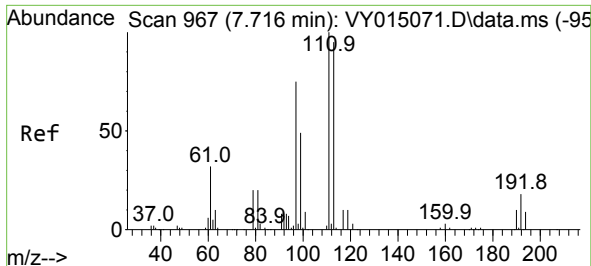
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.801 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY015252.D

Acq: 22 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

TP-A

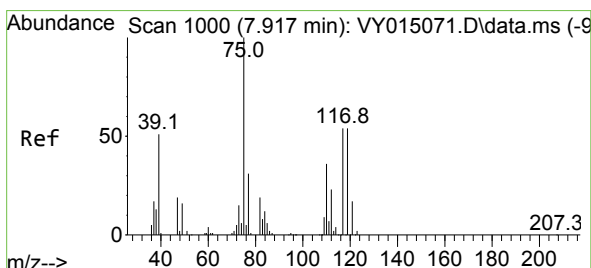
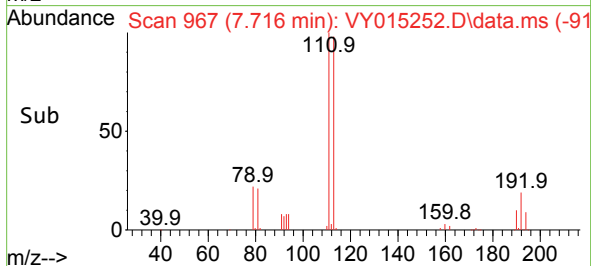
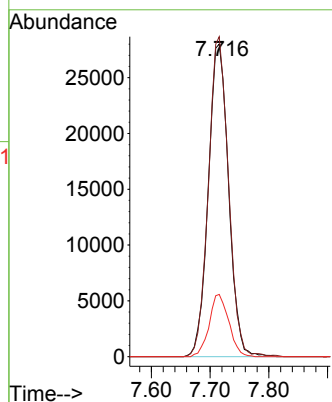
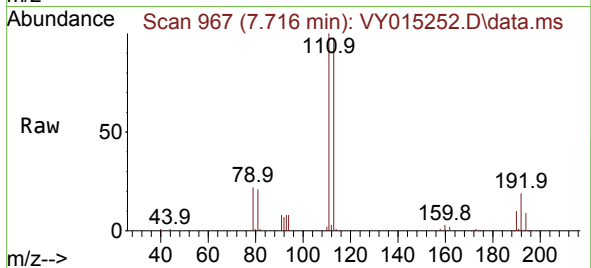
Tgt Ion:113 Resp: 67242

Ion Ratio Lower Upper

113 100

111 101.1 81.3 121.9

192 19.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 6.936 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY015252.D

Acq: 22 Aug 2023 18:13

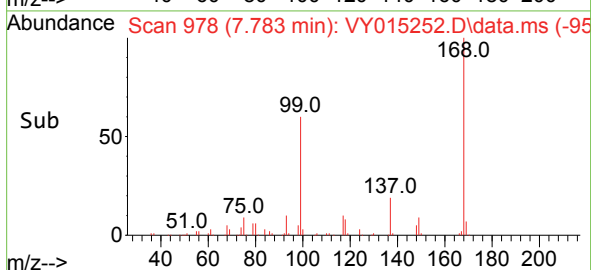
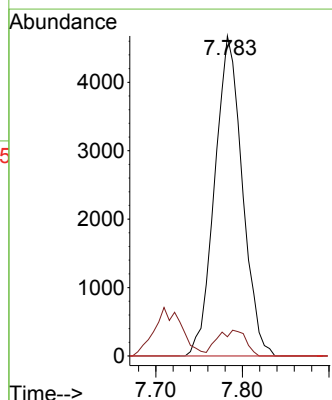
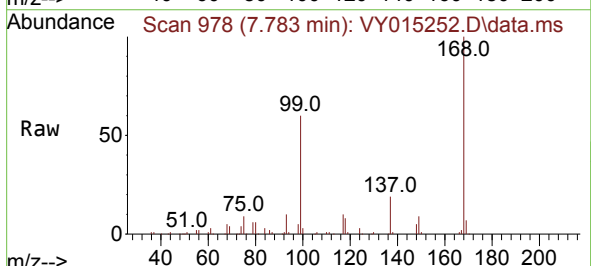
Tgt Ion: 75 Resp: 10361

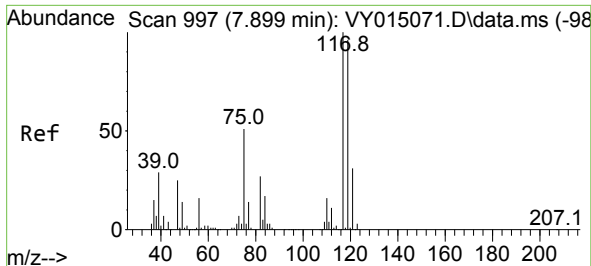
Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.5#

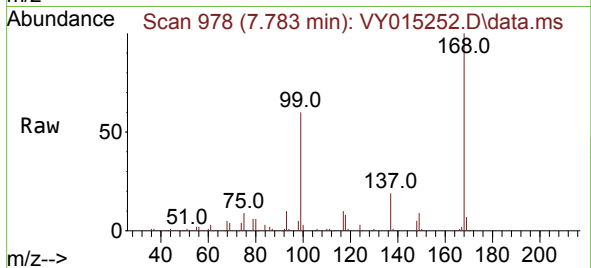
77 0.0 24.4 36.6#



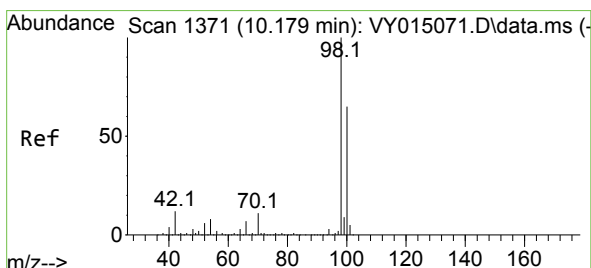
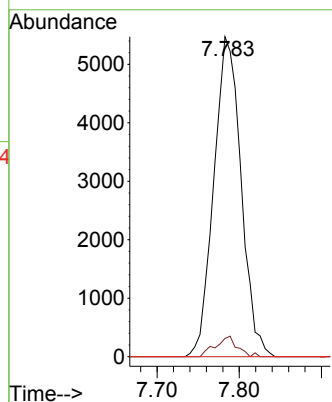
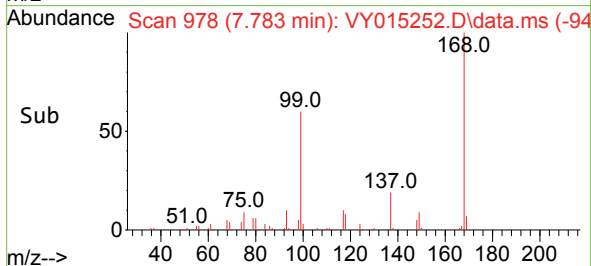


#38
Carbon Tetrachloride
Concen: 7.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
TP-A

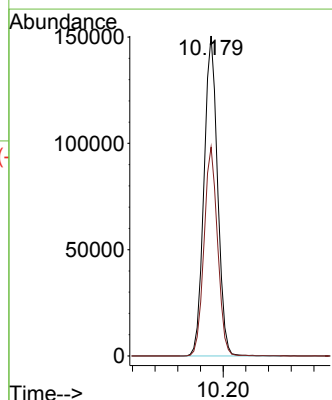
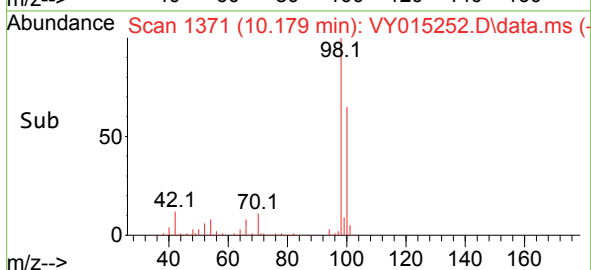
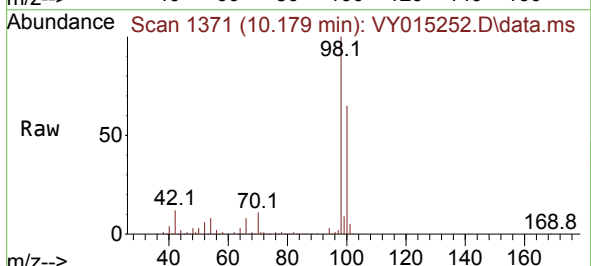


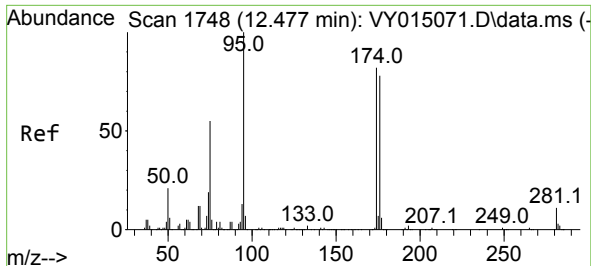
Tgt Ion:117 Resp: 12599
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.762 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

Tgt Ion: 98 Resp: 250115
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

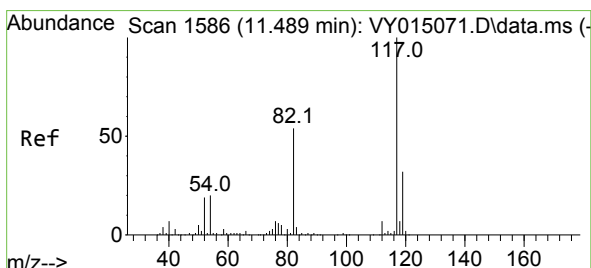
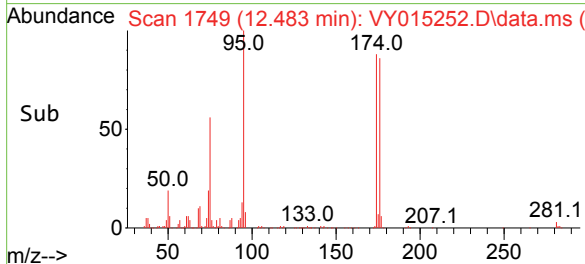
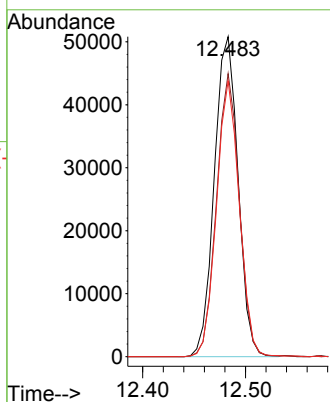
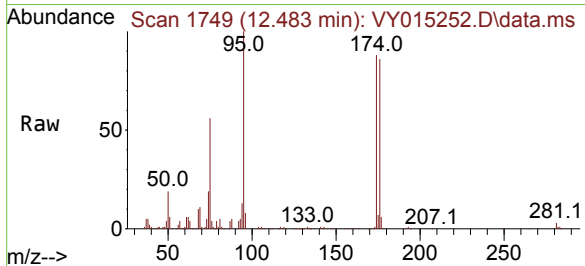




#62
4-Bromofluorobenzene
Concen: 44.361 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

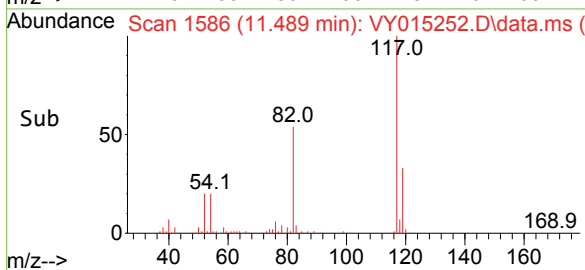
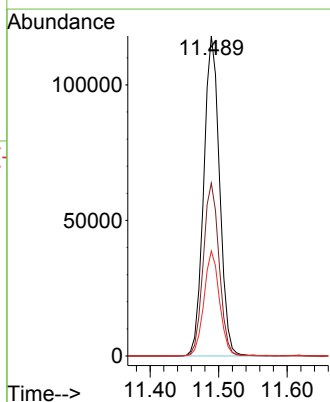
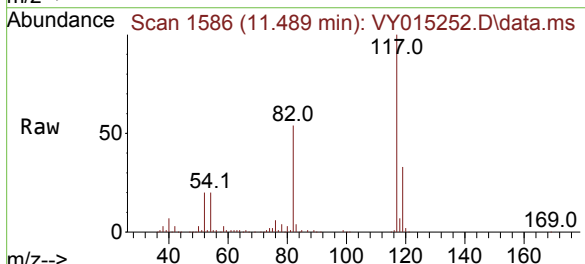
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

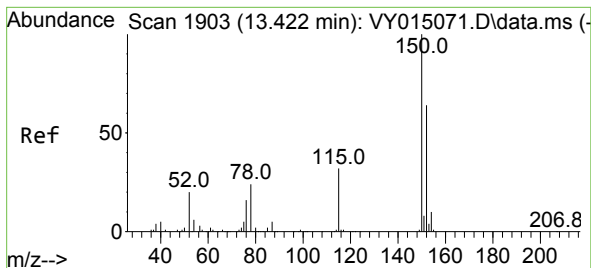
Tgt Ion: 95 Resp: 81439
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

Tgt Ion: 117 Resp: 190227
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.7 26.3 39.5

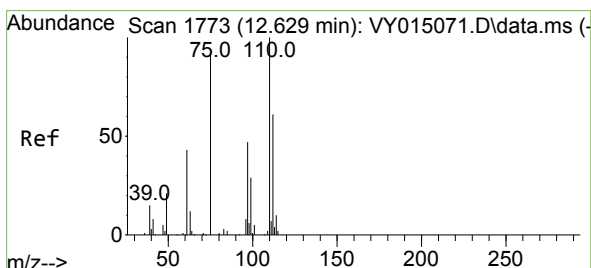
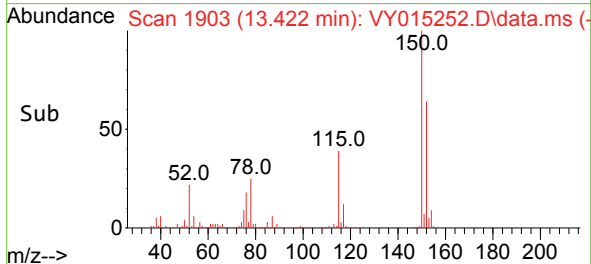
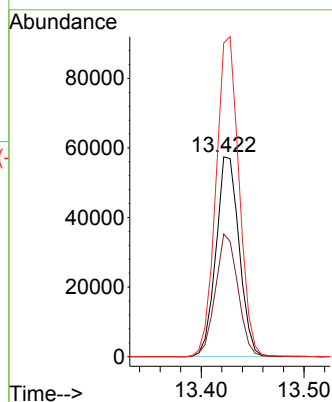
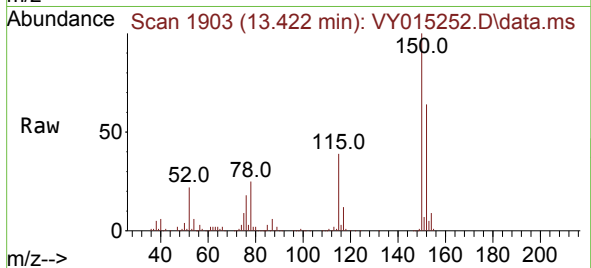




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

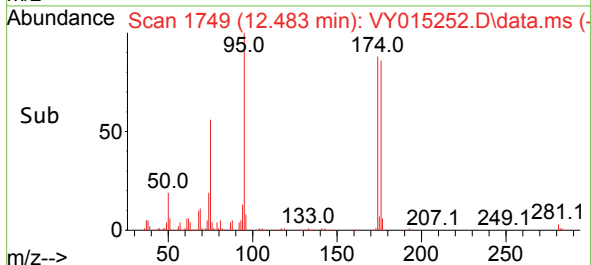
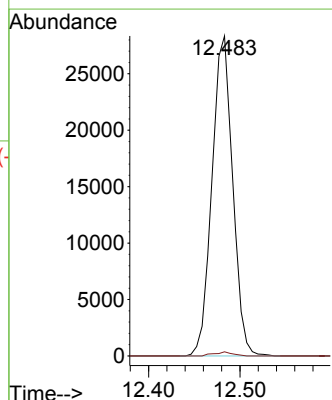
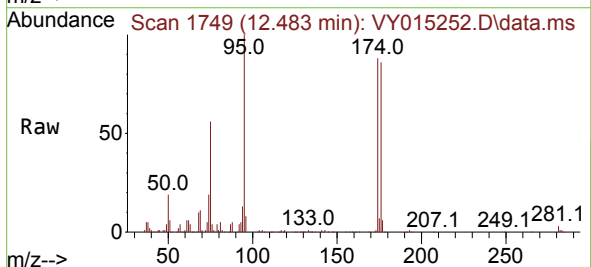
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

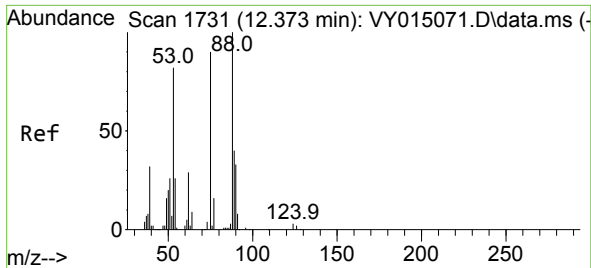
Tgt Ion:152 Resp: 89772
Ion Ratio Lower Upper
152 100
115 59.9 28.8 86.5
150 159.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.893 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015252.D
Acq: 22 Aug 2023 18:13

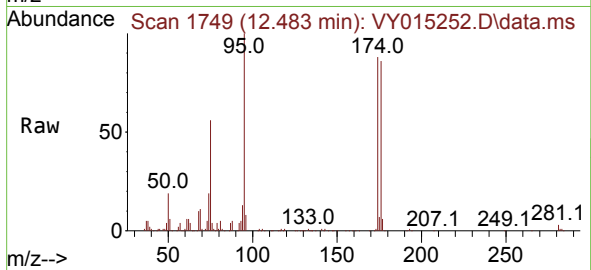
Tgt Ion: 75 Resp: 44600
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.820 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015252.D
 Acq: 22 Aug 2023 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A



Tgt Ion: 75 Resp: 44600
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

