

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015225.D
 Acq On : 21 Aug 2023 18:08
 Operator : SY/MD
 Sample : 04086-08
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:57:10 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)

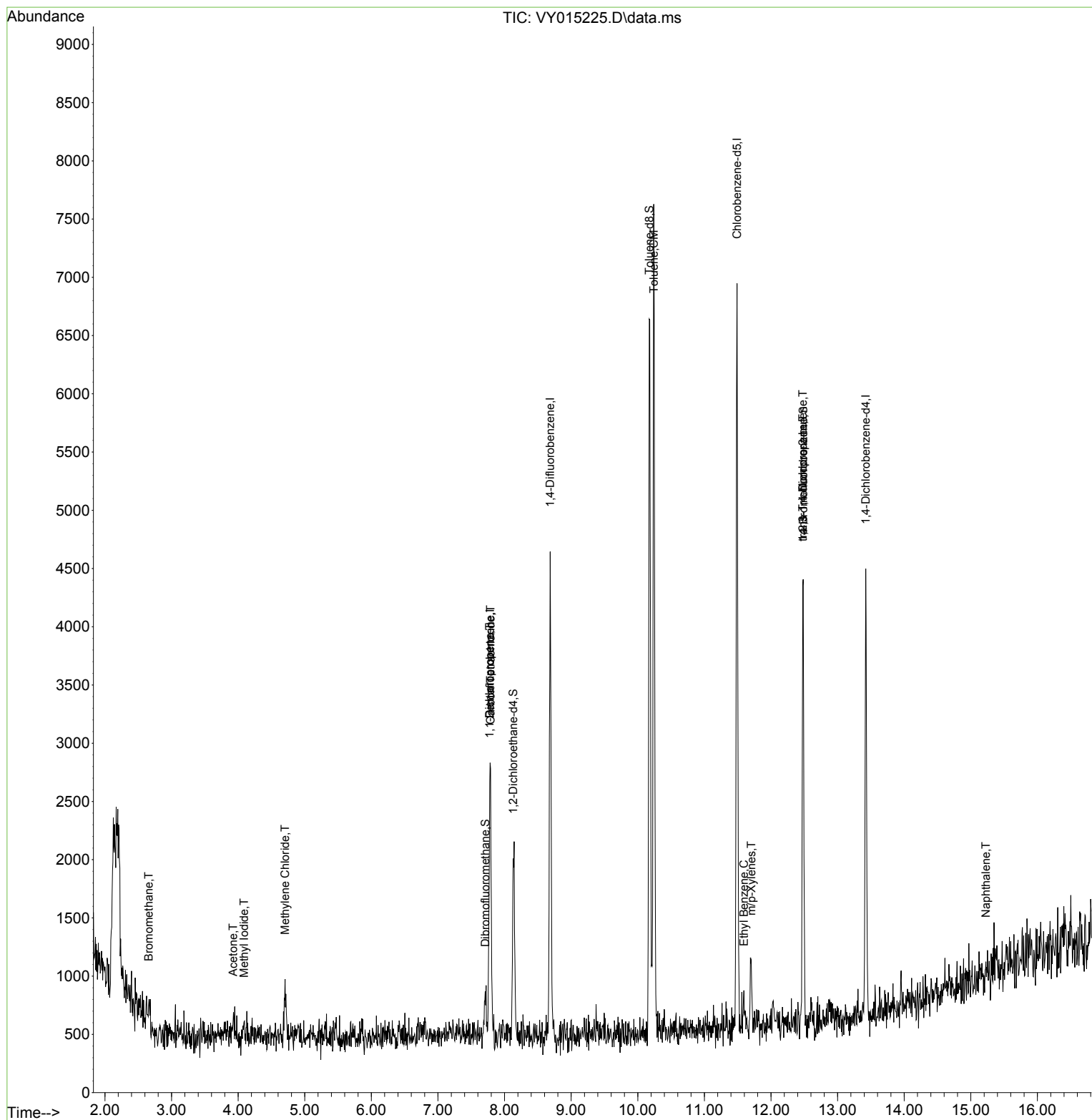
Internal Standards						
1) Pentafluorobenzene	7.783	168	2425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	4081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3895	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	1431	49.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.710	113	413	15.731	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	31.460%#
50) Toluene-d8	10.173	98	4670	47.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.483	95	1395	39.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	52	Below Cal	#	43
5) Bromomethane	2.656	94	99	5.698	ug/l #	78
10) Methyl Iodide	4.088	142	86	4.334	ug/l #	67
16) Acetone	3.924	43	243	25.553	ug/l #	46
20) Methylene Chloride	4.704	84	303	9.817	ug/l #	74
36) 1,1-Dichloropropene	7.777	75	82	2.823	ug/l #	41
38) Carbon Tetrachloride	7.789	117	138	4.014	ug/l #	12
52) Toluene	10.240	92	3089	53.369	ug/l	91
67) Ethyl Benzene	11.593	91	222	1.785	ug/l #	65
68) m/p-Xylenes	11.703	106	275	5.823	ug/l	86
76) 1,2,3-Trichloropropane	12.477	75	752	55.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	752	122.925	ug/l #	10
95) Naphthalene	15.227	128	78	1.518	ug/l #	69

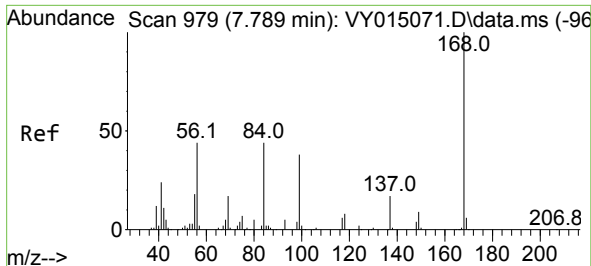
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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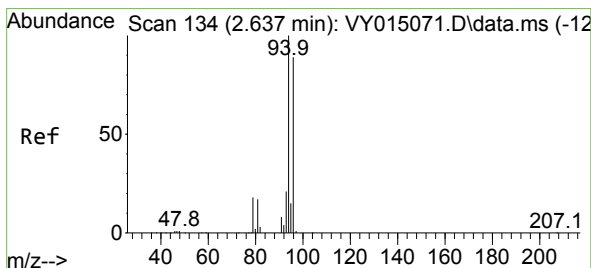
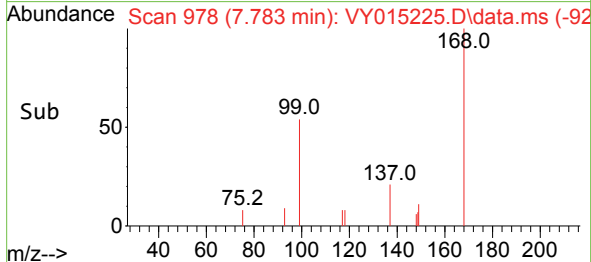
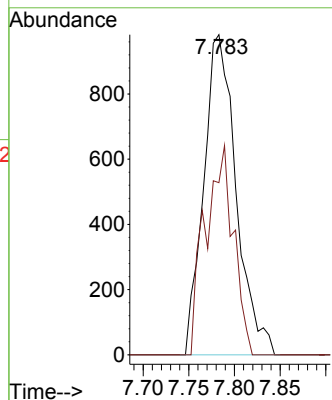
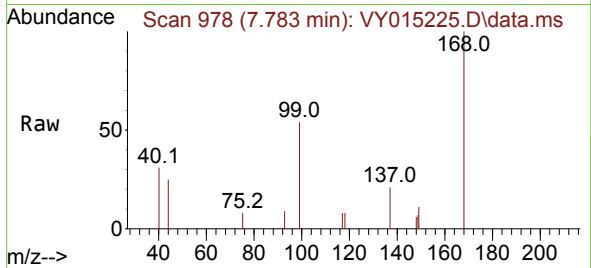




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

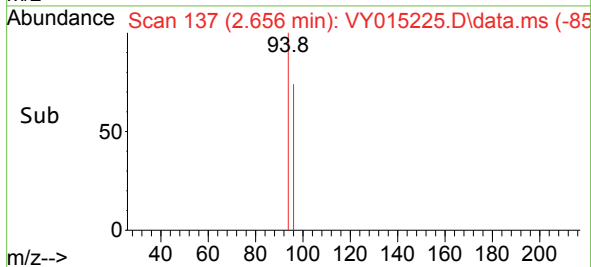
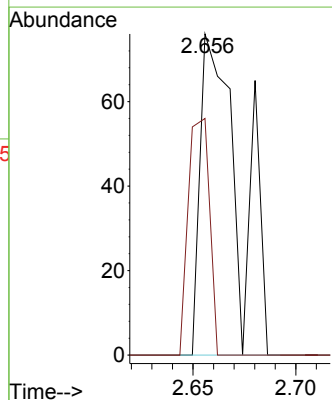
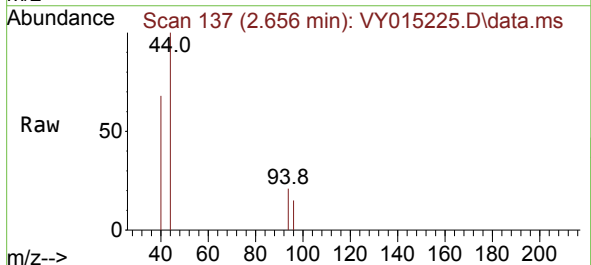
Instrument :
MSVOA_Y
ClientSampleId :

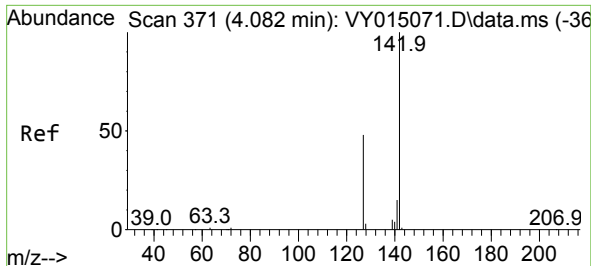
Tgt Ion:168 Resp: 2425
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#5
Bromomethane
Concen: 5.698 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

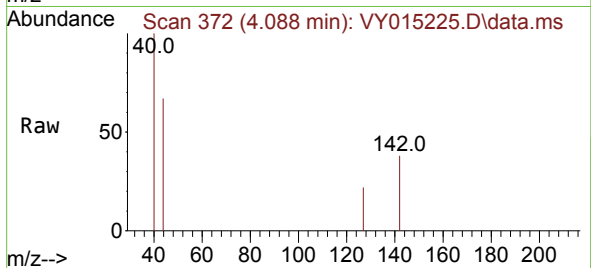
Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 73.7 75.8 113.6#



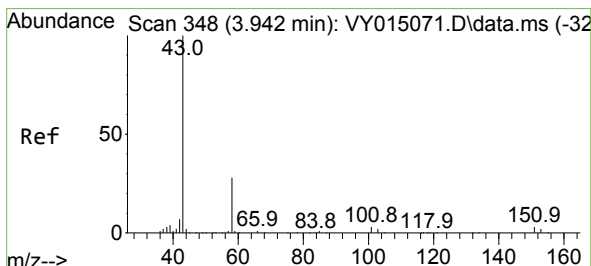
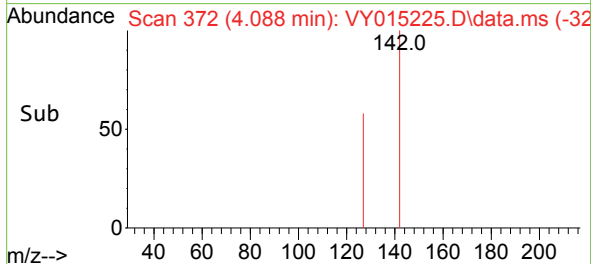
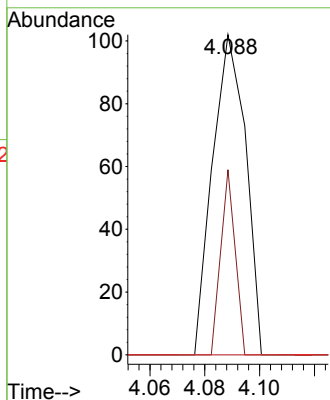


#10
Methyl Iodide
Concen: 4.334 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :

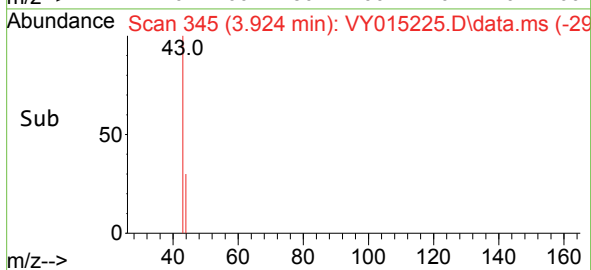
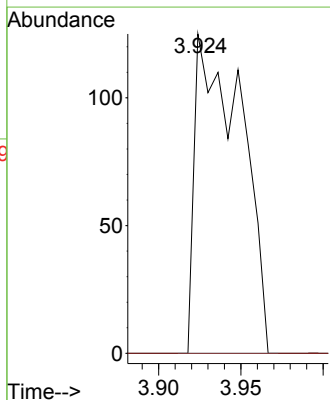
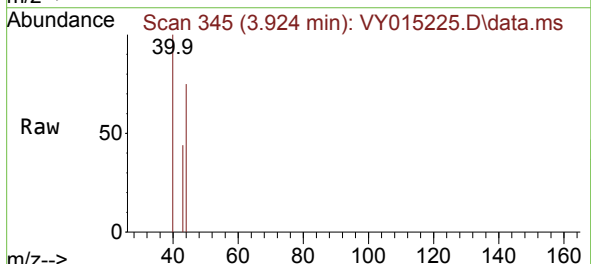


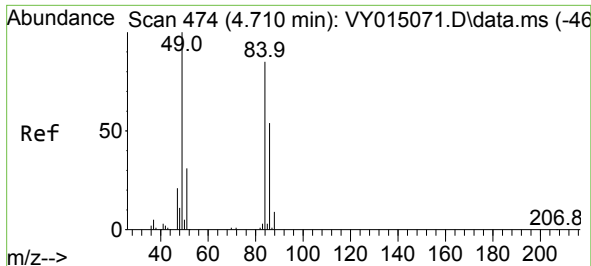
Tgt Ion:142 Resp: 86
Ion Ratio Lower Upper
142 100
127 25.6 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 25.553 ug/l
RT: 3.924 min Scan# 345
Delta R.T. -0.018 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

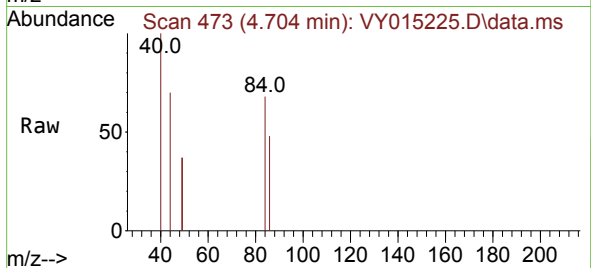
Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



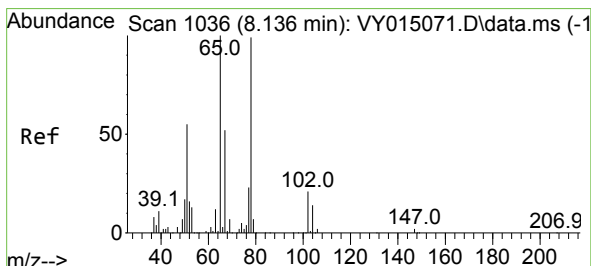
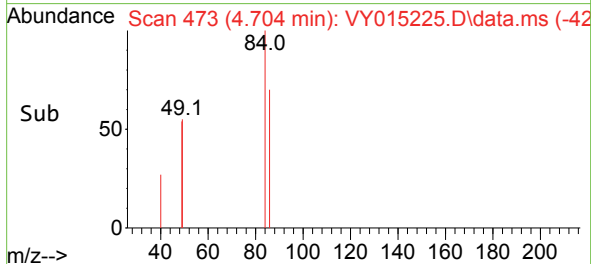
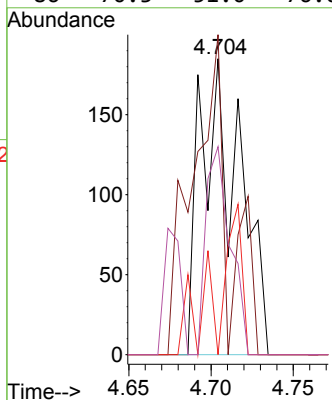


#20
Methylene Chloride
Concen: 9.817 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :

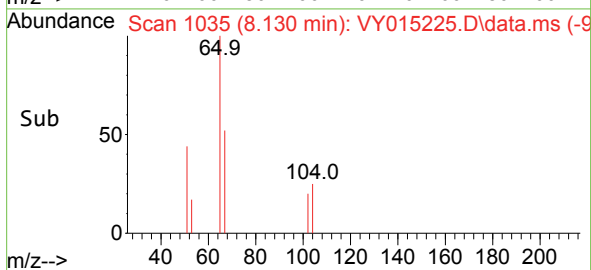
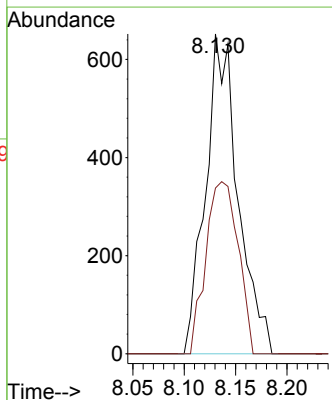
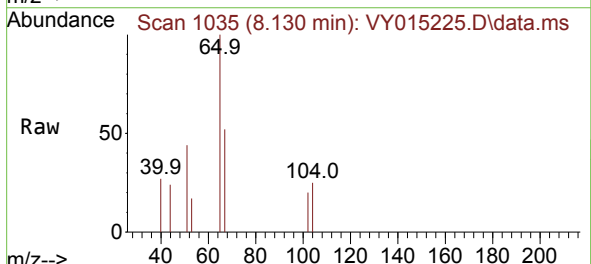


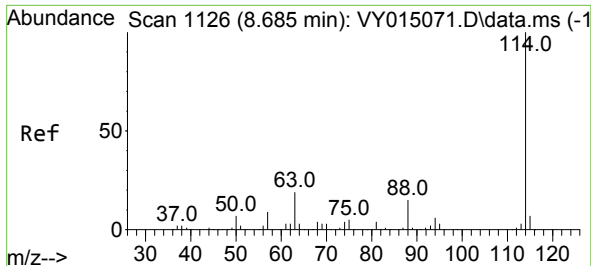
Tgt Ion: 84 Resp: 303
Ion Ratio Lower Upper
84 100
49 108.1 106.9 160.3
51 0.0 33.2 49.8#
86 70.3 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 49.159 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

Tgt Ion: 65 Resp: 1431
Ion Ratio Lower Upper
65 100
67 53.6 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: VY015225.D

Acq: 21 Aug 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

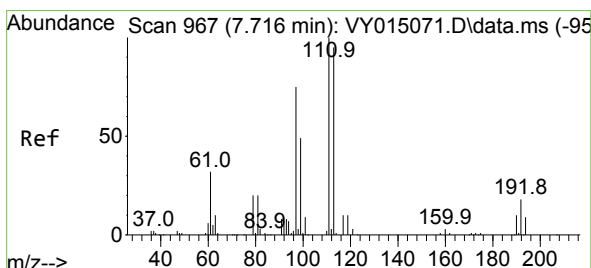
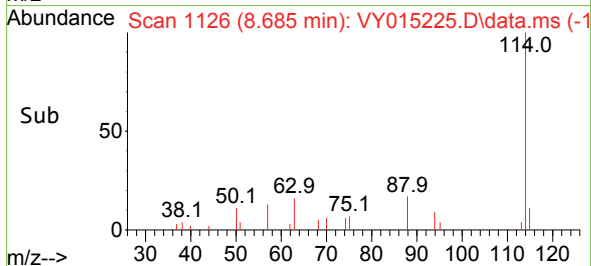
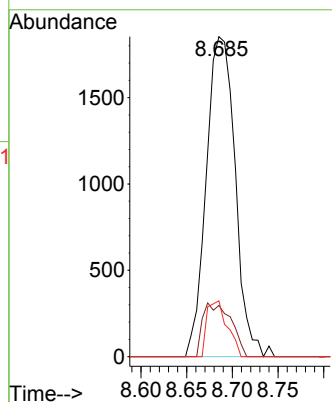
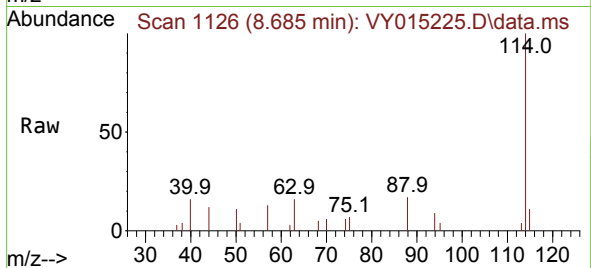
Tgt Ion:114 Resp: 4081

Ion Ratio Lower Upper

114 100

63 16.0 0.0 42.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 15.731 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015225.D

Acq: 21 Aug 2023 18:08

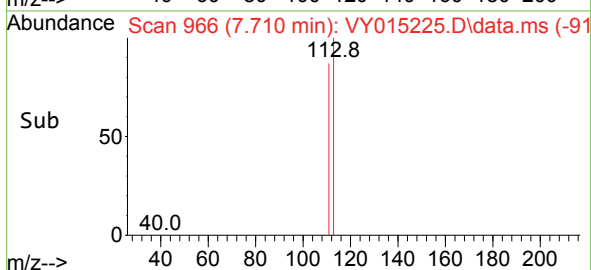
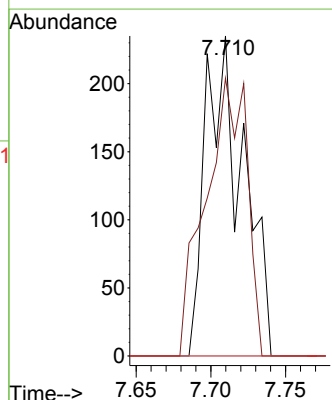
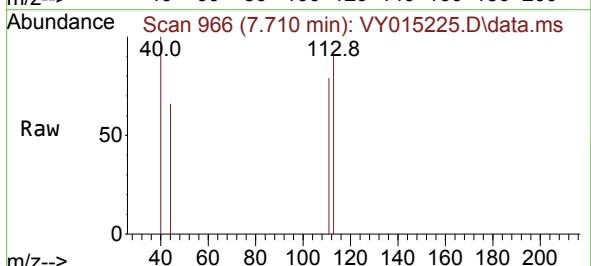
Tgt Ion:113 Resp: 413

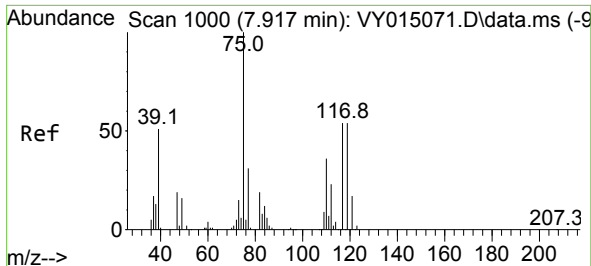
Ion Ratio Lower Upper

113 100

111 95.2 81.3 121.9

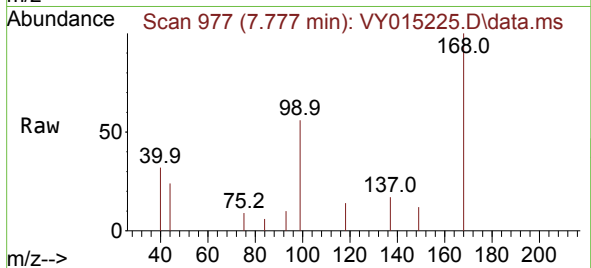
192 0.0 16.9 25.3#



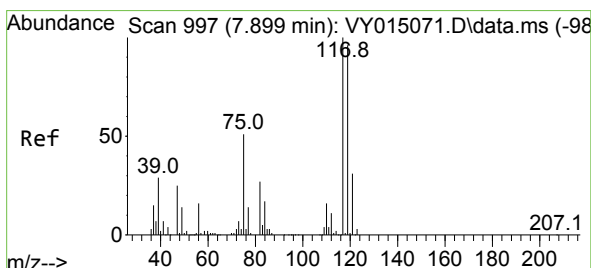
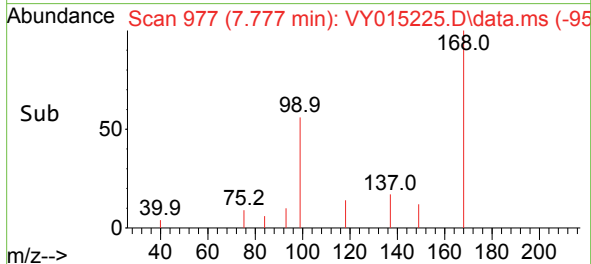
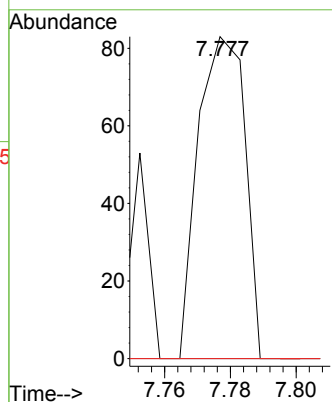


#36
 1,1-Dichloropropene
 Concen: 2.823 ug/l
 RT: 7.777 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY015225.D
 Acq: 21 Aug 2023 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :

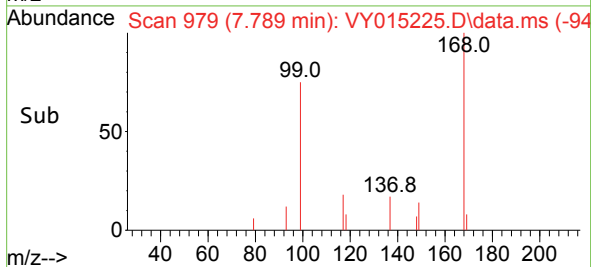
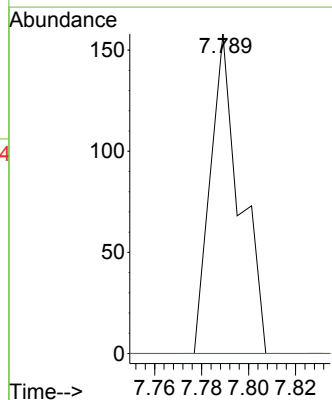
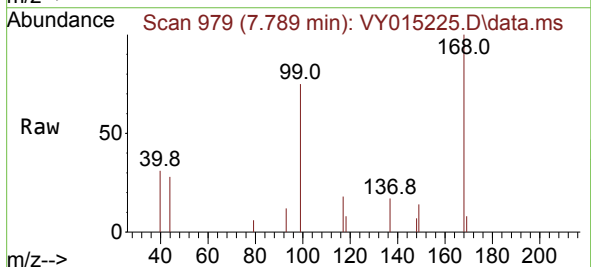


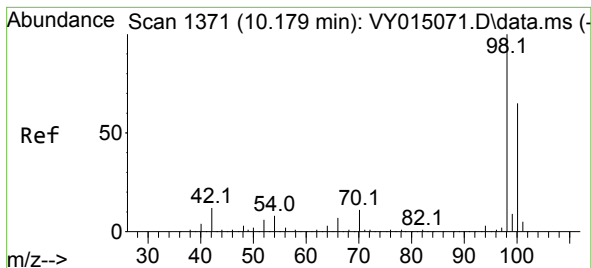
Tgt Ion: 75 Resp: 82
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.014 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY015225.D
 Acq: 21 Aug 2023 18:08

Tgt Ion: 117 Resp: 138
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 47.783 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY015225.D

Acq: 21 Aug 2023 18:08

Instrument :

MSVOA_Y

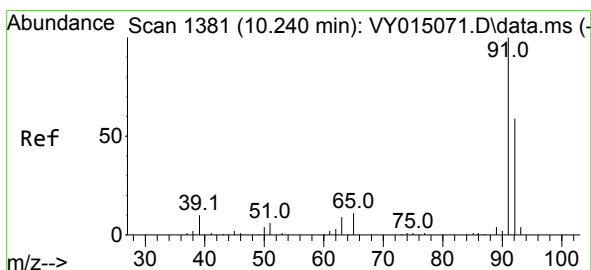
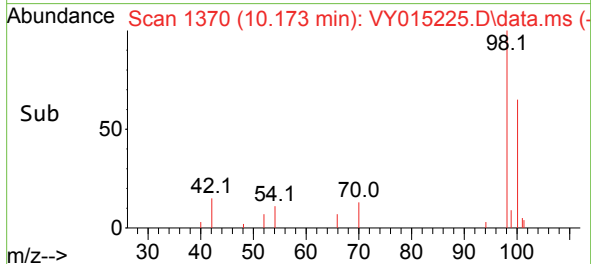
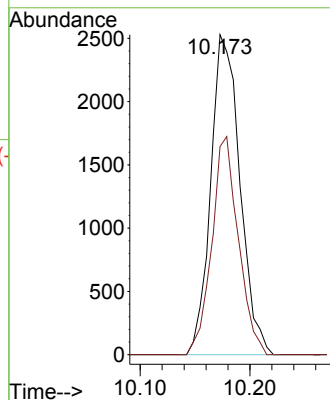
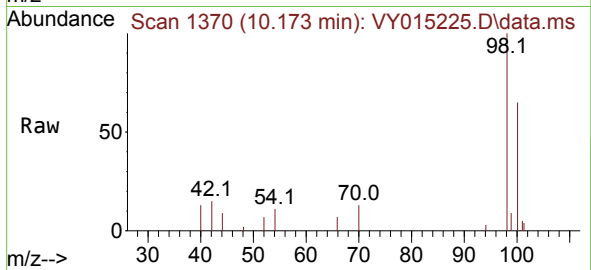
ClientSampleId :

Tgt Ion: 98 Resp: 4670

Ion Ratio Lower Upper

98 100

100 62.1 50.1 75.1



#52

Toluene

Concen: 53.369 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY015225.D

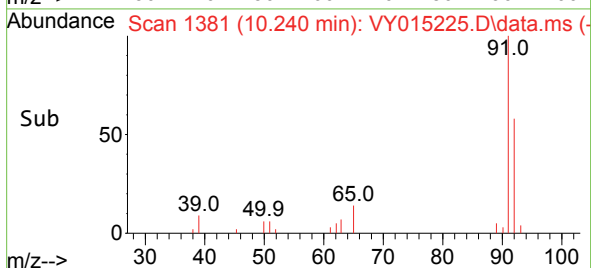
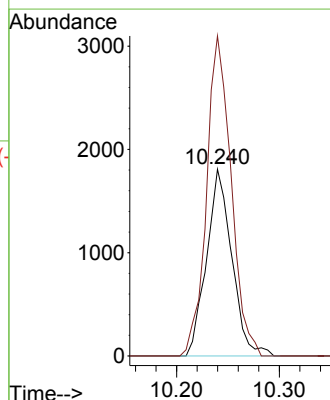
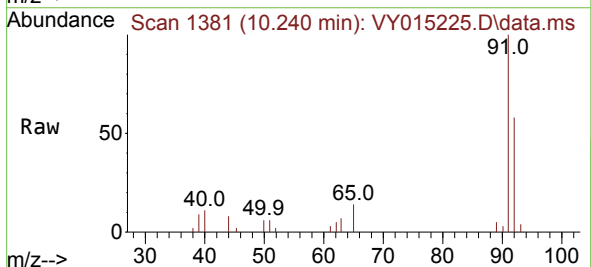
Acq: 21 Aug 2023 18:08

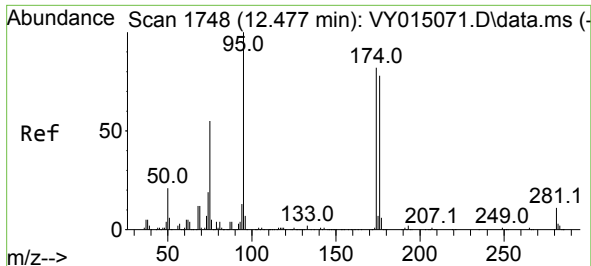
Tgt Ion: 92 Resp: 3089

Ion Ratio Lower Upper

92 100

91 166.9 143.8 215.6

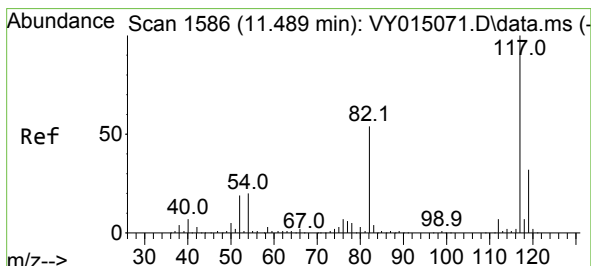
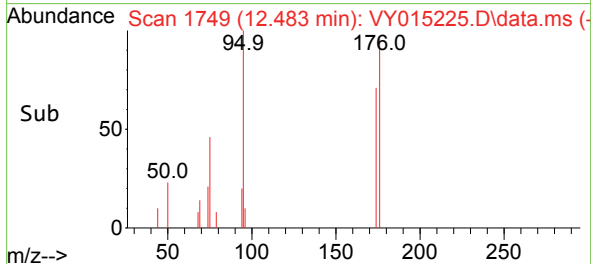
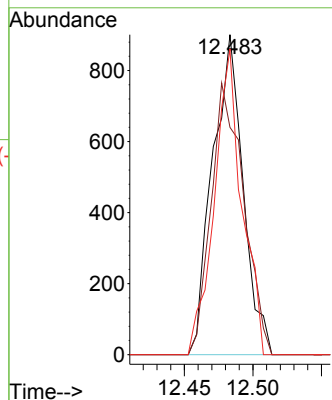
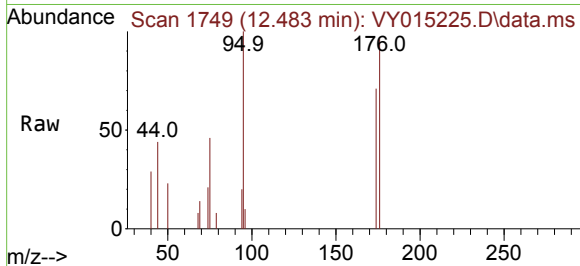




#62
4-Bromofluorobenzene
Concen: 39.079 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

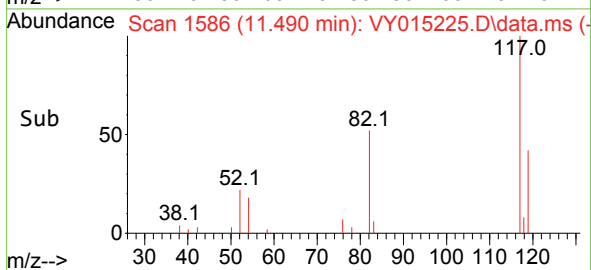
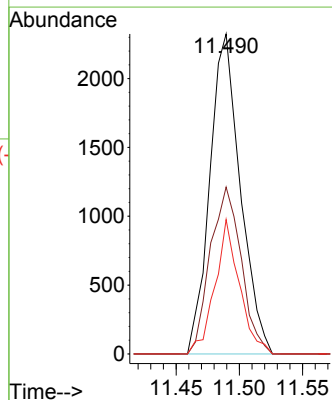
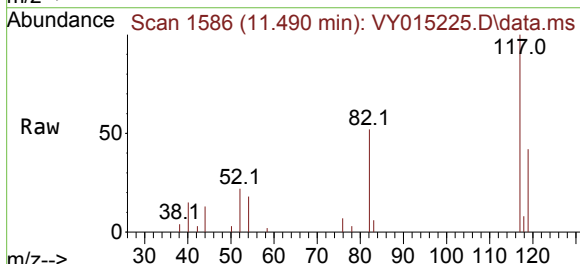
Instrument :
MSVOA_Y
ClientSampleId :

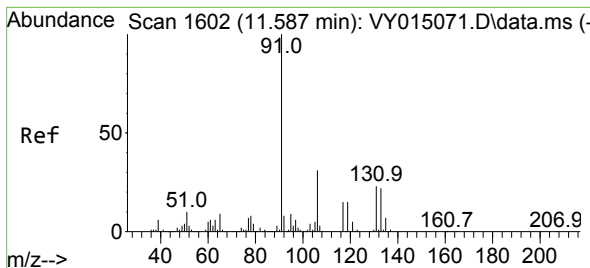
Tgt Ion: 95 Resp: 1395
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.2
176 86.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

Tgt Ion: 117 Resp: 3895
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 42.0 26.3 39.5#





#67

Ethyl Benzene

Concen: 1.785 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015225.D

Acq: 21 Aug 2023 18:08

Instrument :

MSVOA_Y

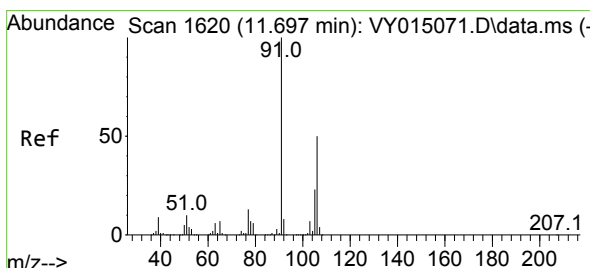
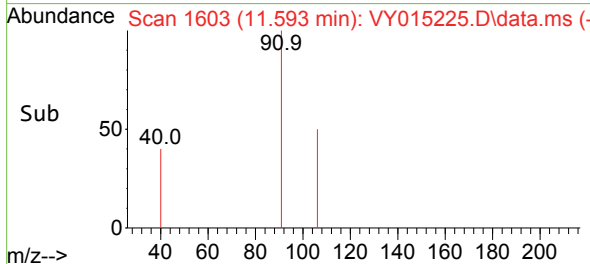
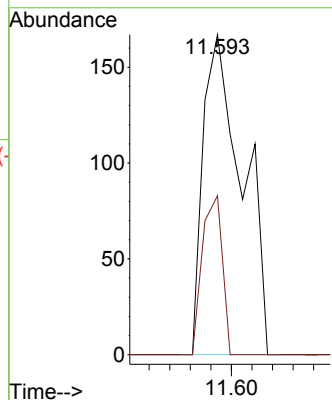
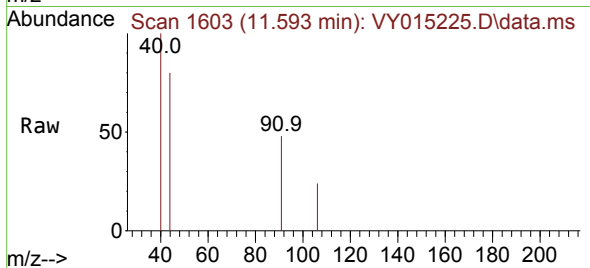
ClientSampleId :

Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

91 100

106 49.7 24.6 36.8#



#68

m/p-Xylenes

Concen: 5.823 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY015225.D

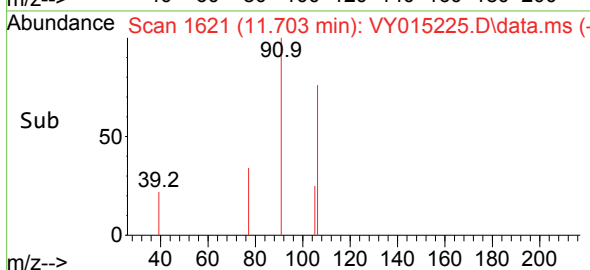
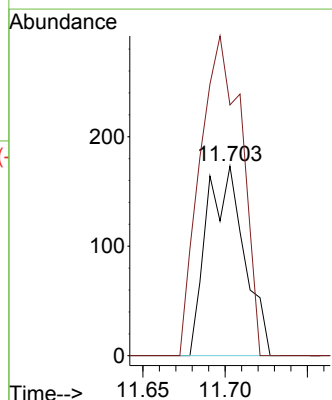
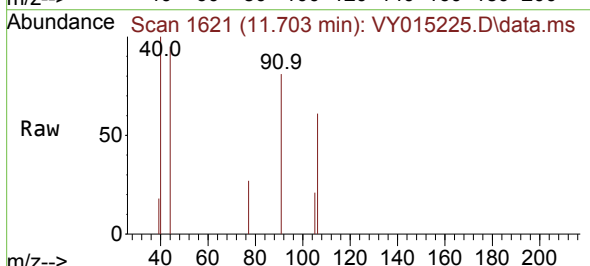
Acq: 21 Aug 2023 18:08

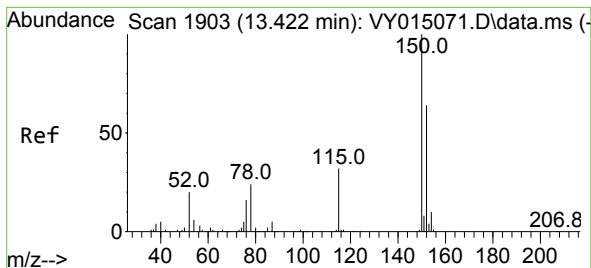
Tgt Ion: 106 Resp: 275

Ion Ratio Lower Upper

106 100

91 186.5 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015225.D

Acq: 21 Aug 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

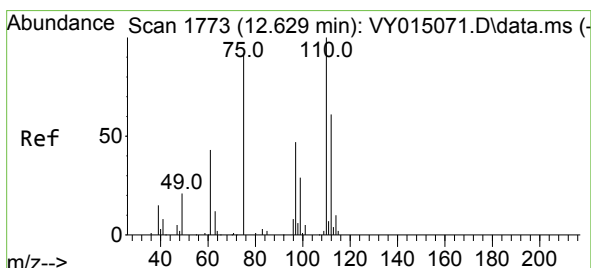
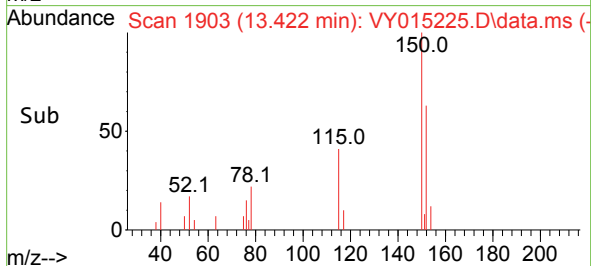
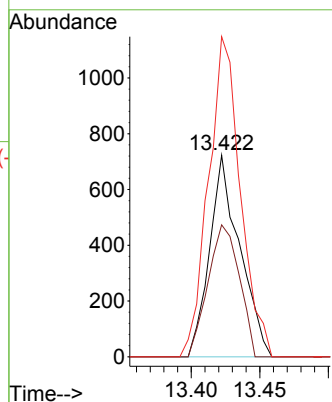
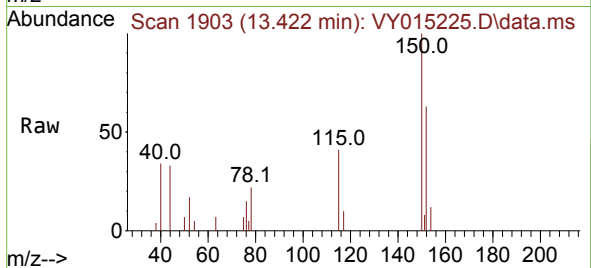
Tgt Ion:152 Resp: 1106

Ion Ratio Lower Upper

152 100

115 67.8 28.8 86.5

150 168.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 55.965 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015225.D

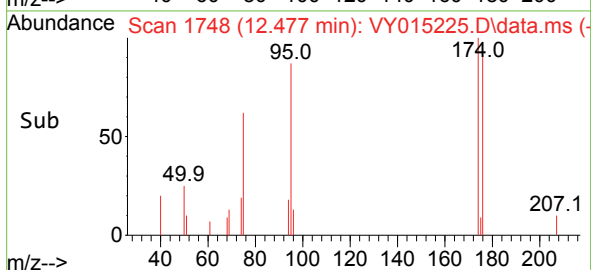
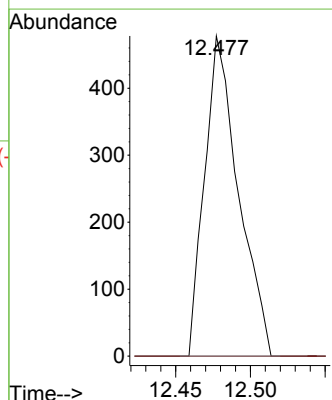
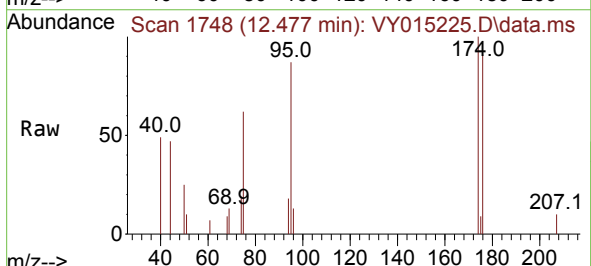
Acq: 21 Aug 2023 18:08

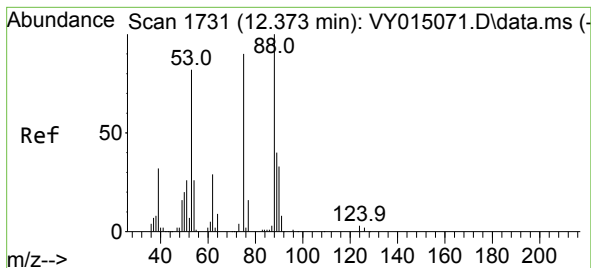
Tgt Ion: 75 Resp: 752

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

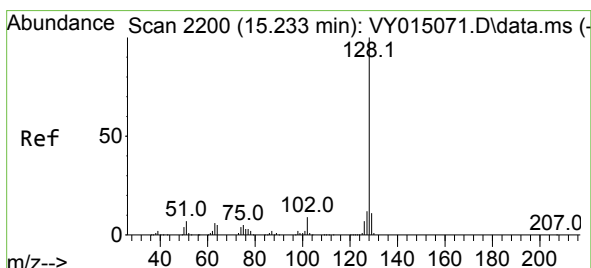
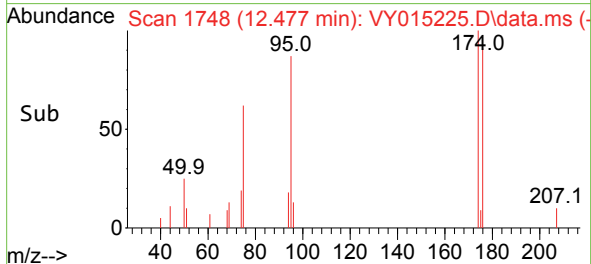
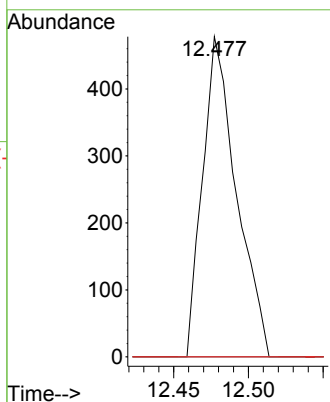
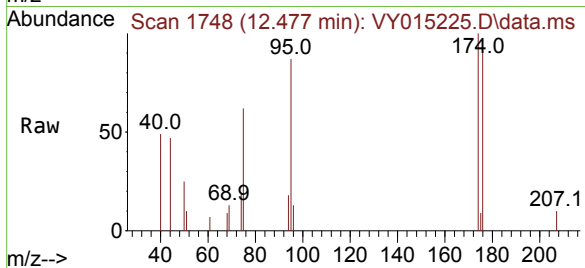




#81
trans-1,4-Dichloro-2-butene
Concen: 122.925 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 752
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.518 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY015225.D
Acq: 21 Aug 2023 18:08

Tgt Ion: 128 Resp: 78
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

