

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015230.D
 Acq On : 21 Aug 2023 20:07
 Operator : SY/MD
 Sample : 04091-10
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:58:59 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)

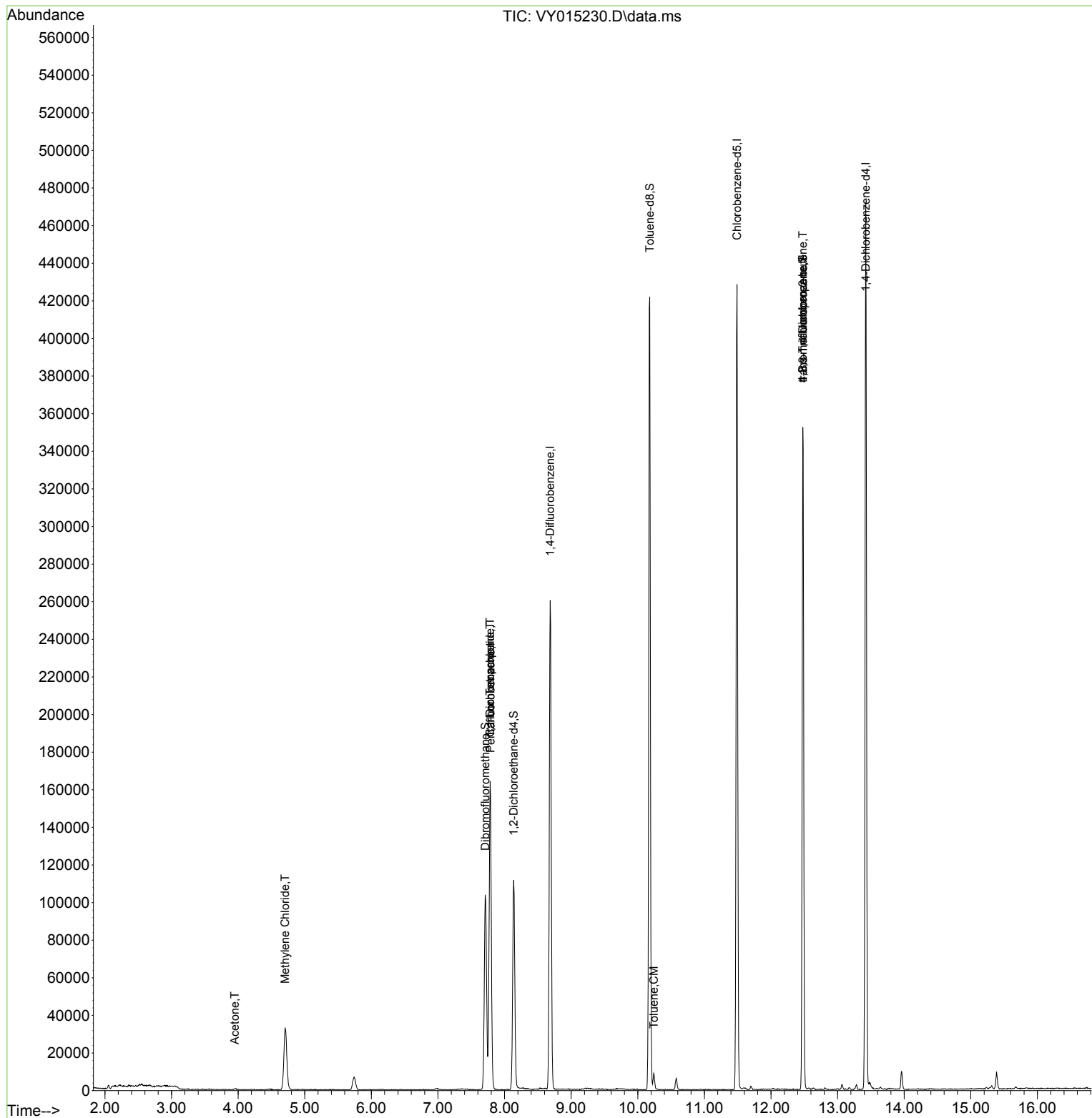
Internal Standards						
1) Pentafluorobenzene	7.789	168	127424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	229571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	232787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	87948	57.497	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.000%
35) Dibromofluoromethane	7.710	113	73642	49.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.179	98	278246	50.609	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.220%
62) 4-Bromofluorobenzene	12.477	95	105962	52.767	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48	Below Cal	#	43
3) Chloromethane	2.107	50	340	Below Cal	#	45
5) Bromomethane	2.650	94	23	Below Cal	#	56
11) Tert butyl alcohol	4.954	59	450	Below Cal	#	89
16) Acetone	3.948	43	873	1.747	ug/l #	85
20) Methylene Chloride	4.704	84	25081	18.185	ug/l #	89
31) Cyclohexane	7.783	56	2621	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9928	6.076	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12359	6.391	ug/l #	17
52) Toluene	10.240	92	3466	1.064	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	58051	40.244	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58051	88.395	ug/l #	11

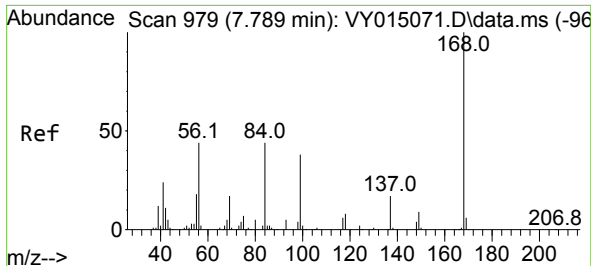
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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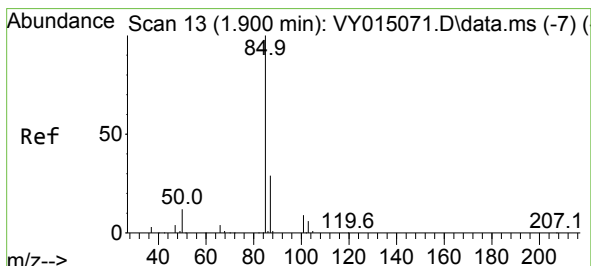
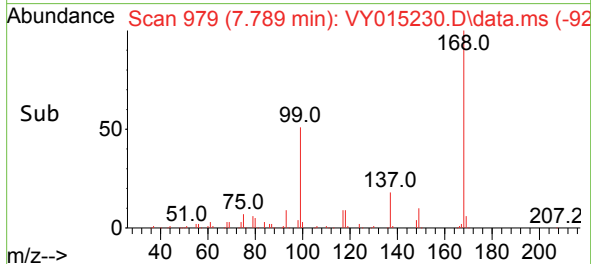
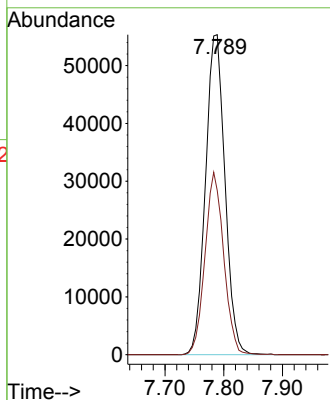
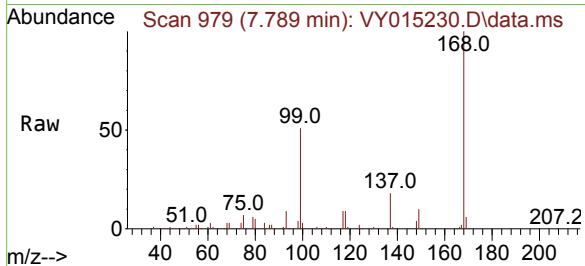




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

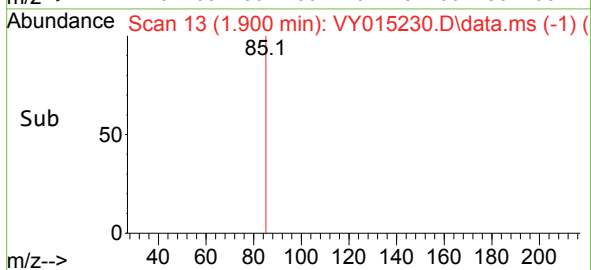
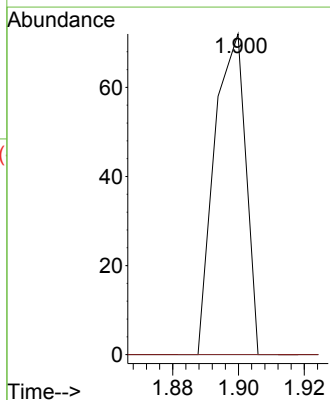
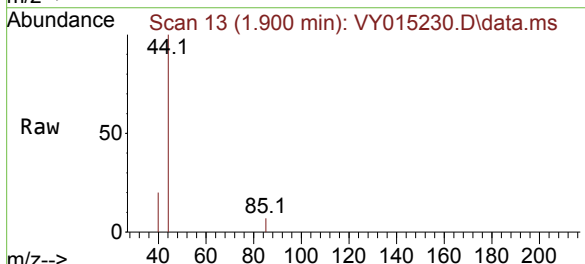
Instrument :
MSVOA_Y
ClientSampleId :

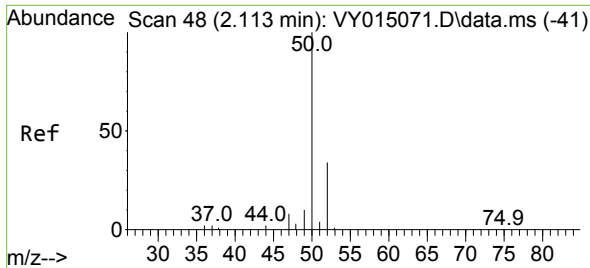
Tgt Ion:168 Resp: 127424
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

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

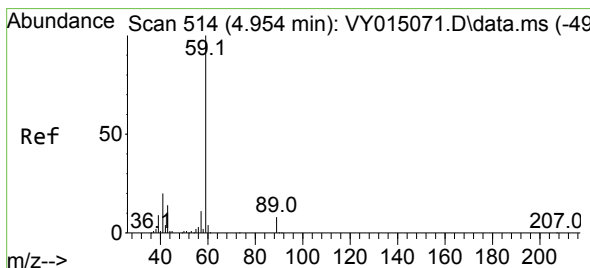
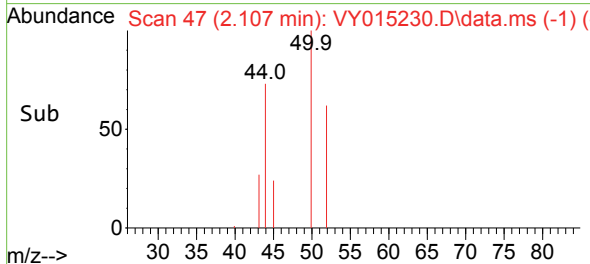
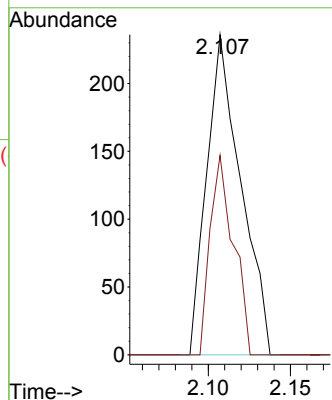
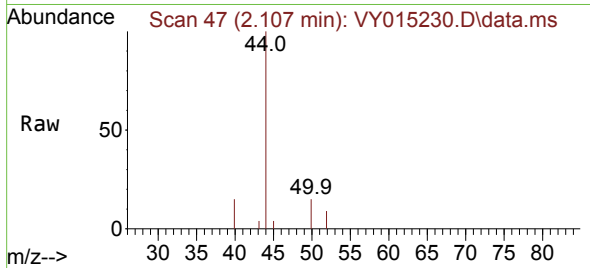




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

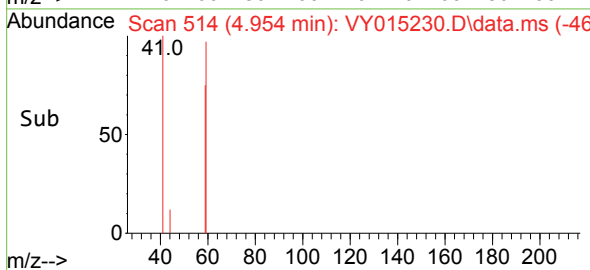
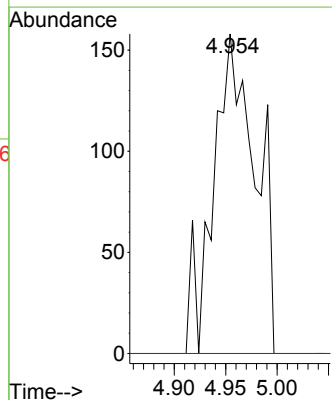
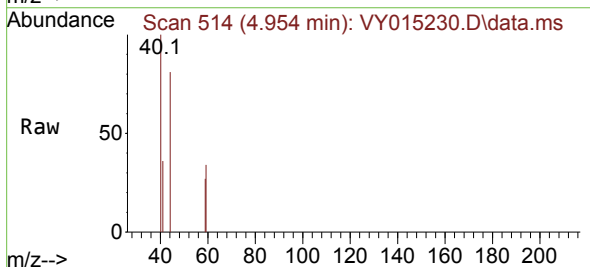
Instrument :
MSVOA_Y
ClientSampleId :

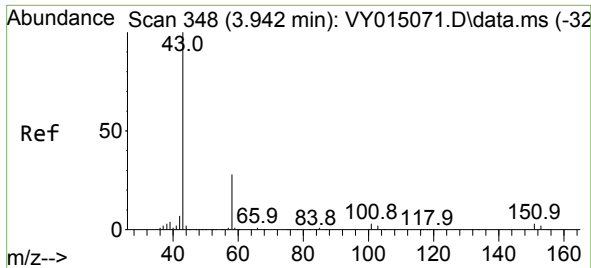
Tgt Ion: 50 Resp: 340
Ion Ratio Lower Upper
50 100
52 62.3 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

Tgt Ion: 59 Resp: 450
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

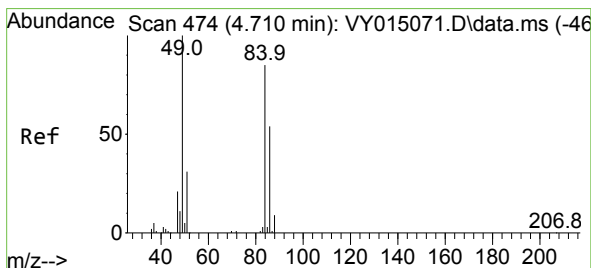
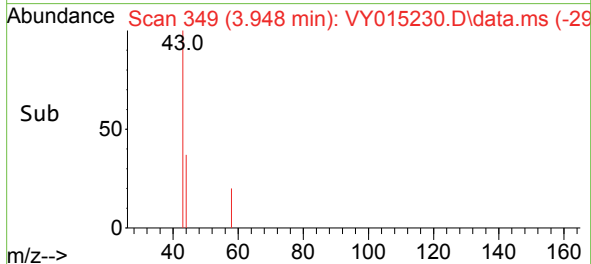
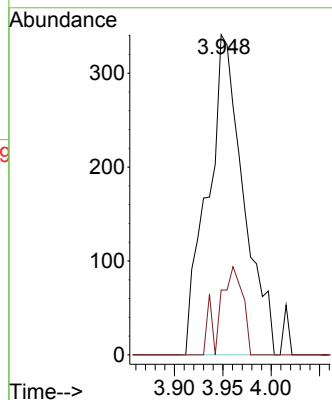
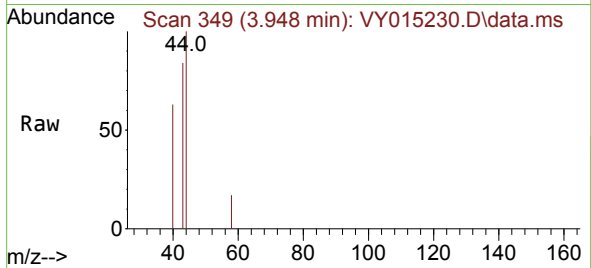




#16
Acetone
Concen: 1.747 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

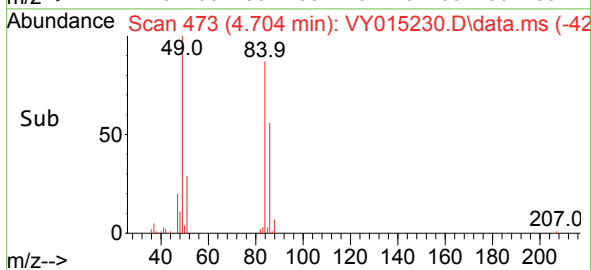
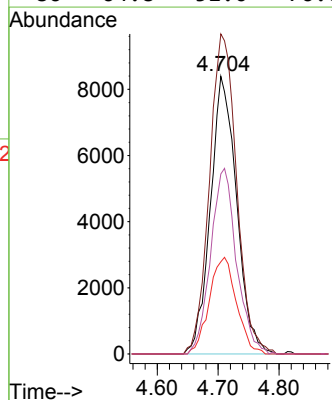
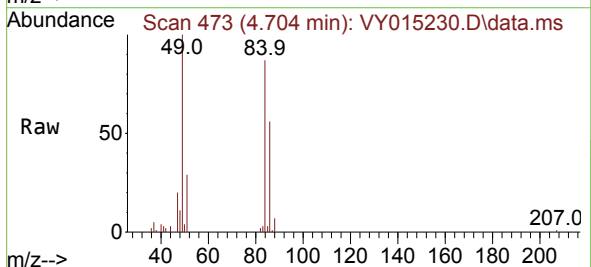
Instrument :
MSVOA_Y
ClientSampleId :

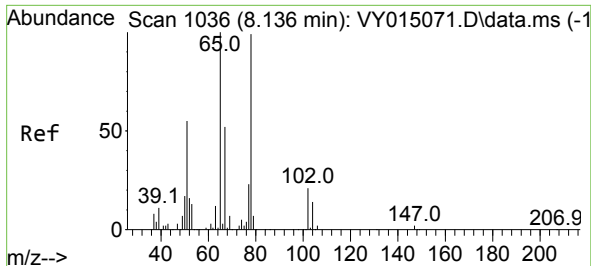
Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
58 20.2 22.7 34.1#



#20
Methylene Chloride
Concen: 18.185 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

Tgt Ion: 84 Resp: 25081
Ion Ratio Lower Upper
84 100
49 115.3 106.9 160.3
51 33.2 33.2 49.8#
86 64.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 57.497 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015230.D

Acq: 21 Aug 2023 20:07

Instrument :

MSVOA_Y

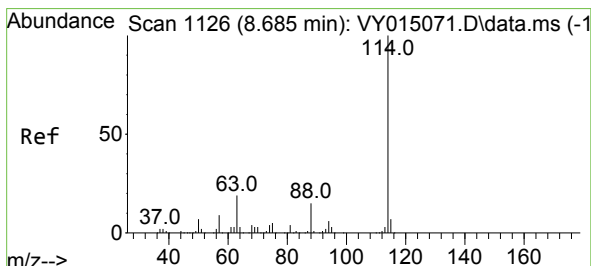
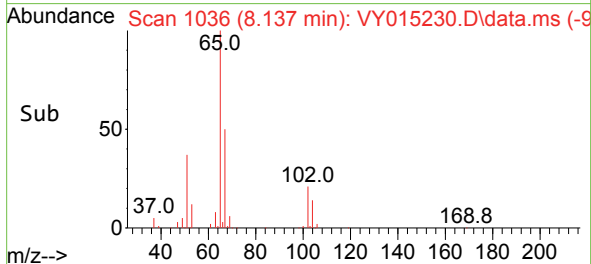
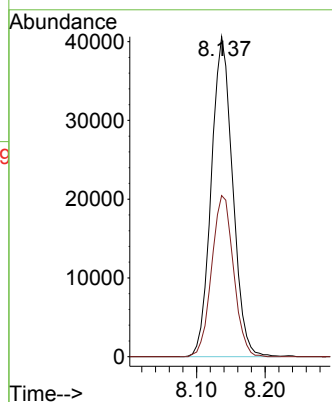
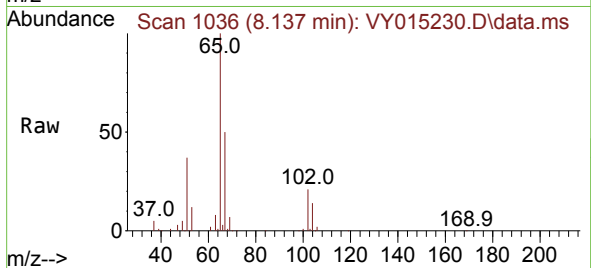
ClientSampleId :

Tgt Ion: 65 Resp: 87948

Ion Ratio Lower Upper

65 100

67 51.4 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: VY015230.D

Acq: 21 Aug 2023 20:07

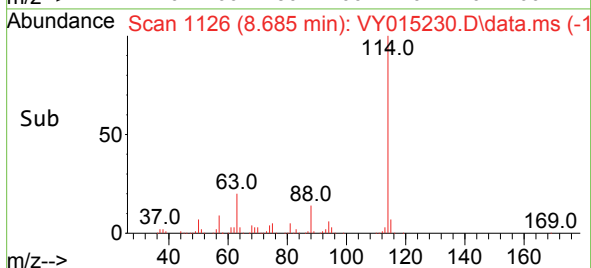
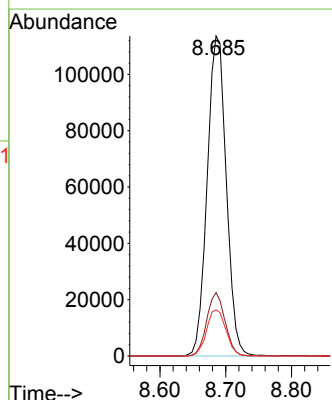
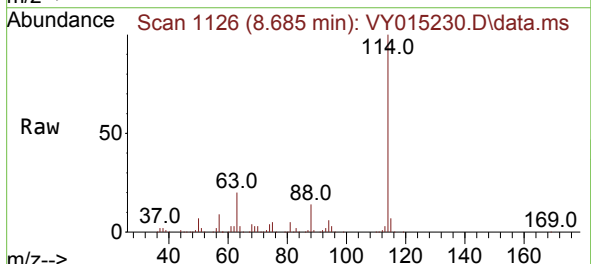
Tgt Ion: 114 Resp: 229571

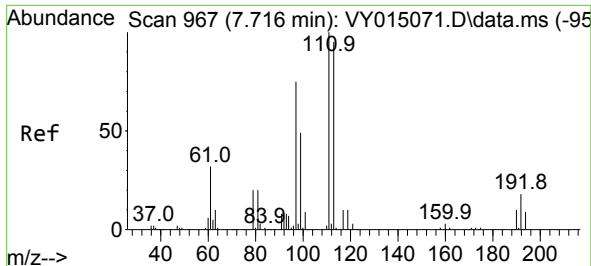
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 14.4 0.0 30.6

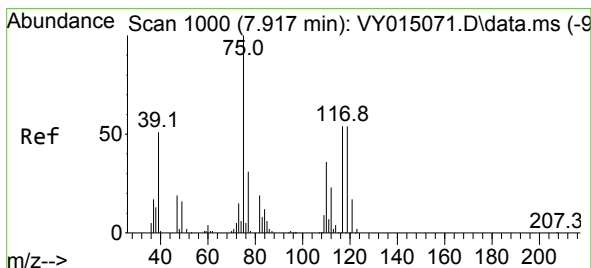
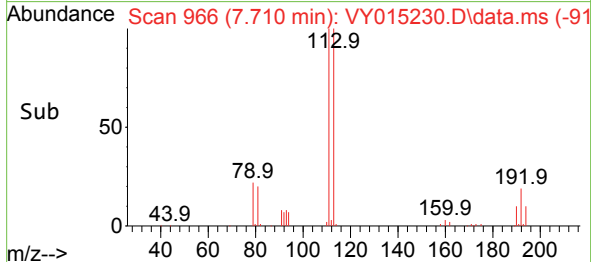
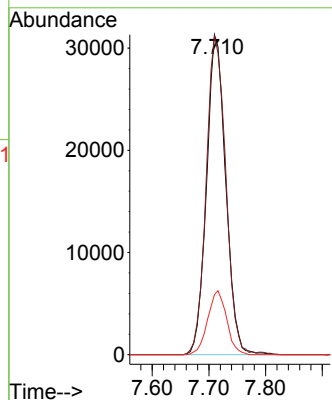
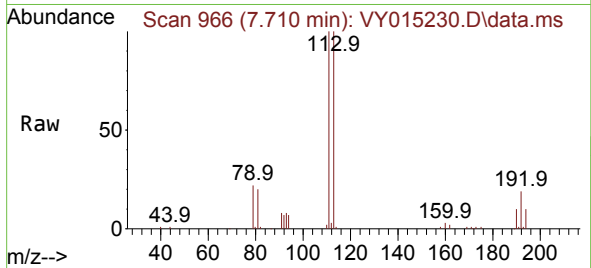




#35
Dibromofluoromethane
Concen: 49.862 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

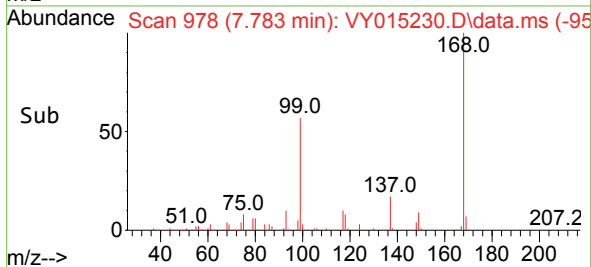
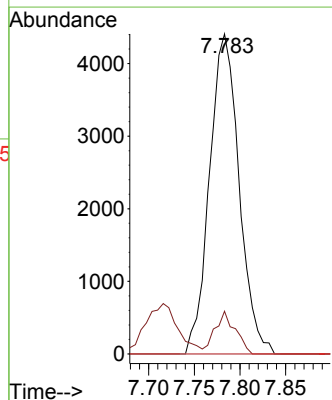
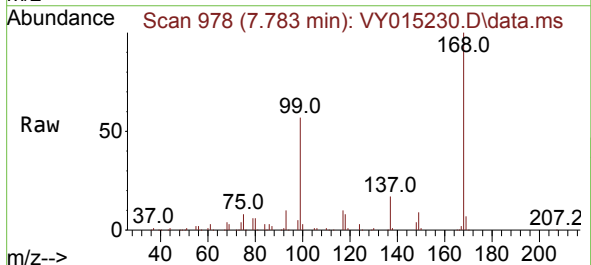
Instrument :
MSVOA_Y
ClientSampleId :

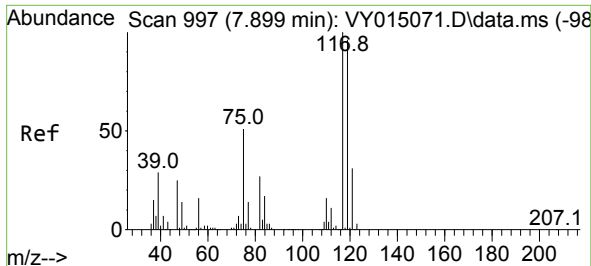
Tgt Ion:113 Resp: 73642
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.076 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

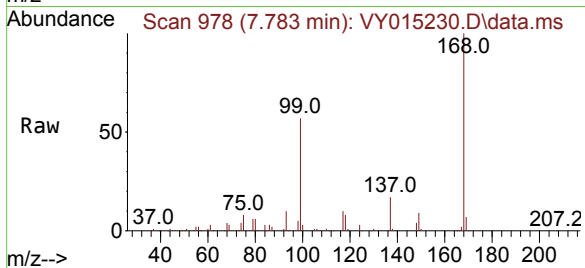
Tgt Ion: 75 Resp: 9928
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



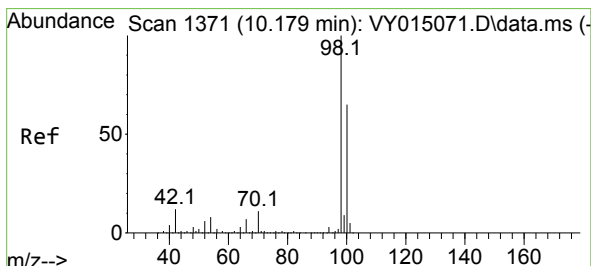
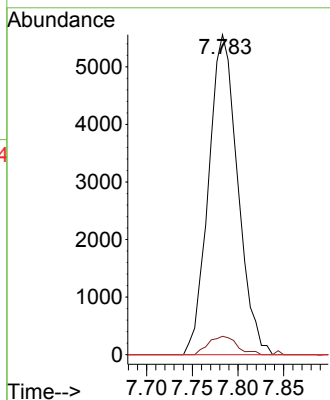
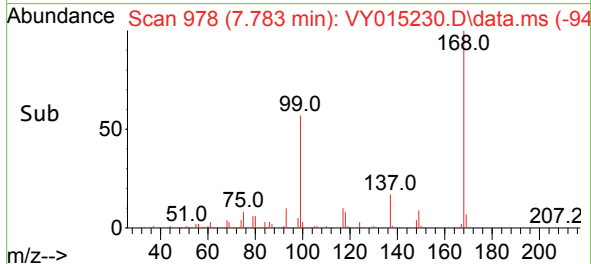


#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :

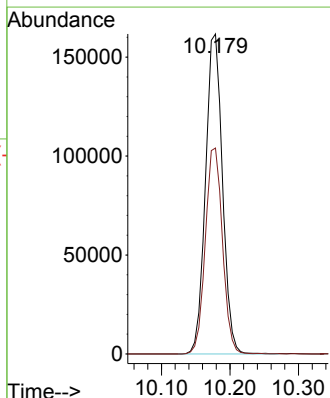
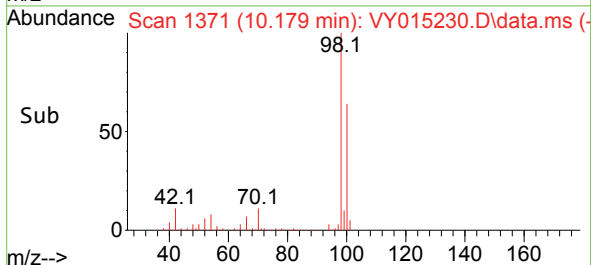
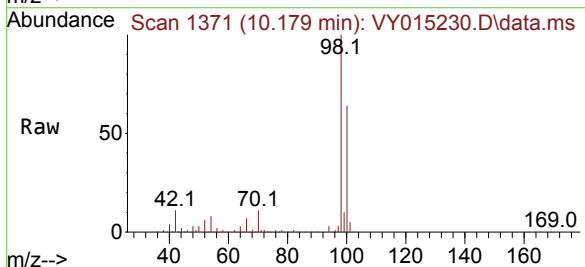


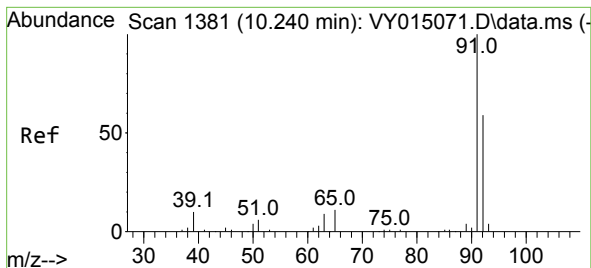
Tgt Ion:117 Resp: 12359
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.609 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

Tgt Ion: 98 Resp: 278246
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1





#52

Toluene

Concen: 1.064 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY015230.D

Acq: 21 Aug 2023 20:07

Instrument :

MSVOA_Y

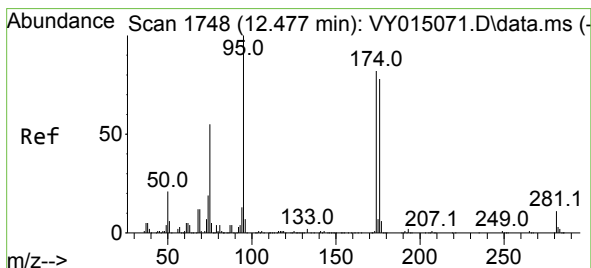
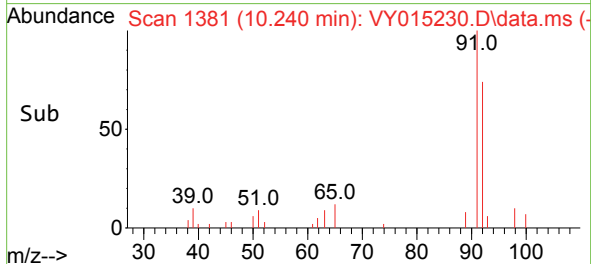
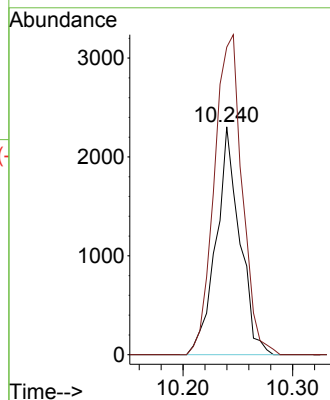
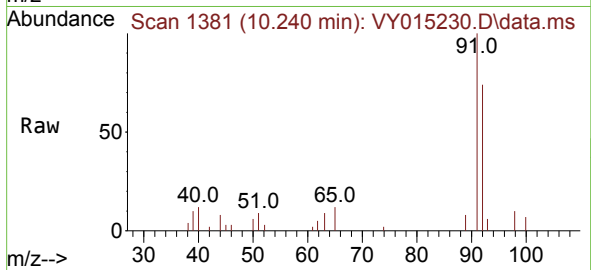
ClientSampleId :

Tgt Ion: 92 Resp: 3466

Ion Ratio Lower Upper

92 100

91 165.1 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 52.767 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015230.D

Acq: 21 Aug 2023 20:07

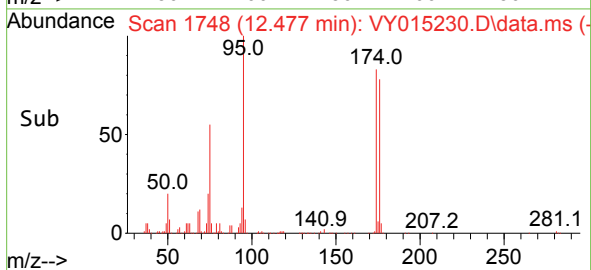
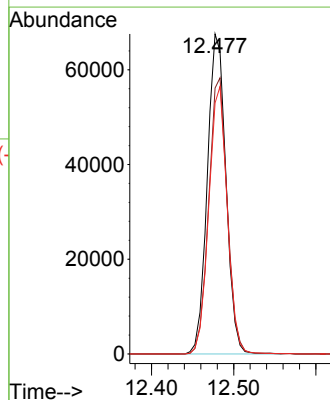
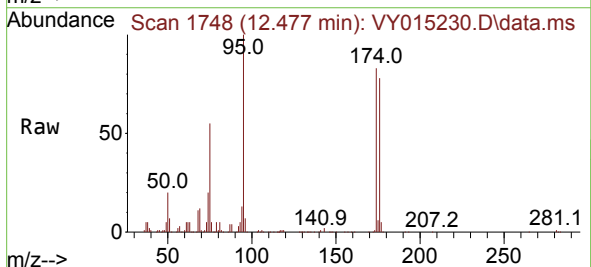
Tgt Ion: 95 Resp: 105962

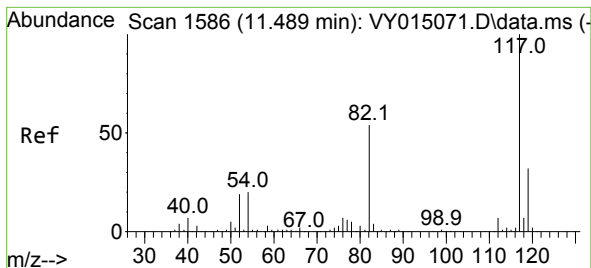
Ion Ratio Lower Upper

95 100

174 86.1 0.0 178.2

176 83.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY015230.D

Acq: 21 Aug 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

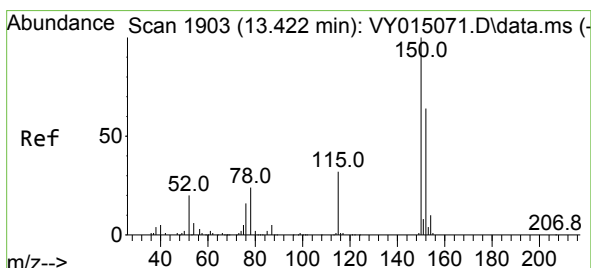
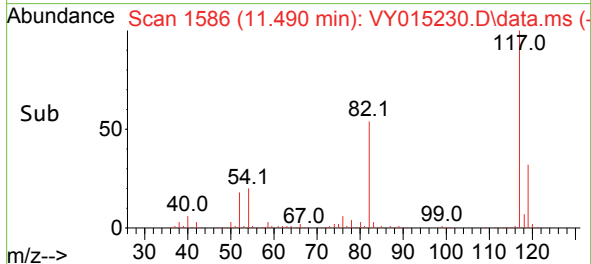
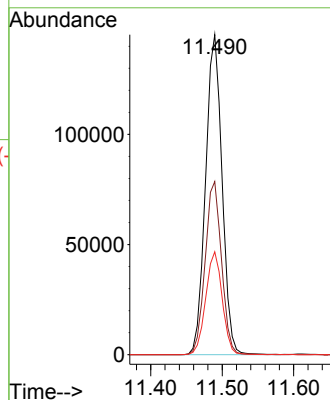
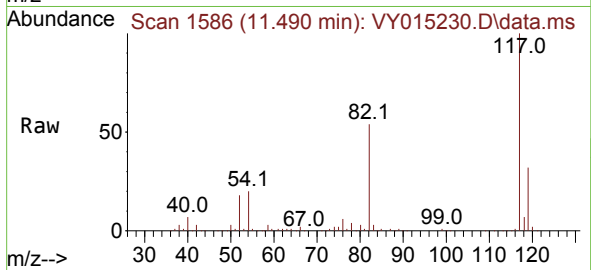
Tgt Ion:117 Resp: 232787

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: VY015230.D

Acq: 21 Aug 2023 20:07

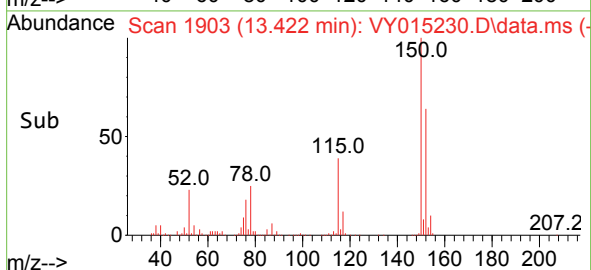
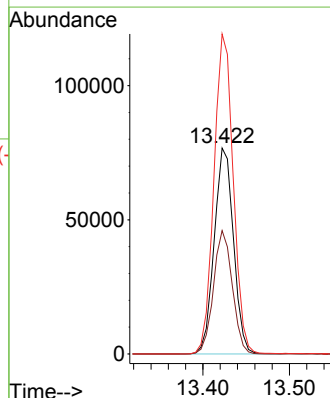
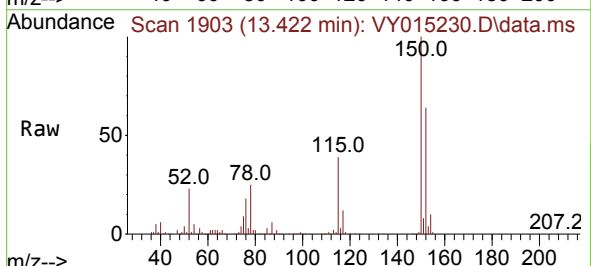
Tgt Ion:152 Resp: 118730

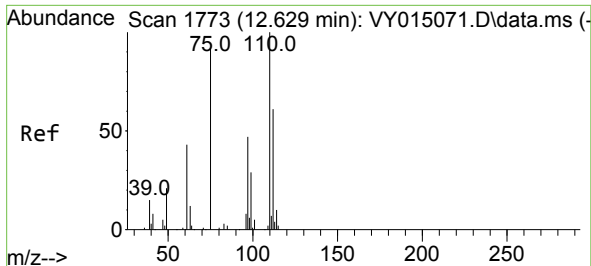
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 155.3 0.0 348.8

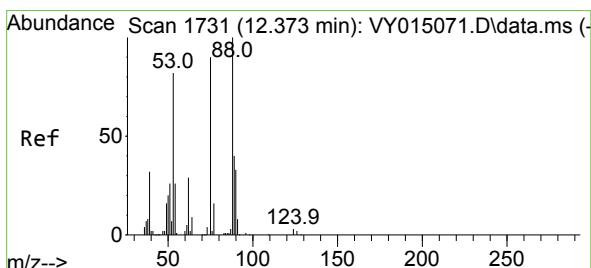
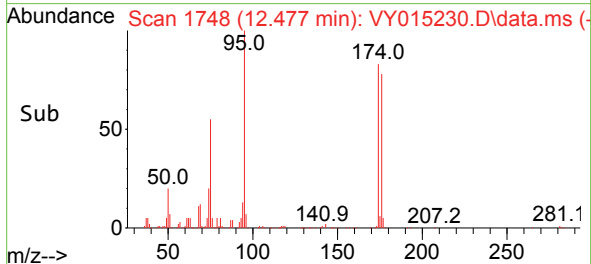
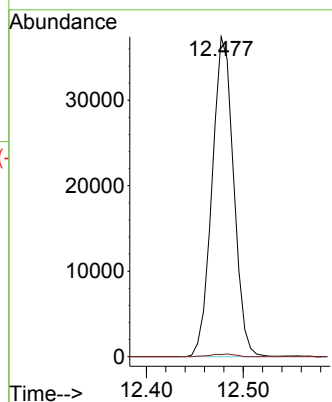
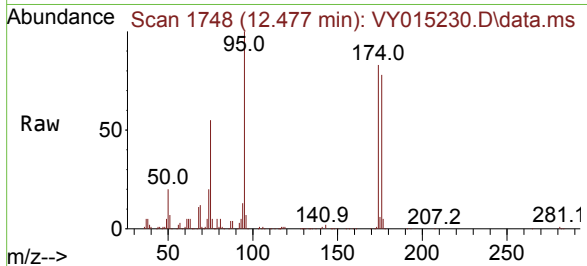




#76
1,2,3-Trichloropropane
Concen: 40.244 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 58051
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.395 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015230.D
Acq: 21 Aug 2023 20:07

Tgt Ion: 75 Resp: 58051
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

