

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013983.D
 Acq On : 02 Jun 2023 12:36
 Operator : KP/MD
 Sample : 03002-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB05B

Quant Time: Jun 03 04:59:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

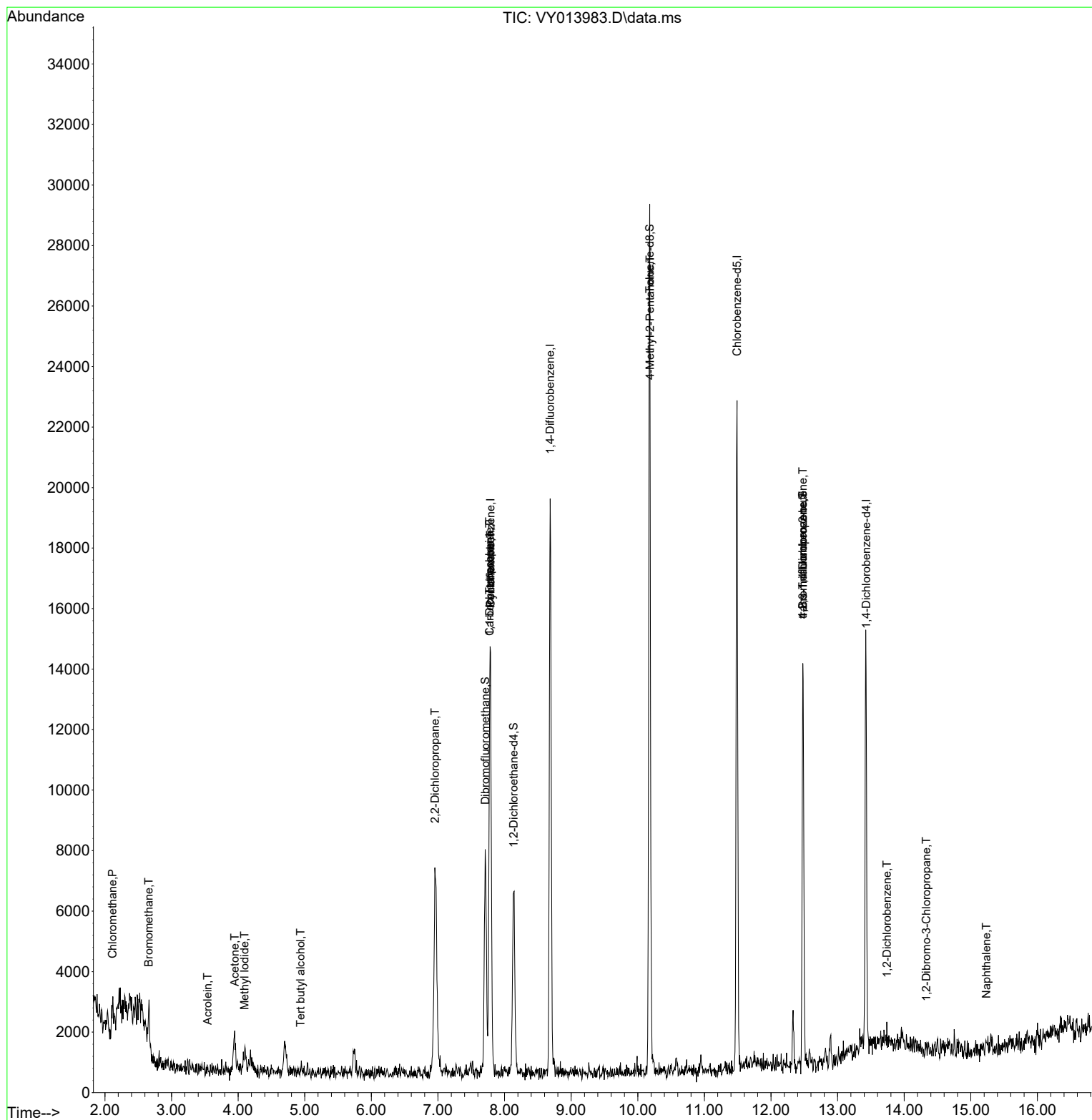
Internal Standards						
1) Pentafluorobenzene	7.789	168	11640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	15977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	11822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	5322	34.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	69.080%		
35) Dibromofluoromethane	7.710	113	4905	48.308	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.620%		
50) Toluene-d8	10.179	98	18883	48.756	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.477	95	3981	30.150	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	60.300%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	711	5.012	ug/l	95
5) Bromomethane	2.656	94	669	5.847	ug/l	100
10) Methyl Iodide	4.095	142	1171	7.962	ug/l #	67
11) Tert butyl alcohol	4.936	59	86	2.716	ug/l #	89
13) Acrolein	3.540	56	18	1.241	ug/l #	14
16) Acetone	3.948	43	2370	44.956	ug/l	90
20) Methylene Chloride	4.723	84	282	Below Cal	#	69
26) 2,2-Dichloropropane	6.954	77	475	2.228	ug/l #	54
31) Cyclohexane	7.789	56	256	1.380	ug/l #	34
36) 1,1-Dichloropropene	7.777	75	945	6.533	ug/l #	41
38) Carbon Tetrachloride	7.777	117	1215	7.495	ug/l #	12
51) 4-Methyl-2-Pentanone	10.185	43	142	1.184	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	2222	42.414	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2222	89.983	ug/l #	10
91) 1,2-Dichlorobenzene	13.739	146	144	1.185	ug/l #	43
92) 1,2-Dibromo-3-Chloropr...	14.331	75	28	2.162	ug/l #	3
95) Naphthalene	15.233	128	299	5.398	ug/l #	69

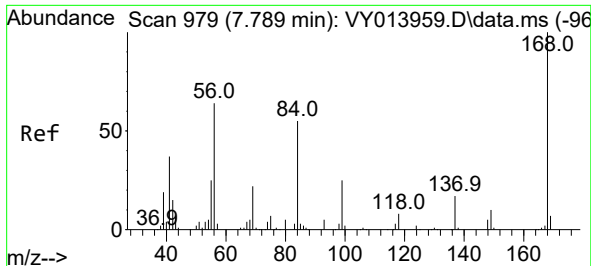
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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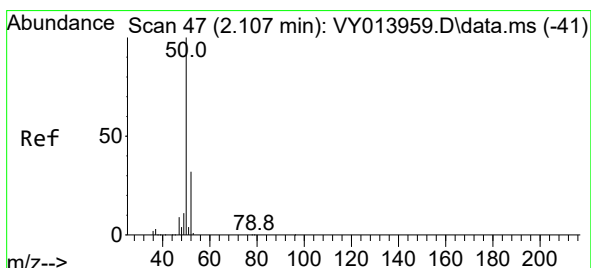
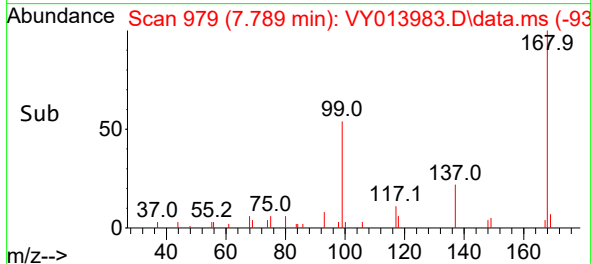
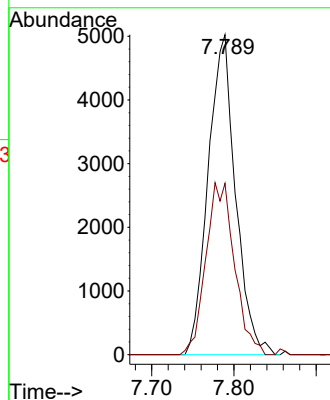
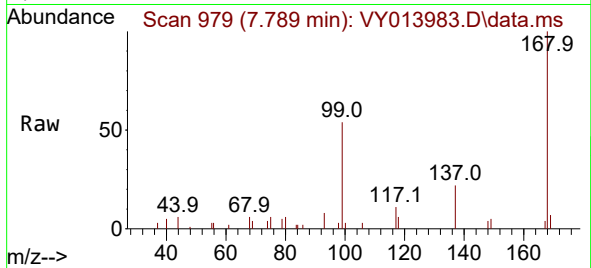




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

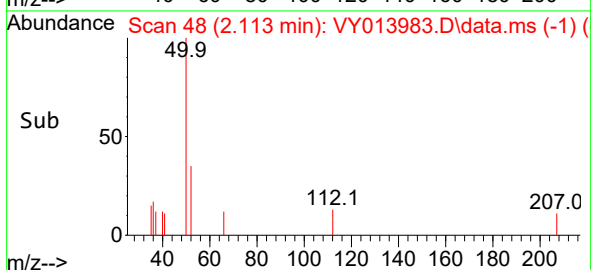
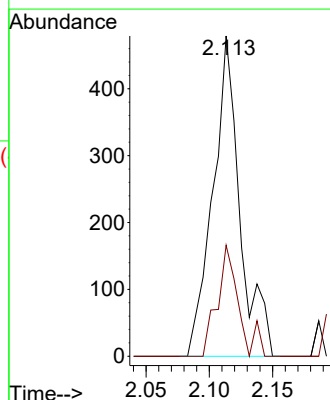
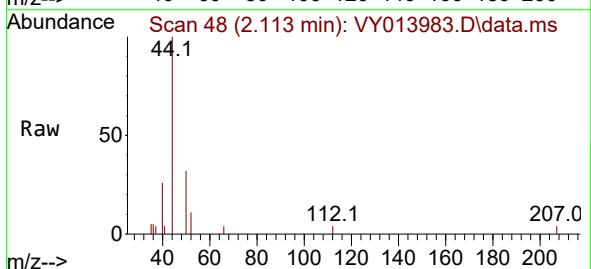
Instrument :
MSVOA_Y
ClientSampleId :
SB05B

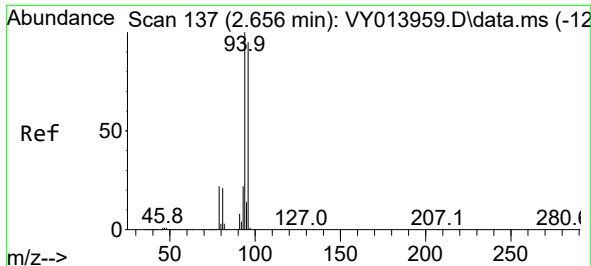
Tgt Ion:168 Resp: 11640
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#3
Chloromethane
Concen: 5.012 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Tgt Ion: 50 Resp: 711
Ion Ratio Lower Upper
50 100
52 34.7 25.4 38.2

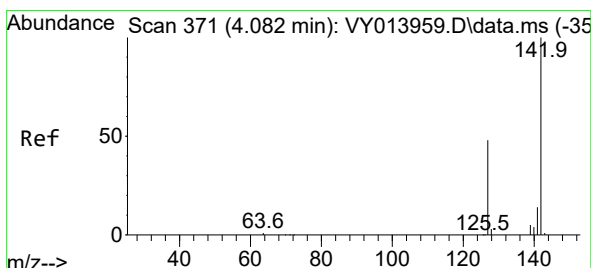
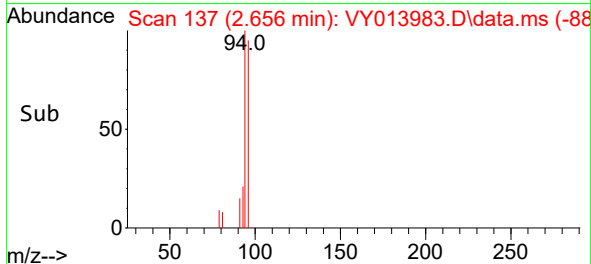
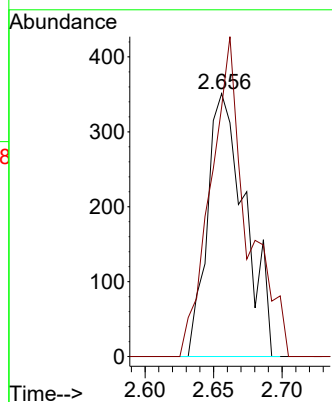
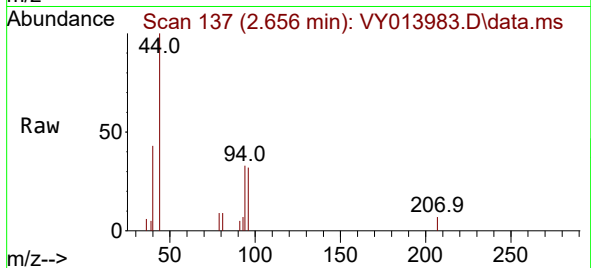




#5
Bromomethane
Concen: 5.847 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

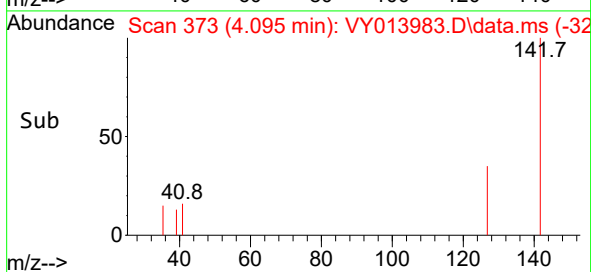
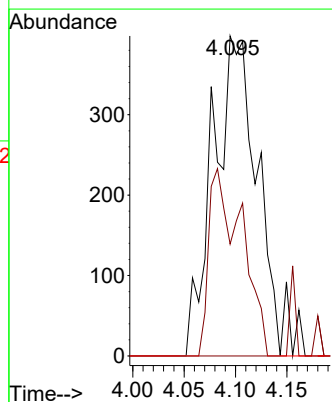
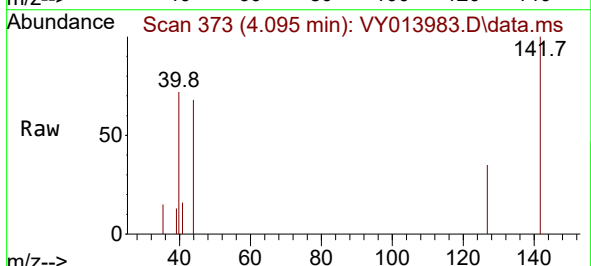
Instrument :
MSVOA_Y
ClientSampleId :
SB05B

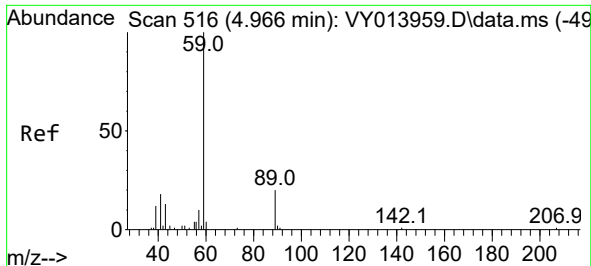
Tgt Ion: 94 Resp: 669
Ion Ratio Lower Upper
94 100
96 94.9 75.8 113.6



#10
Methyl Iodide
Concen: 7.962 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Tgt Ion: 142 Resp: 1171
Ion Ratio Lower Upper
142 100
127 25.6 37.6 56.4#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: 2.716 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.030 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

Instrument :

MSVOA_Y

ClientSampleId :

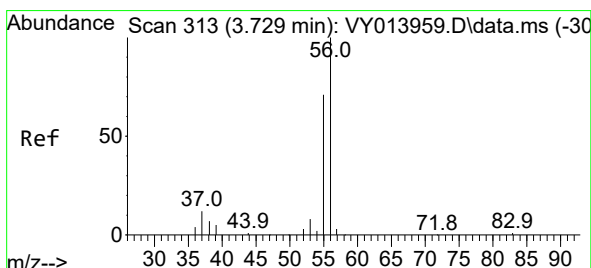
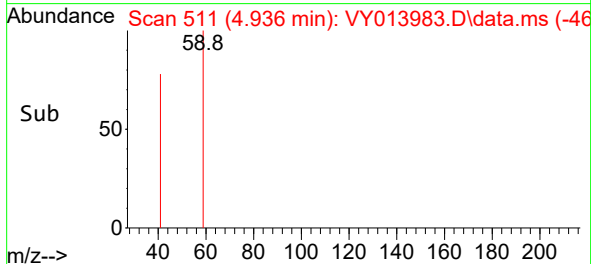
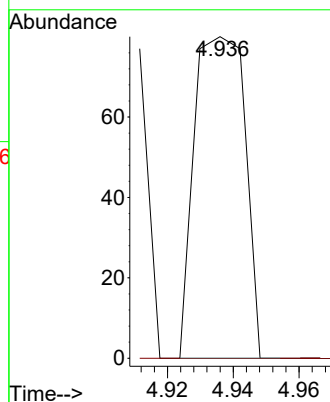
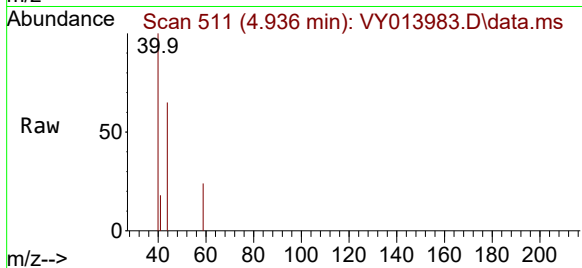
SB05B

Tgt Ion: 59 Resp: 86

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: 1.241 ug/l

RT: 3.540 min Scan# 282

Delta R.T. -0.189 min

Lab File: VY013983.D

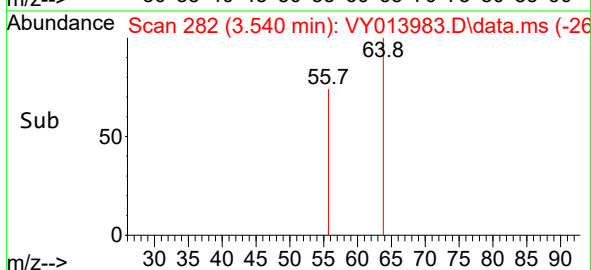
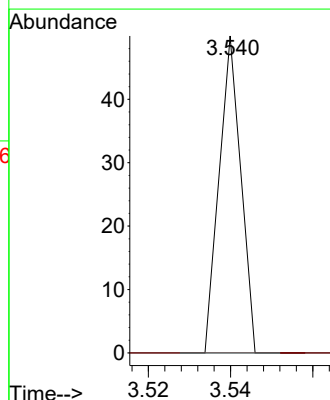
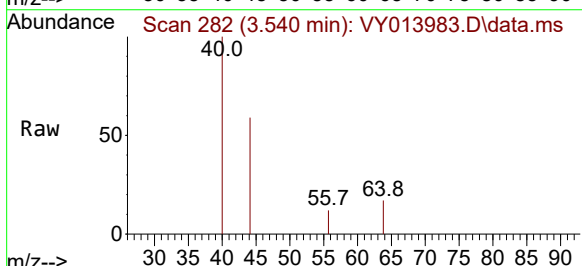
Acq: 02 Jun 2023 12:36

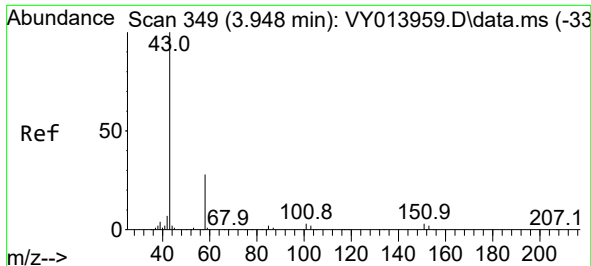
Tgt Ion: 56 Resp: 18

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#

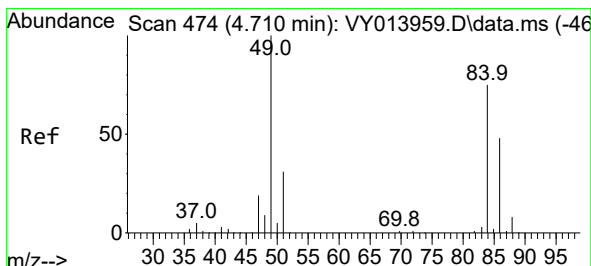
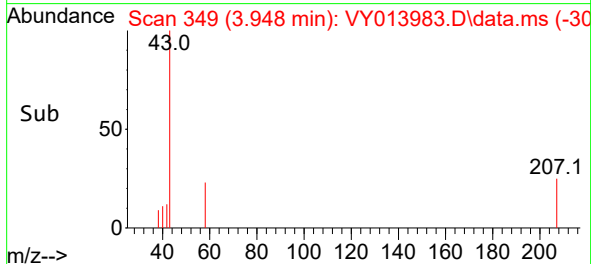
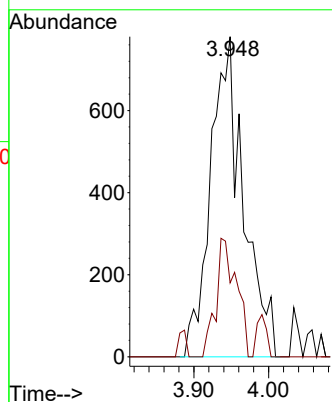
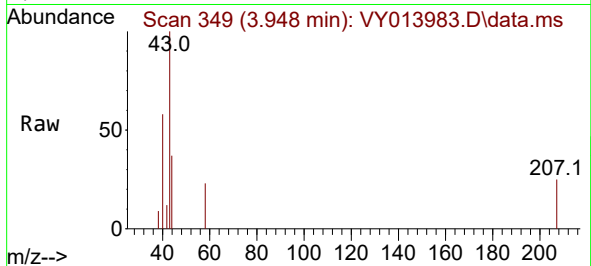




#16
Acetone
Concen: 44.956 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

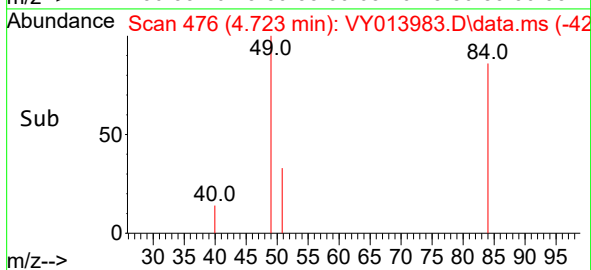
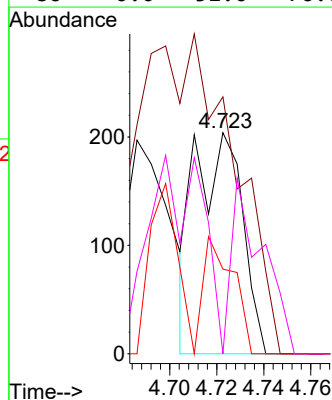
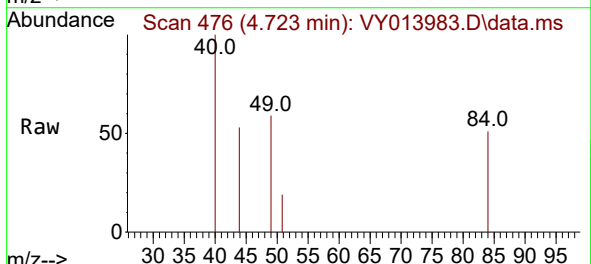
Instrument :
MSVOA_Y
ClientSampleId :
SB05B

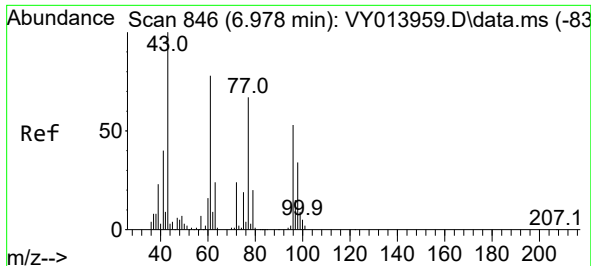
Tgt Ion: 43 Resp: 2370
Ion Ratio Lower Upper
43 100
58 23.1 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.013 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Tgt Ion: 84 Resp: 282
Ion Ratio Lower Upper
84 100
49 116.2 106.9 160.3
51 38.2 33.2 49.8
86 0.0 51.0 76.6#





#26

2,2-Dichloropropane

Concen: 2.228 ug/l

RT: 6.954 min Scan# 846

Delta R.T. -0.024 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

Instrument :

MSVOA_Y

ClientSampleId :

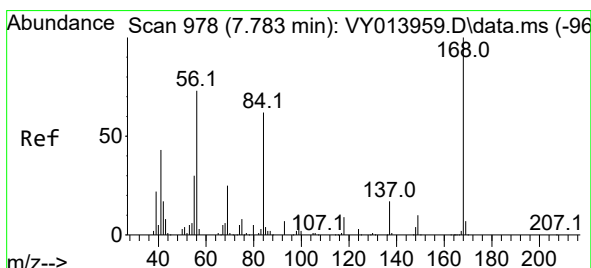
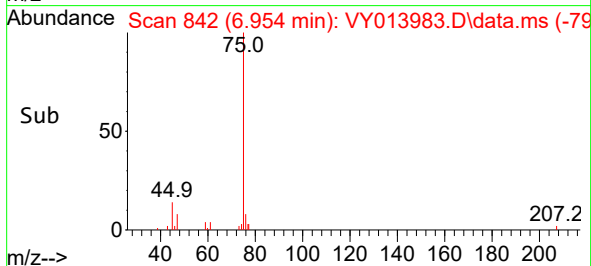
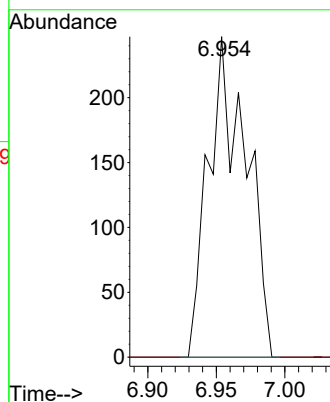
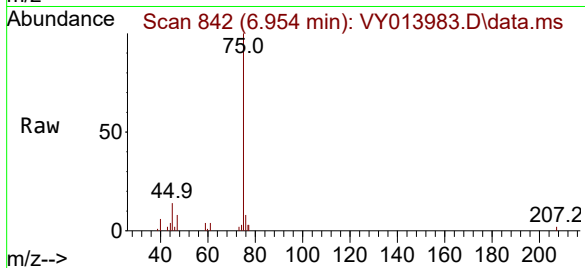
SB05B

Tgt Ion: 77 Resp: 475

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.380 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

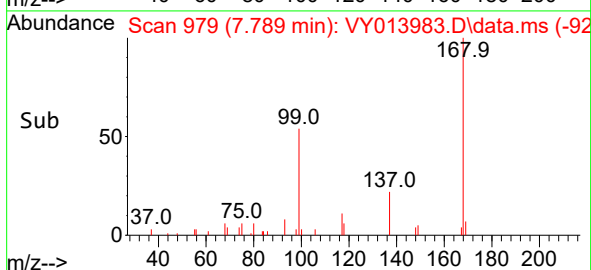
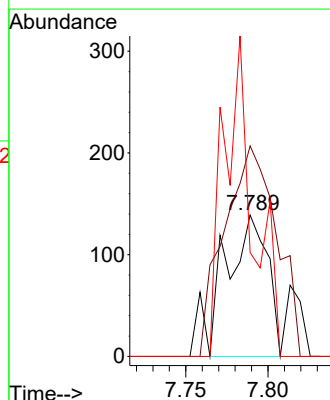
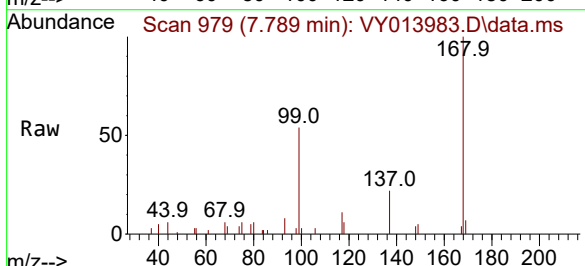
Tgt Ion: 56 Resp: 256

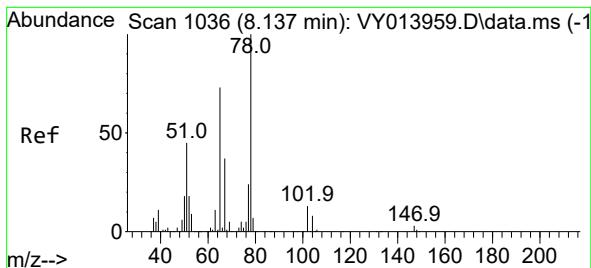
Ion Ratio Lower Upper

56 100

69 148.9 27.8 41.6#

84 73.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 34.539 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

Instrument :

MSVOA_Y

ClientSampleId :

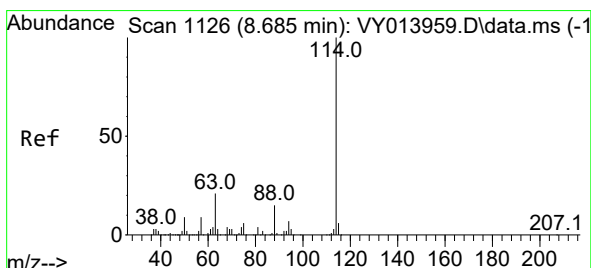
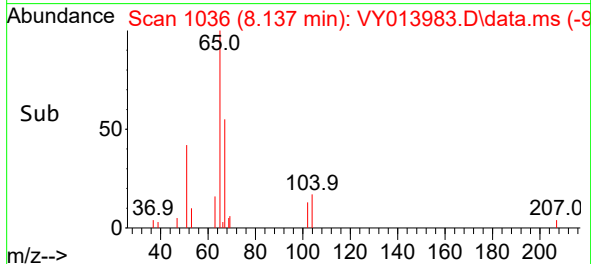
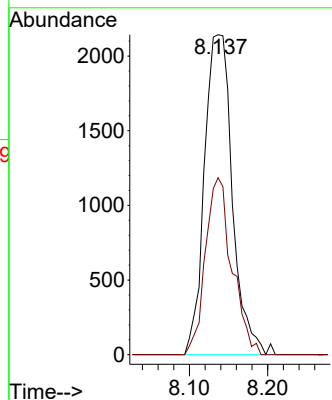
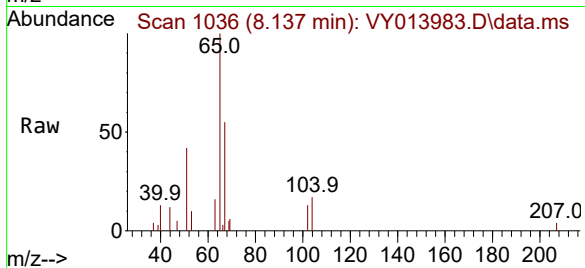
SB05B

Tgt Ion: 65 Resp: 5322

Ion Ratio Lower Upper

65 100

67 52.4 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: VY013983.D

Acq: 02 Jun 2023 12:36

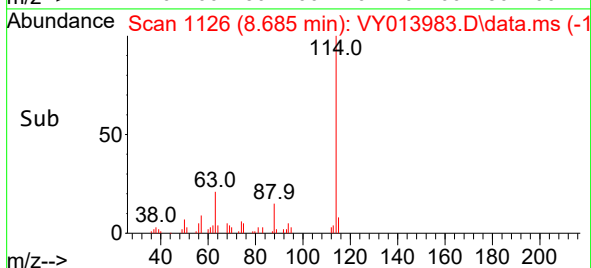
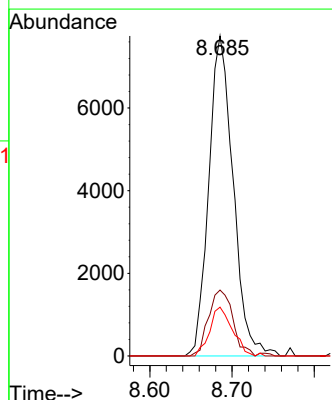
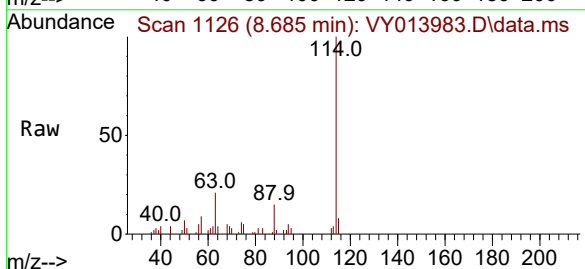
Tgt Ion: 114 Resp: 15977

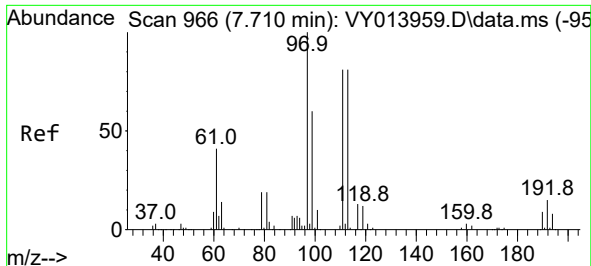
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.3 0.0 30.6

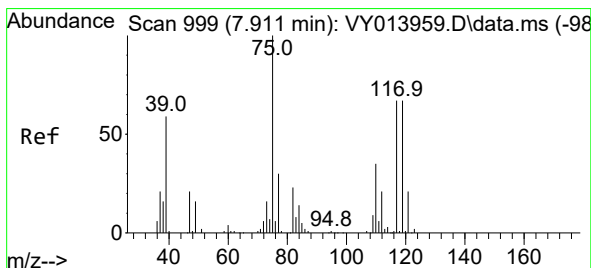
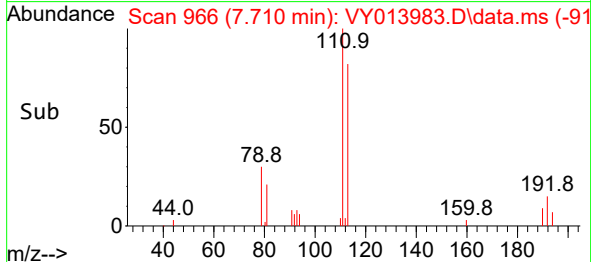
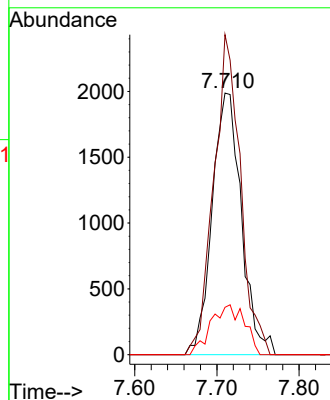
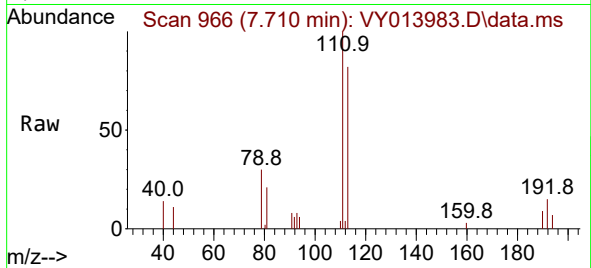




#35
Dibromofluoromethane
Concen: 48.308 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

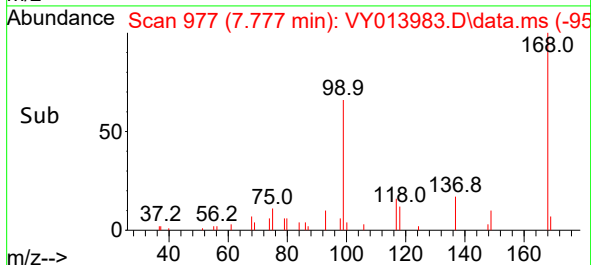
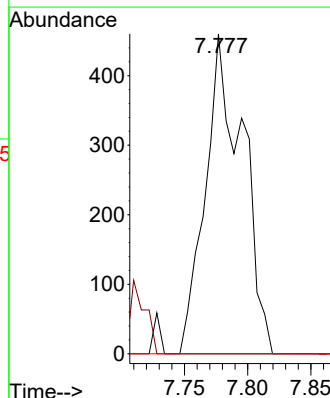
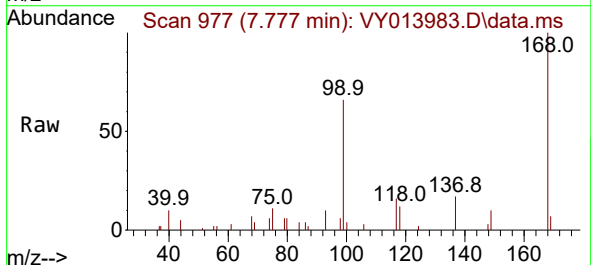
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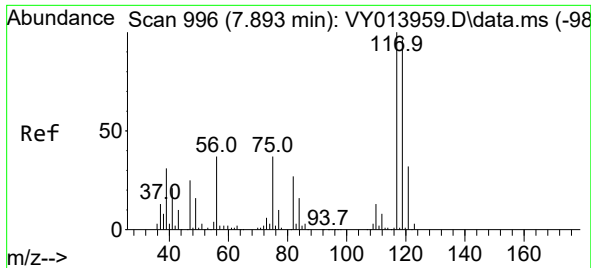
Tgt Ion:113 Resp: 4905
Ion Ratio Lower Upper
113 100
111 111.2 81.3 121.9
192 22.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.533 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

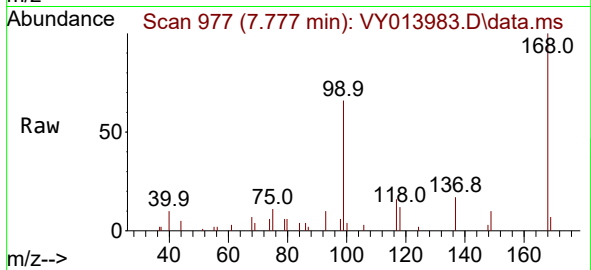
Tgt Ion: 75 Resp: 945
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



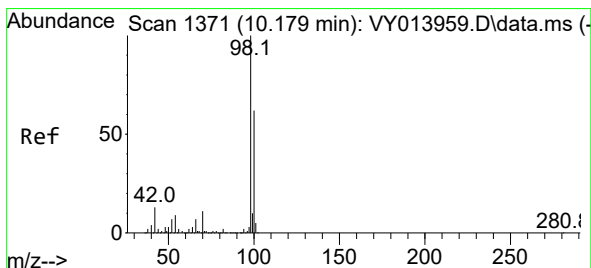
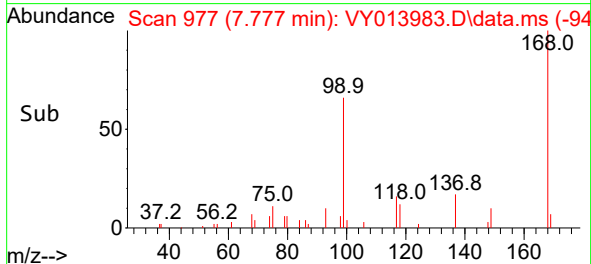
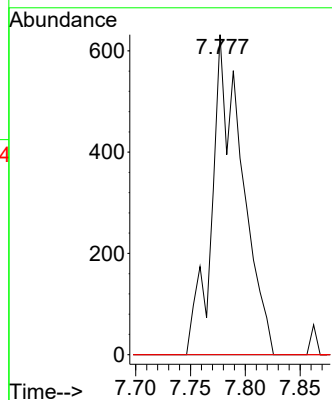


#38
Carbon Tetrachloride
Concen: 7.495 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Instrument :
MSVOA_Y
ClientSampleId :
SB05B

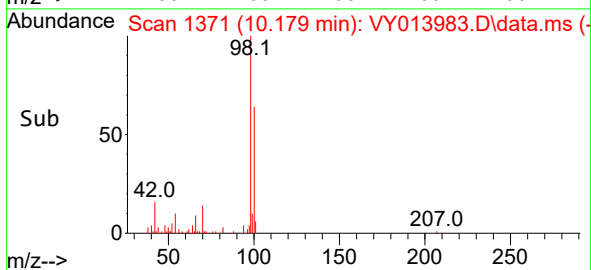
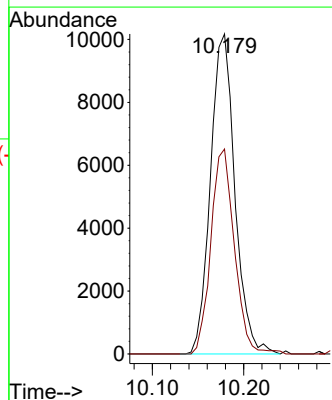
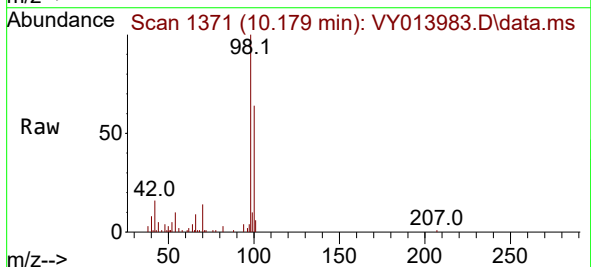


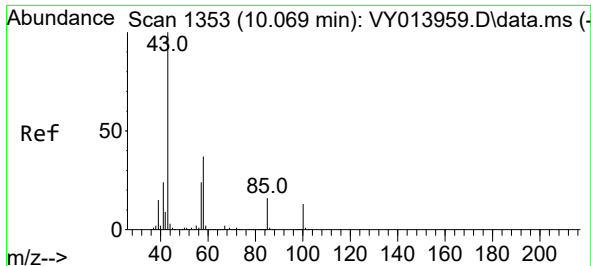
Tgt Ion:117 Resp: 1215
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.756 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Tgt Ion: 98 Resp: 18883
Ion Ratio Lower Upper
98 100
100 61.7 50.1 75.1

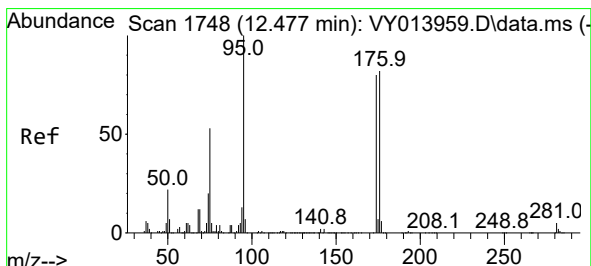
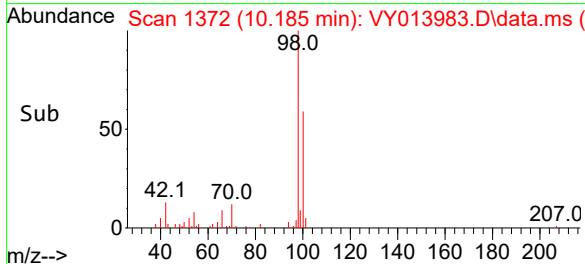
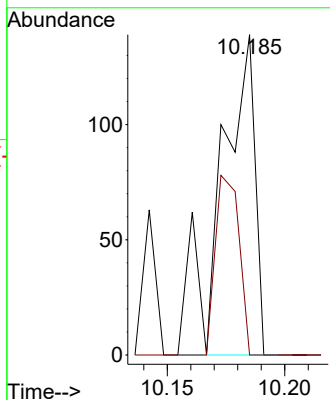
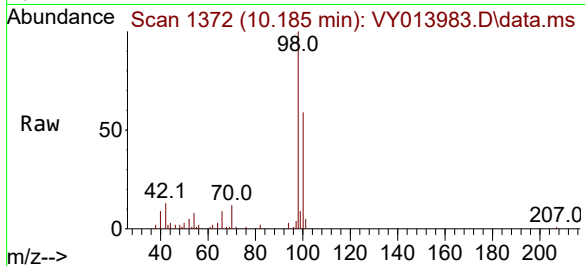




#51
4-Methyl-2-Pentanone
Concen: 1.184 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

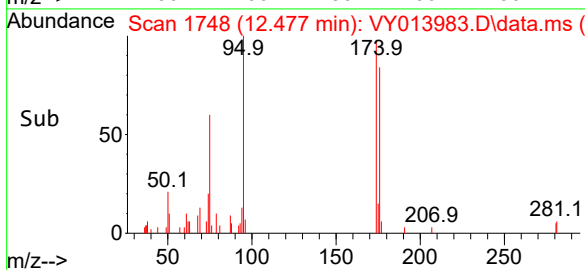
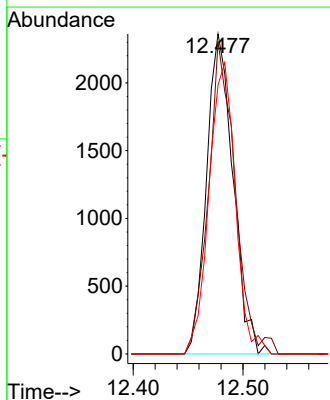
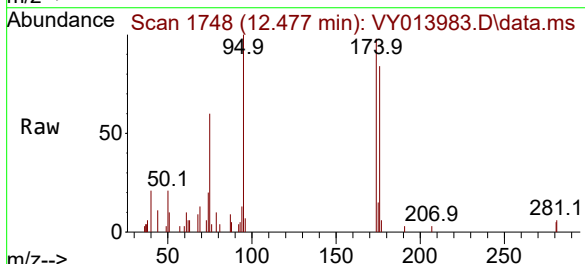
Instrument :
MSVOA_Y
ClientSampleId :
SB05B

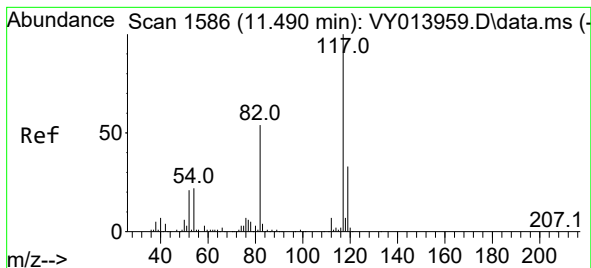
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 38.0 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 30.150 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Tgt Ion: 95 Resp: 3981
Ion Ratio Lower Upper
95 100
174 98.4 0.0 178.2
176 90.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

Instrument :

MSVOA_Y

ClientSampleId :

SB05B

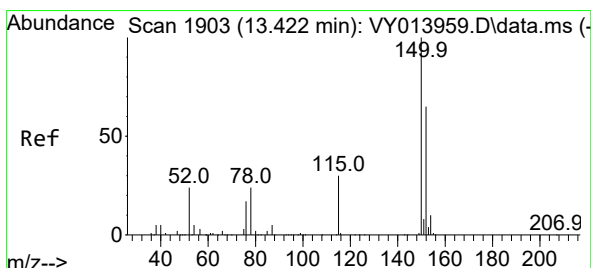
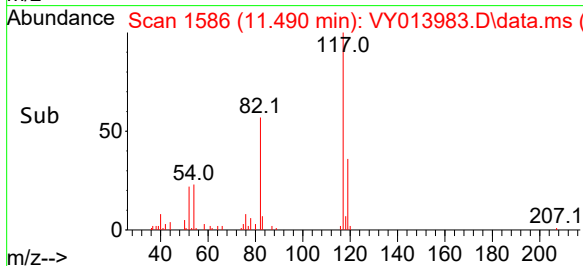
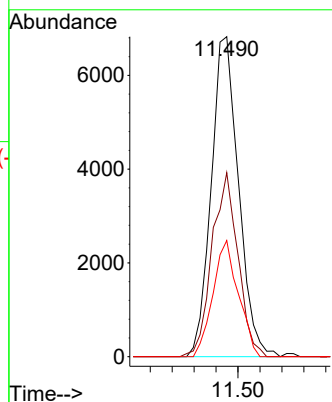
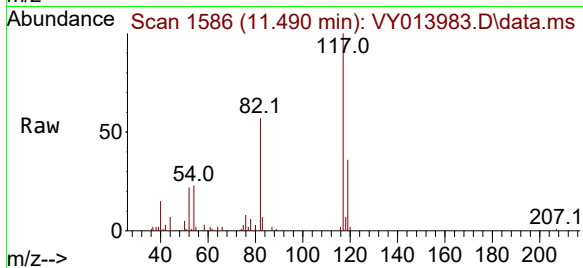
Tgt Ion:117 Resp: 11822

Ion Ratio Lower Upper

117 100

82 57.5 43.4 65.0

119 36.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

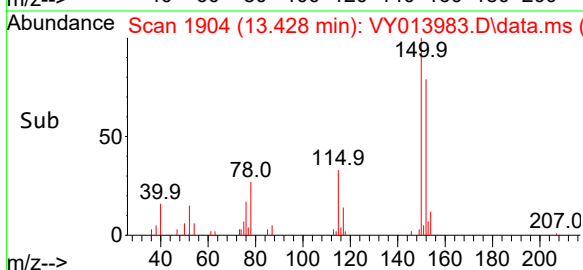
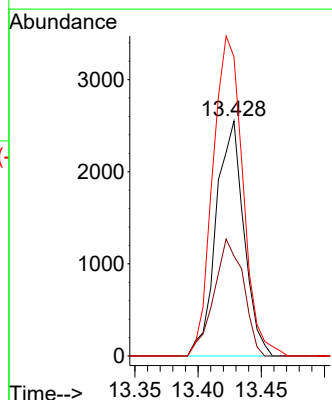
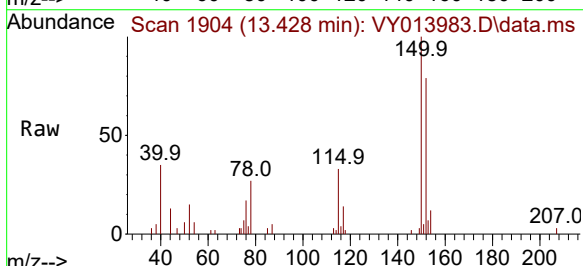
Tgt Ion:152 Resp: 3893

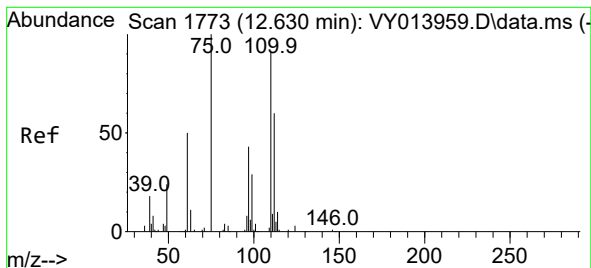
Ion Ratio Lower Upper

152 100

115 53.0 28.8 86.5

150 147.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 42.414 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

Instrument :

MSVOA_Y

ClientSampleId :

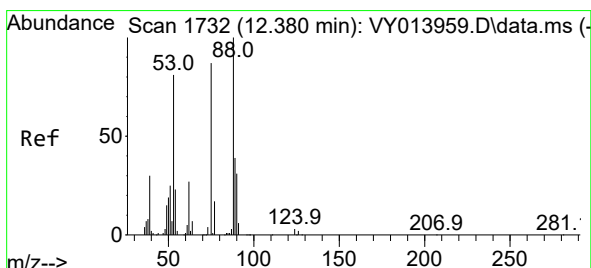
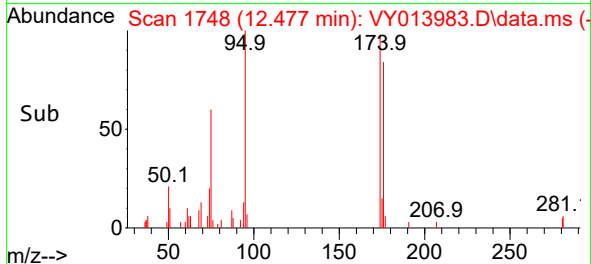
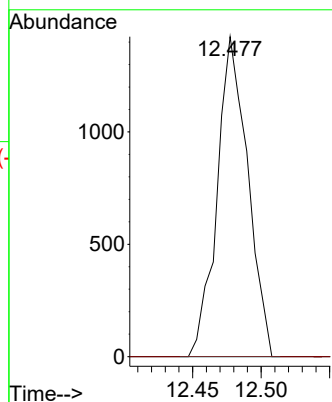
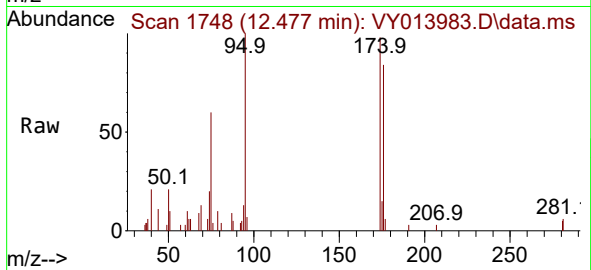
SB05B

Tgt Ion: 75 Resp: 2222

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.983 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013983.D

Acq: 02 Jun 2023 12:36

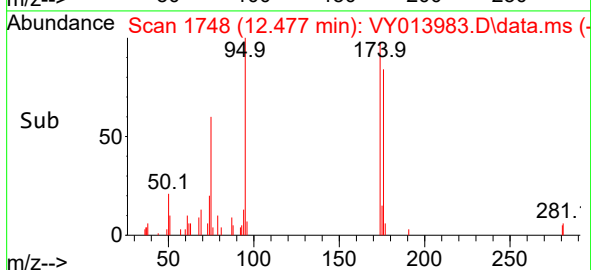
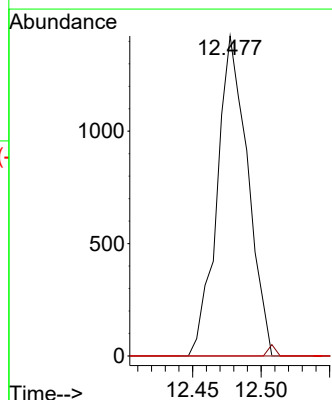
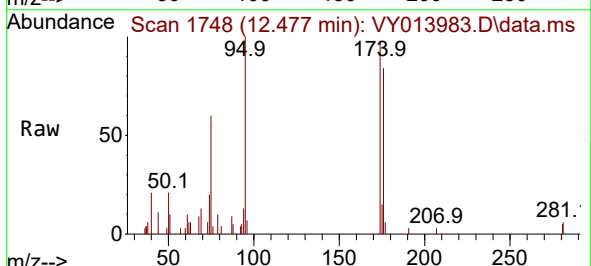
Tgt Ion: 75 Resp: 2222

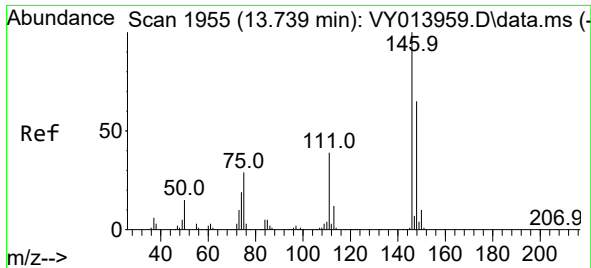
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

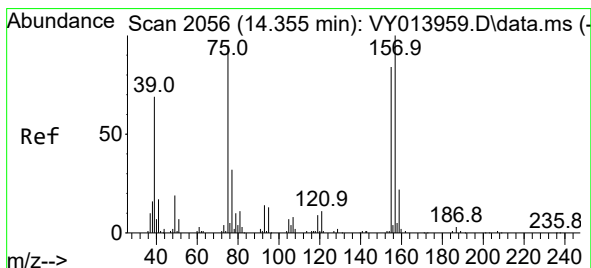
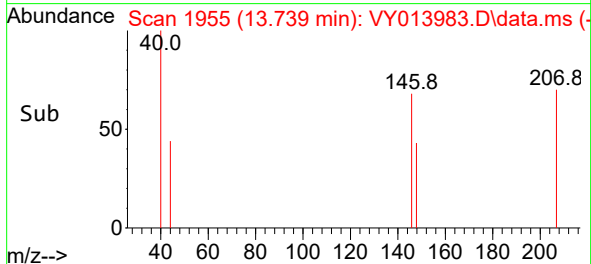
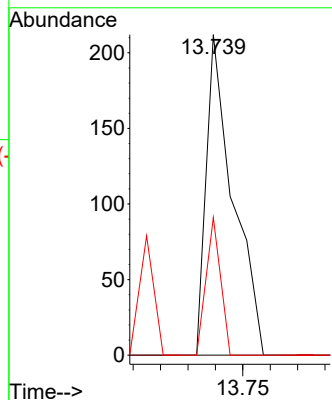
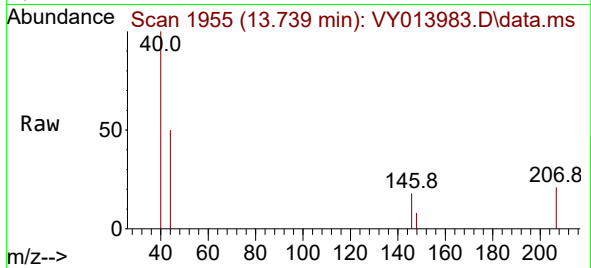




#91
 1,2-Dichlorobenzene
 Concen: 1.185 ug/l
 RT: 13.739 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VY013983.D
 Acq: 02 Jun 2023 12:36

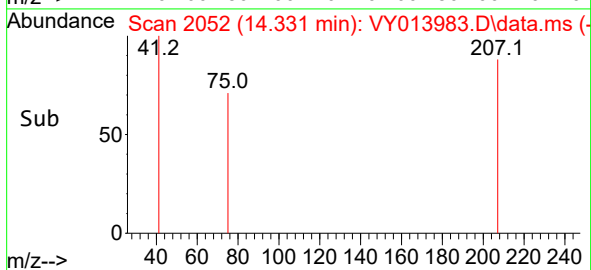
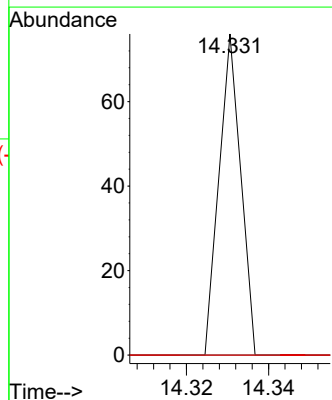
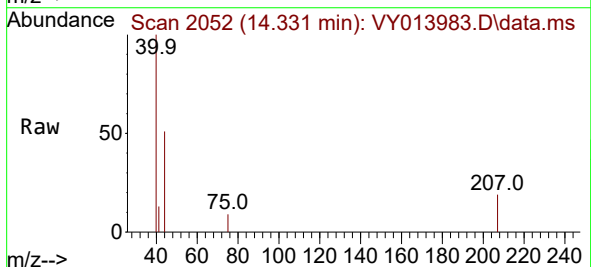
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB05B

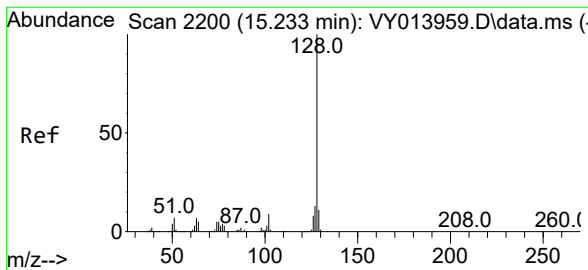
Tgt Ion:146 Resp: 144
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.7 59.0#
 148 22.9 32.0 96.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.162 ug/l
 RT: 14.331 min Scan# 2052
 Delta R.T. -0.024 min
 Lab File: VY013983.D
 Acq: 02 Jun 2023 12:36

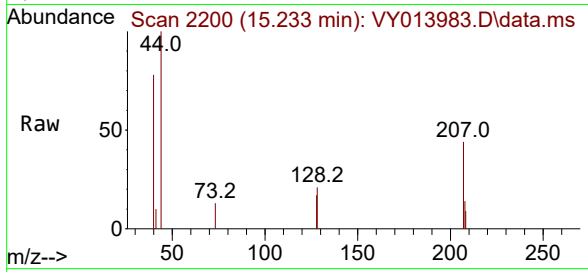
Tgt Ion: 75 Resp: 28
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 5.398 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013983.D
Acq: 02 Jun 2023 12:36

Instrument :
MSVOA_Y
ClientSampleId :
SB05B



Tgt Ion:	128	Resp:	299
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

