

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015914.D
 Acq On : 11 Oct 2023 10:48
 Operator : SY/MD
 Sample : VY1011SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 12 01:54:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

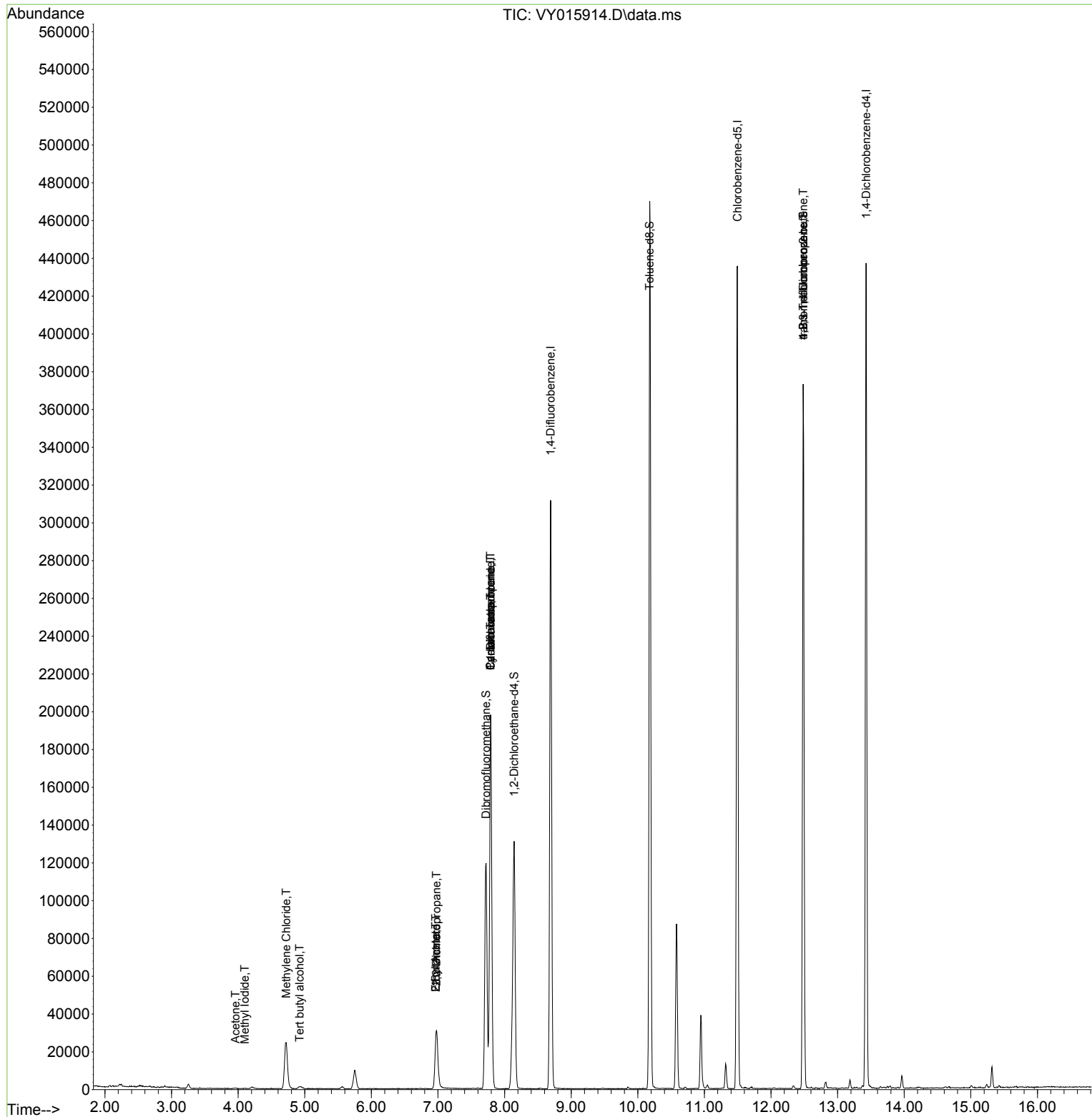
Internal Standards						
1) Pentafluorobenzene	7.789	168	154865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	248132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	91149	65.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.820%	
35) Dibromofluoromethane	7.722	113	87644	57.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.360%	
50) Toluene-d8	10.179	98	318291	63.564	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.120%	
62) 4-Bromofluorobenzene	12.483	95	108137	53.168	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.340%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.100	142	146	2.392	ug/l #	38
11) Tert butyl alcohol	4.923	59	747	12.706	ug/l #	89
16) Acetone	3.960	43	594	7.031	ug/l #	46
20) Methylene Chloride	4.722	84	19554	4.999	ug/l	88
25) 2-Butanone	6.966	43	1579	2.066	ug/l #	81
26) 2,2-Dichloropropane	6.978	77	2485	1.099	ug/l #	54
31) Cyclohexane	7.789	56	3069	2.056	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12182	7.239	ug/l #	50
37) Ethyl Acetate	6.966	43	1579	1.093	ug/l #	1
38) Carbon Tetrachloride	7.789	117	15298	7.570	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	56017	42.558	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56017	94.373	ug/l #	11

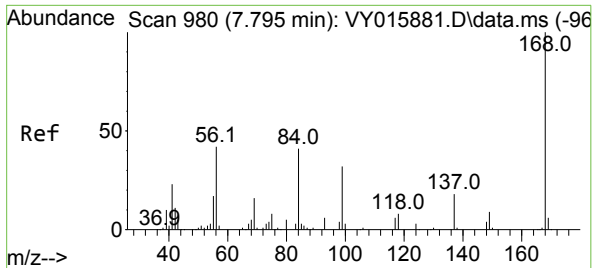
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015914.D
Acq On : 11 Oct 2023 10:48
Operator : SY/MD
Sample : VY1011SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 12 01:54:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 10 07:06:18 2023
Response via : Initial Calibration

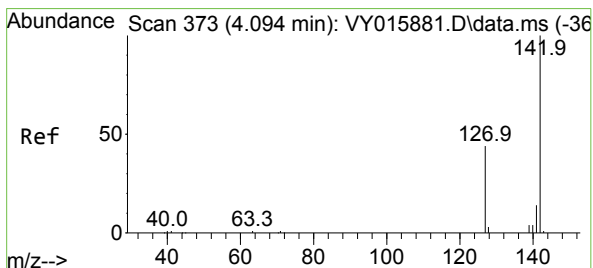
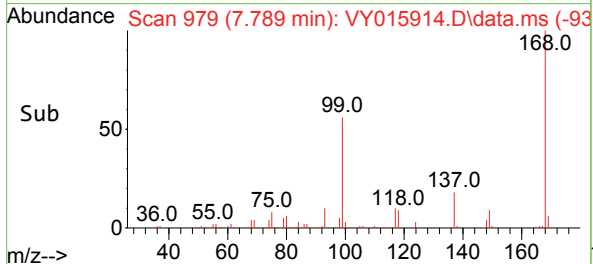
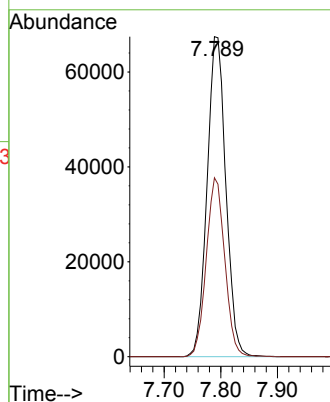
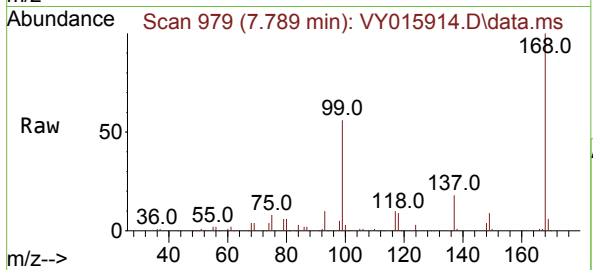




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

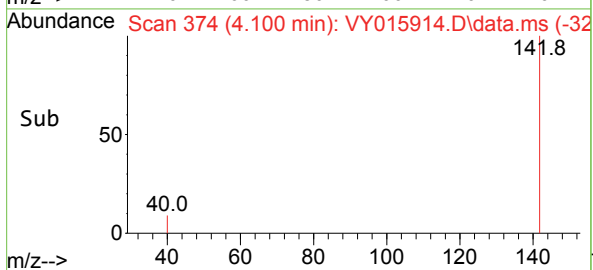
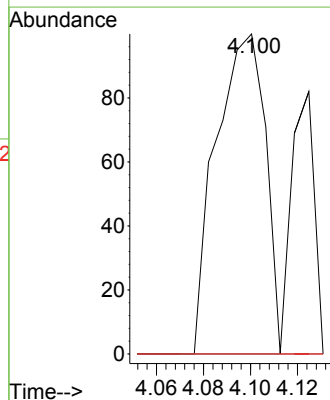
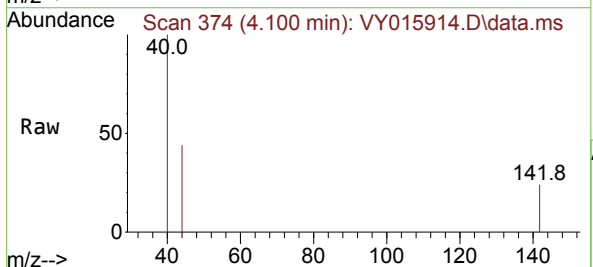
Instrument :
MSVOA_Y
ClientSampleId :

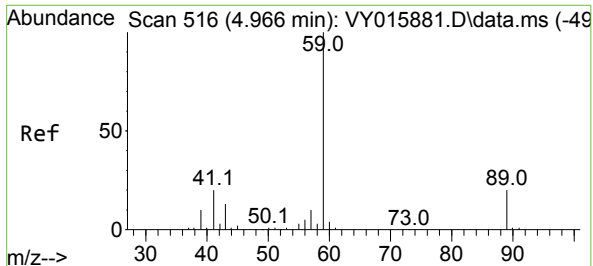
Tgt Ion:168 Resp: 154865
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.392 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Tgt Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: 12.706 ug/l

RT: 4.923 min Scan# 509

Delta R.T. -0.043 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

Instrument :

MSVOA_Y

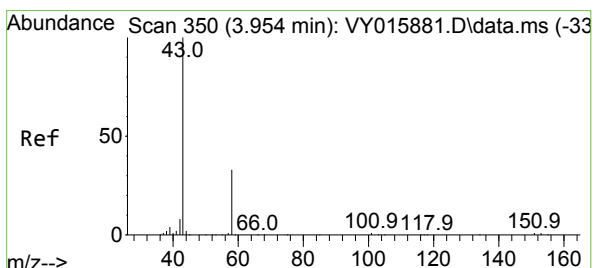
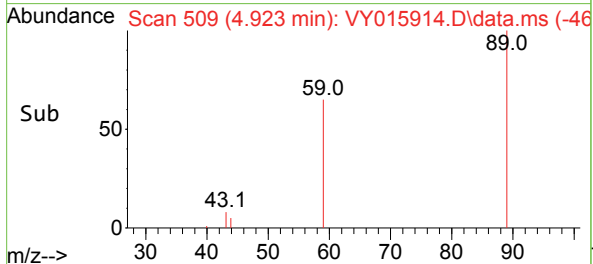
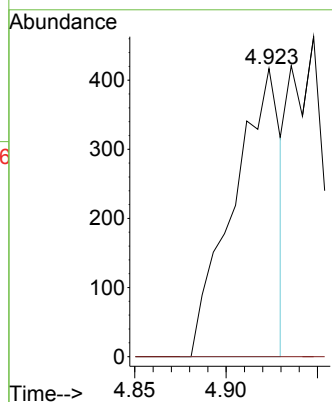
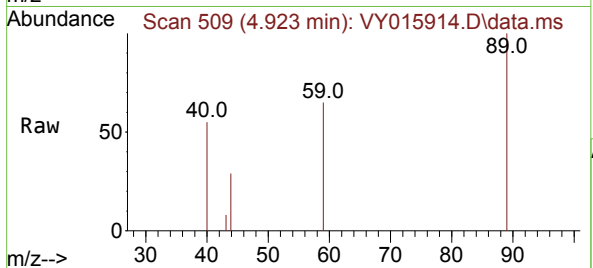
ClientSampleId :

Tgt Ion: 59 Resp: 747

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 7.031 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY015914.D

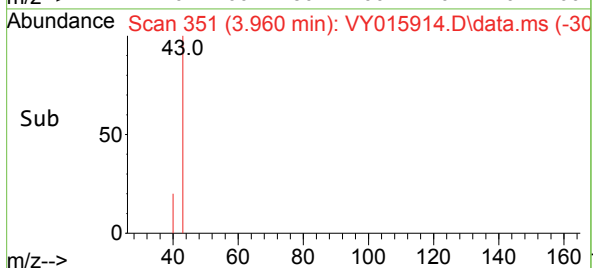
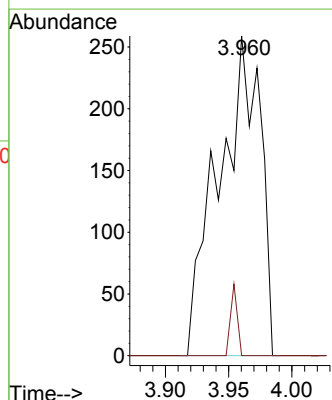
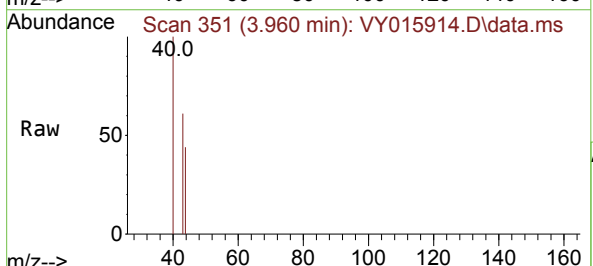
Acq: 11 Oct 2023 10:48

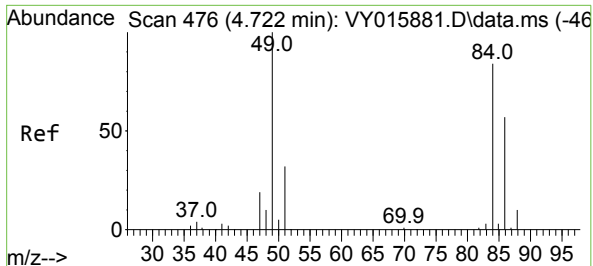
Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

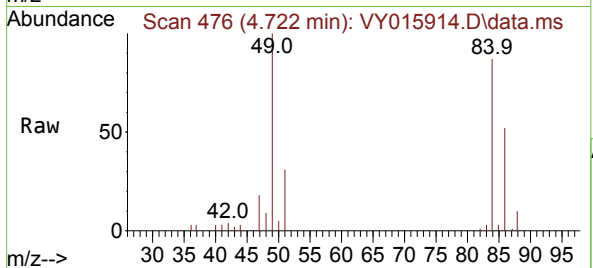
58 0.0 22.7 34.1#



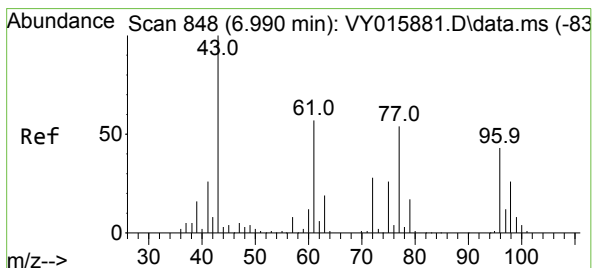
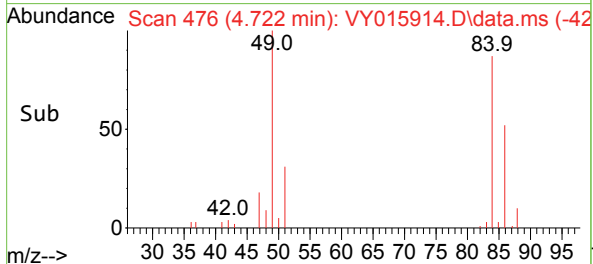
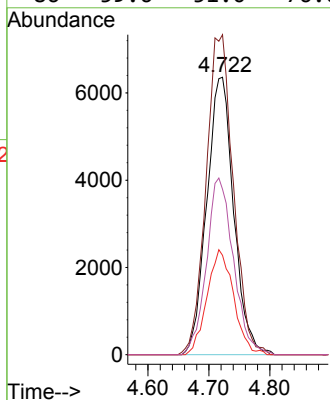


#20
Methylene Chloride
Concen: 4.999 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Instrument :
MSVOA_Y
ClientSampleId :

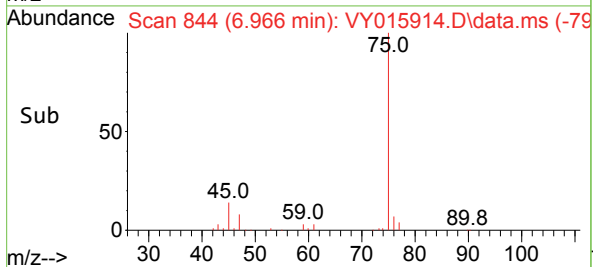
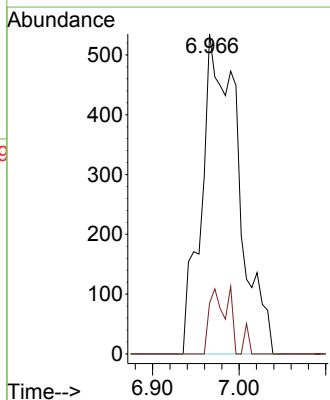
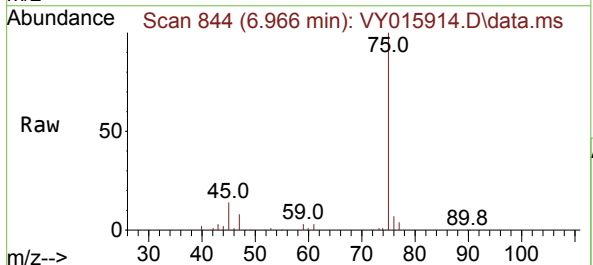


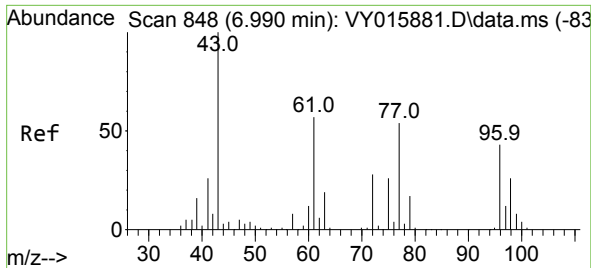
Tgt Ion:	84	Resp:	19554
Ion	Ratio	Lower	Upper
84	100		
49	115.3	106.9	160.3
51	35.8	33.2	49.8
86	59.6	51.0	76.6



#25
2-Butanone
Concen: 2.066 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.024 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Tgt Ion:	43	Resp:	1579
Ion	Ratio	Lower	Upper
43	100		
72	15.9	20.5	30.7#

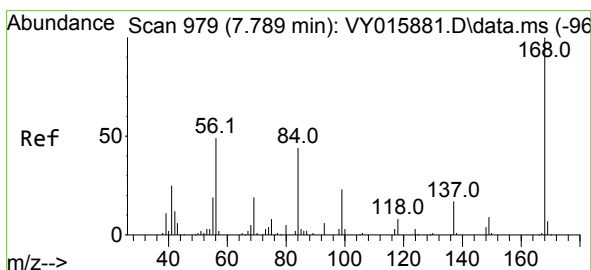
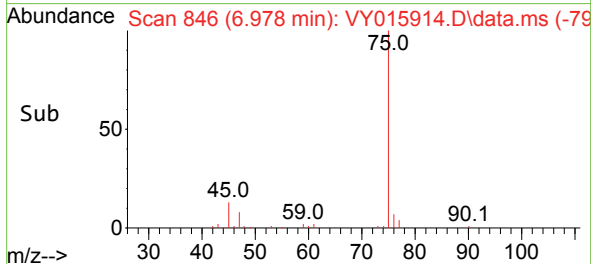
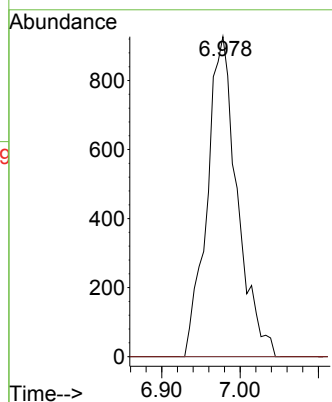
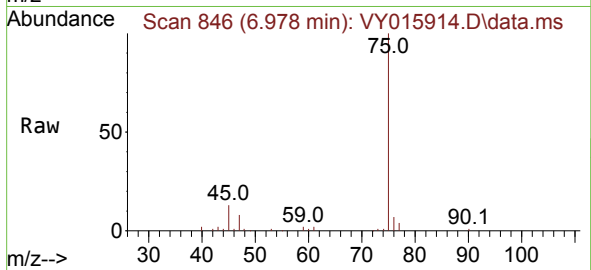




#26
2,2-Dichloropropane
Concen: 1.099 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

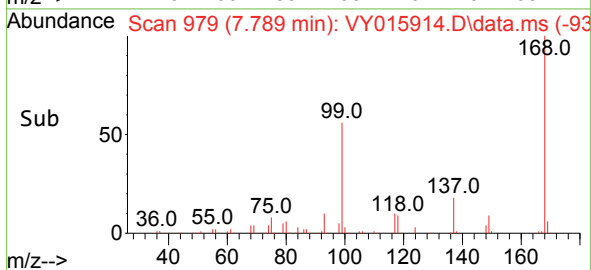
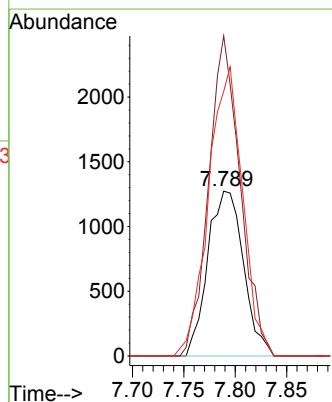
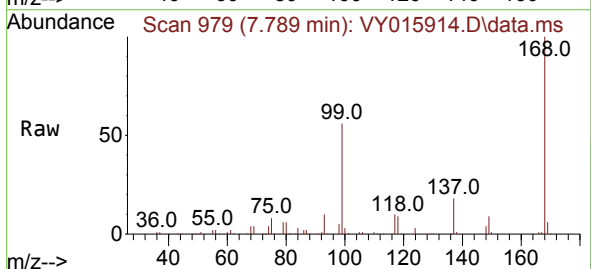
Instrument :
MSVOA_Y
ClientSampleId :

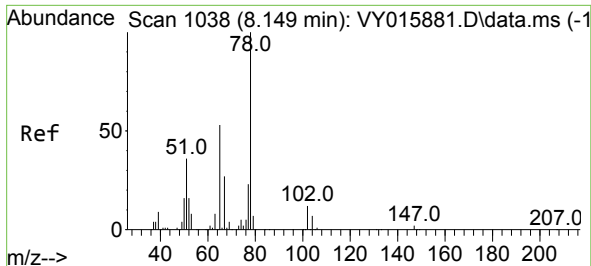
Tgt Ion: 77 Resp: 2485
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 2.056 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Tgt Ion: 56 Resp: 3069
Ion Ratio Lower Upper
56 100
69 194.2 27.8 41.6#
84 160.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 65.411 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

Instrument :

MSVOA_Y

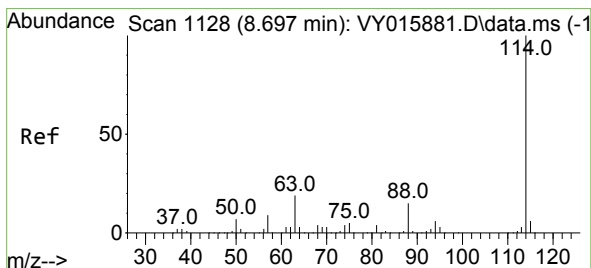
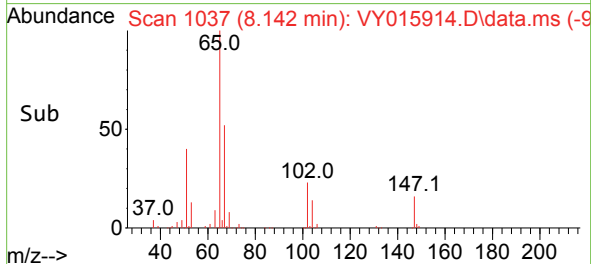
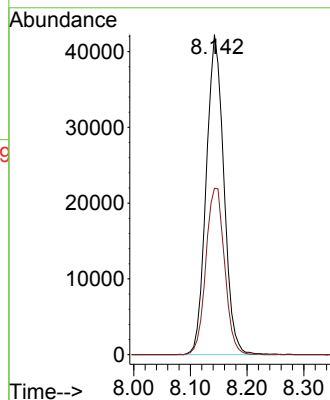
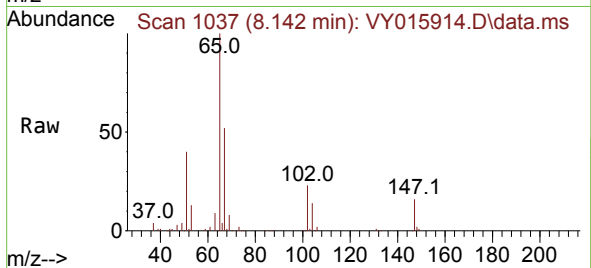
ClientSampleId :

Tgt Ion: 65 Resp: 91149

Ion Ratio Lower Upper

65 100

67 55.3 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: VY015914.D

Acq: 11 Oct 2023 10:48

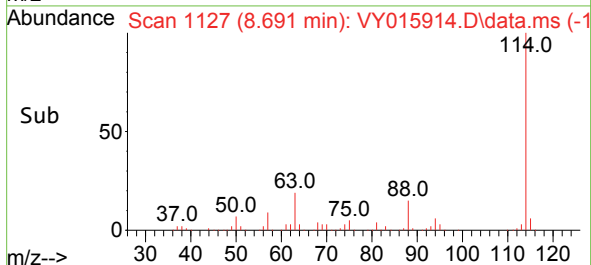
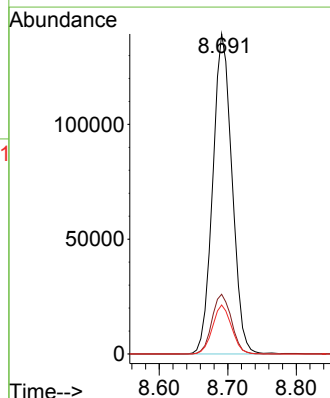
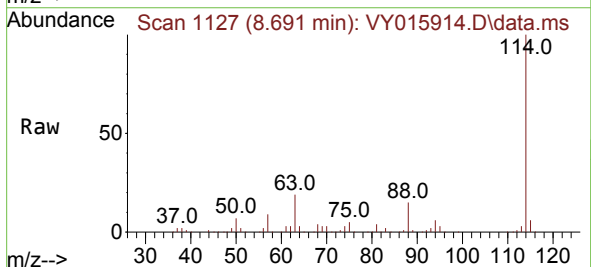
Tgt Ion:114 Resp: 272397

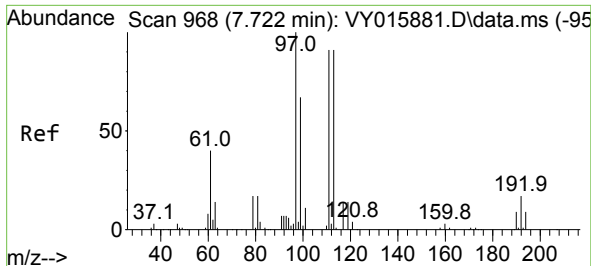
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.3 0.0 30.6

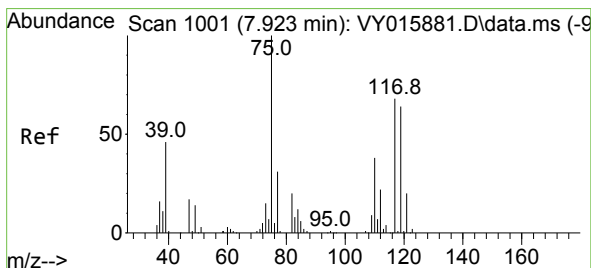
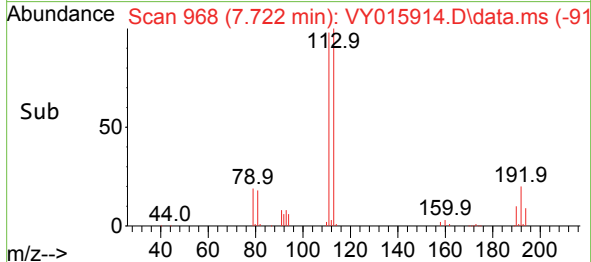
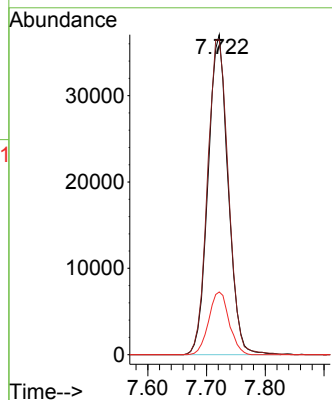
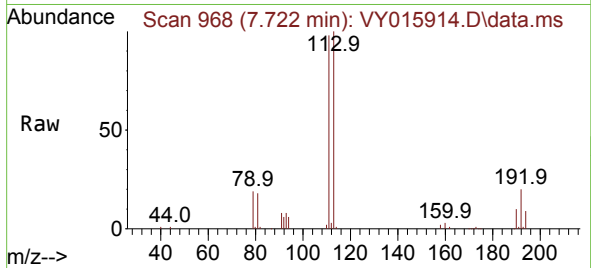




#35
Dibromofluoromethane
Concen: 57.684 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

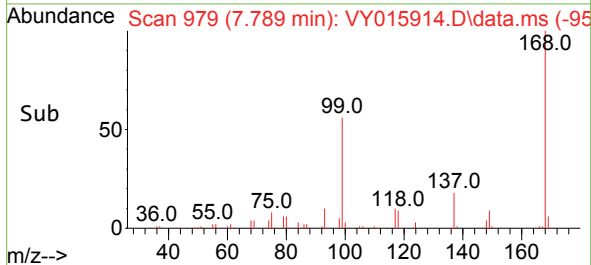
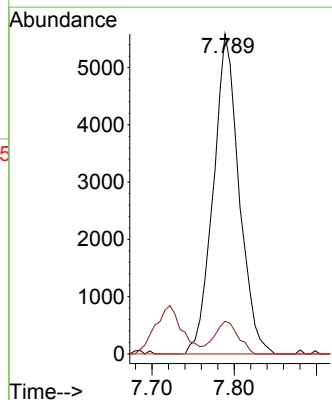
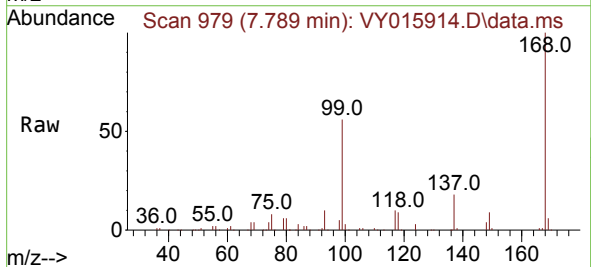
Instrument :
MSVOA_Y
ClientSampleId :

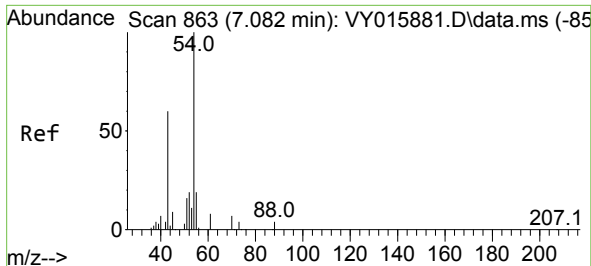
Tgt Ion:113 Resp: 87644
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 7.239 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Tgt Ion: 75 Resp: 12182
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.093 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.116 min

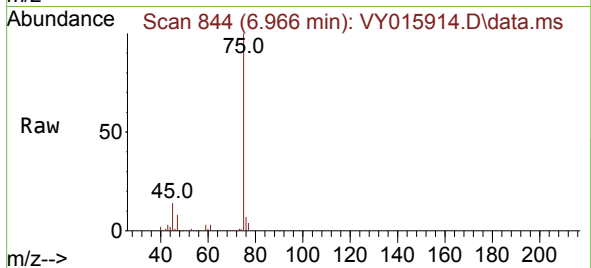
Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

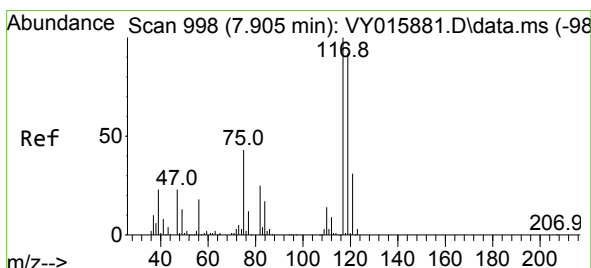
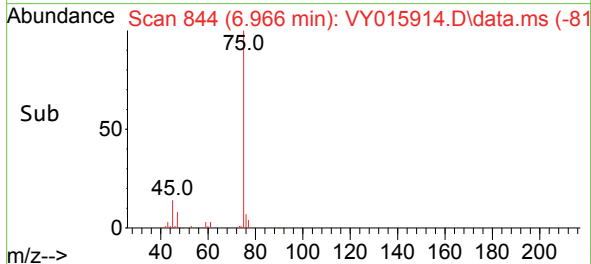
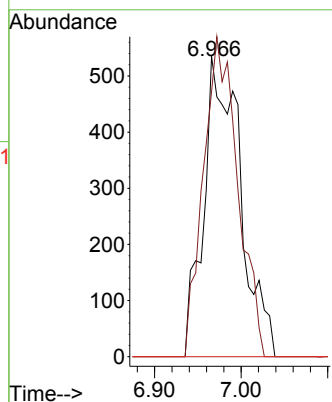
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1579
Ion	Ratio	Lower	Upper
43	100		
61	99.7	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.570 ug/l

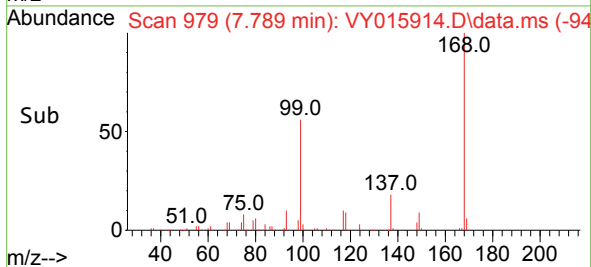
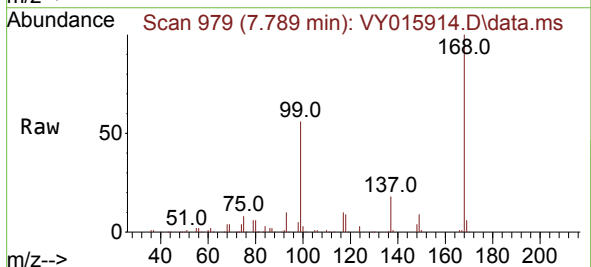
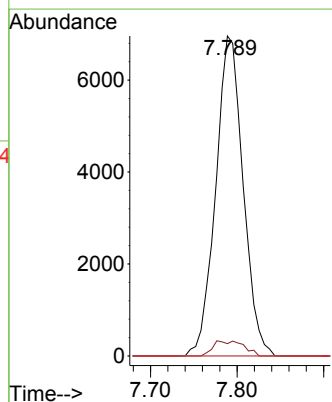
RT: 7.789 min Scan# 979

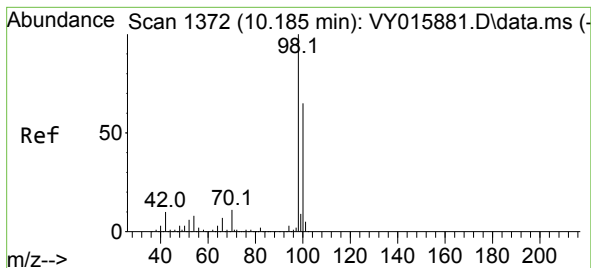
Delta R.T. -0.116 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

Tgt Ion:	117	Resp:	15298
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 63.564 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

Instrument :

MSVOA_Y

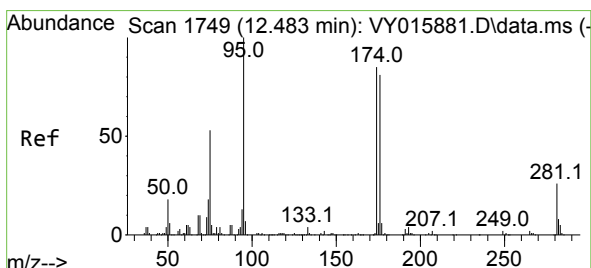
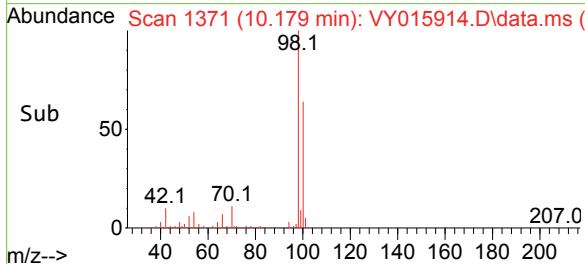
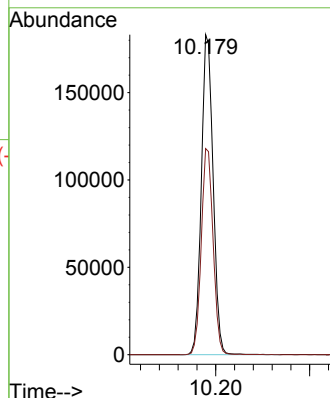
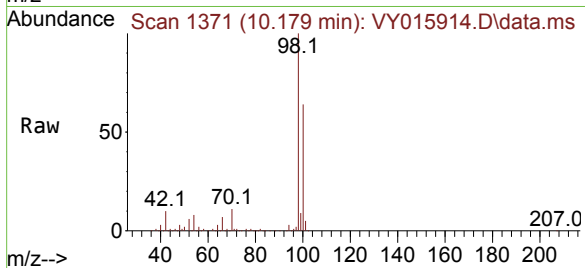
ClientSampleId :

Tgt Ion: 98 Resp: 318291

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.168 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

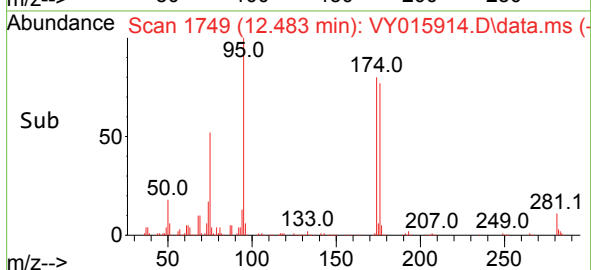
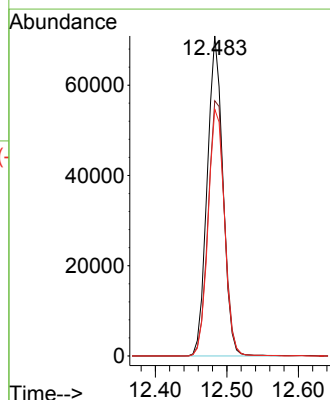
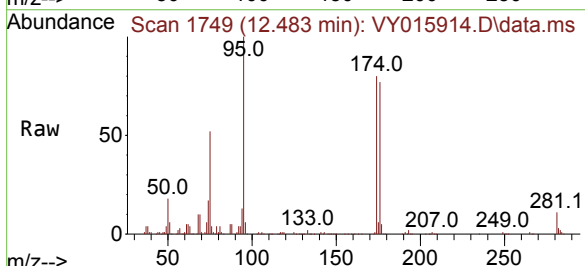
Tgt Ion: 95 Resp: 108137

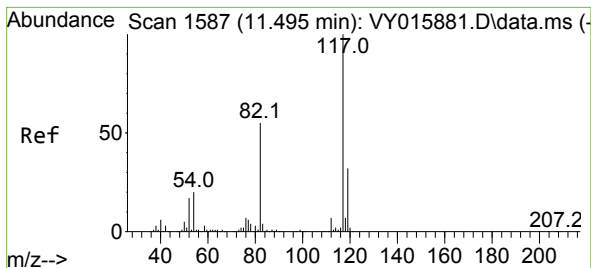
Ion Ratio Lower Upper

95 100

174 83.5 0.0 178.2

176 80.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

Instrument :

MSVOA_Y

ClientSampleId :

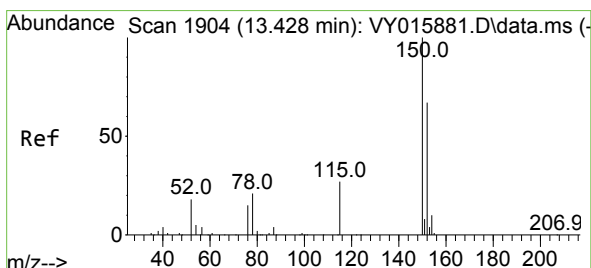
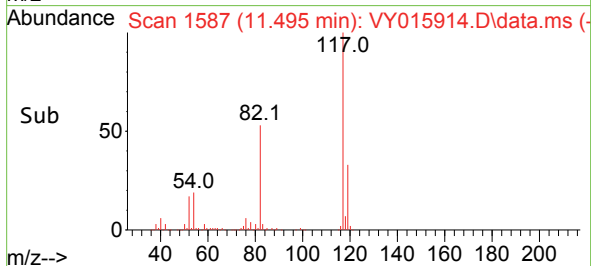
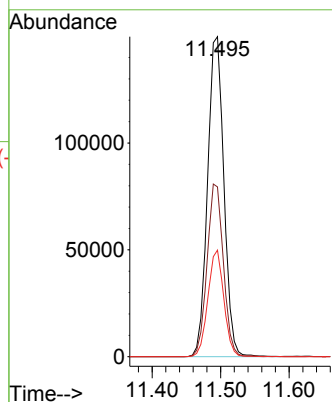
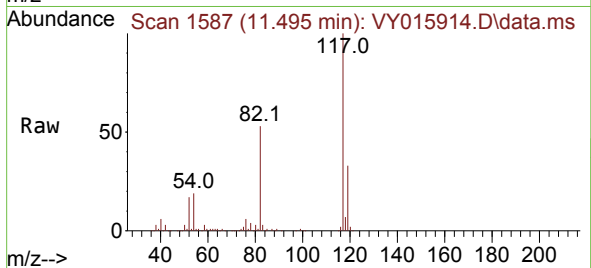
Tgt Ion:117 Resp: 248132

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 33.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY015914.D

Acq: 11 Oct 2023 10:48

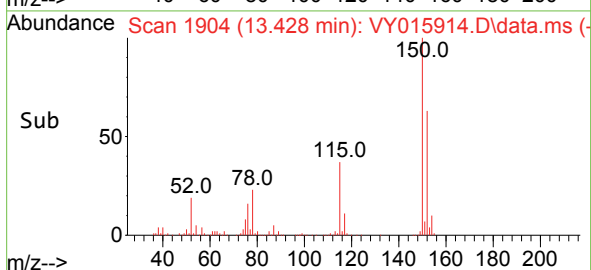
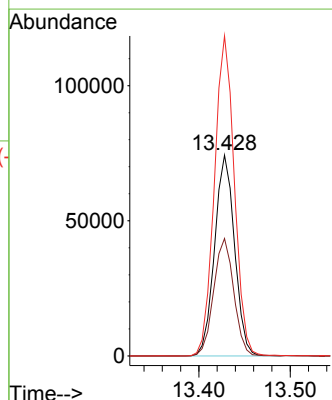
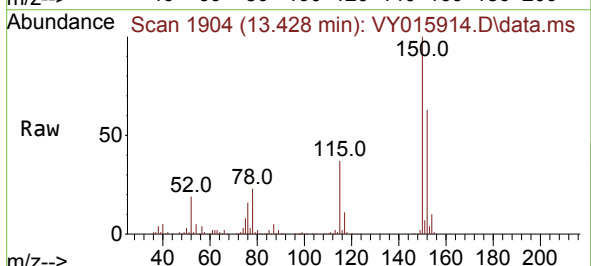
Tgt Ion:152 Resp: 112752

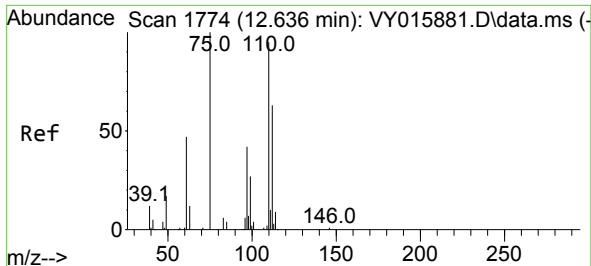
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 159.2 0.0 348.8

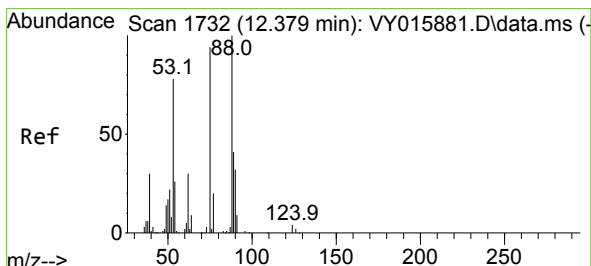
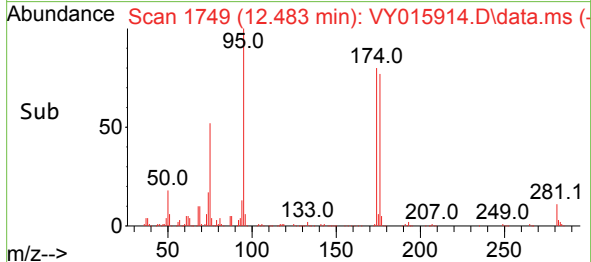
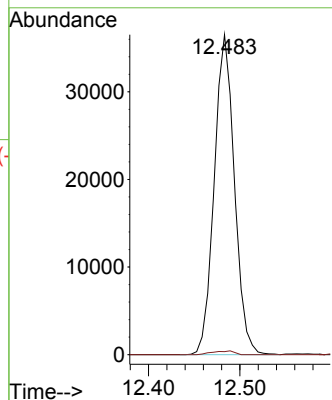
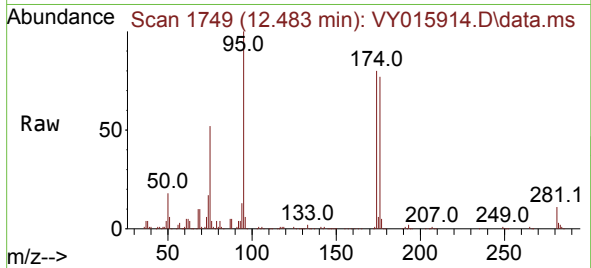




#76
1,2,3-Trichloropropane
Concen: 42.558 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 56017
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.373 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015914.D
Acq: 11 Oct 2023 10:48

Tgt Ion: 75 Resp: 56017
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

