

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015051.D
 Acq On : 11 Aug 2023 11:59
 Operator : SY/MD
 Sample : 03971-04
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 12 04:18:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

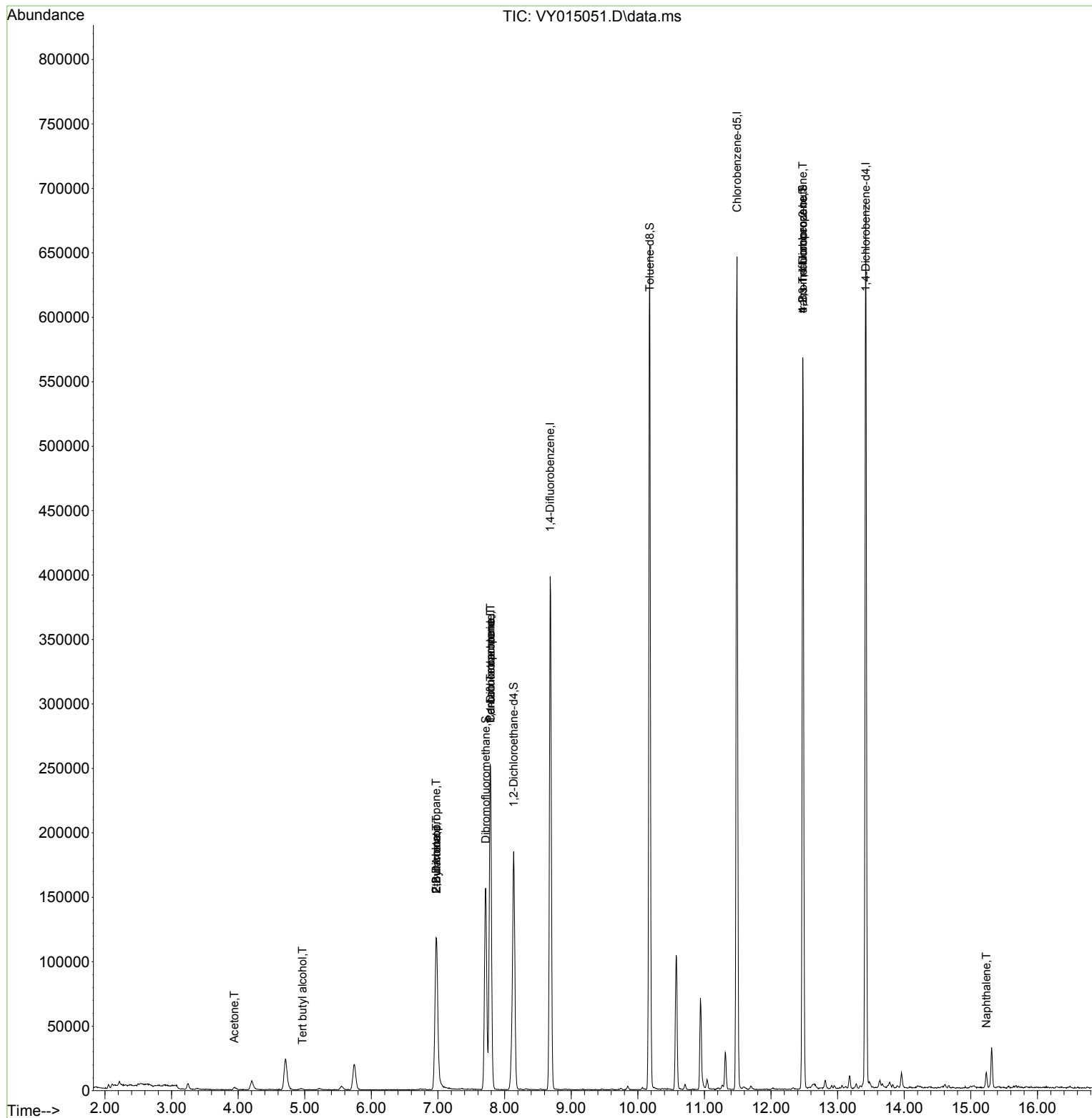
Internal Standards						
1) Pentafluorobenzene	7.789	168	204939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	132430	53.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.620%	
35) Dibromofluoromethane	7.716	113	109105	49.017	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.040%	
50) Toluene-d8	10.179	98	412485	48.687	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.477	95	160314	53.390	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.780%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	140	Below Cal	#	43
5) Bromomethane	2.650	94	455	Below Cal	#	79
11) Tert butyl alcohol	4.966	59	985	1.643	ug/l #	89
16) Acetone	3.942	43	3226	4.165	ug/l	97
20) Methylene Chloride	4.710	84	17792	Below Cal	#	84
25) 2-Butanone	6.978	43	6667	6.010	ug/l #	71
26) 2,2-Dichloropropane	6.972	77	9183	2.546	ug/l #	54
31) Cyclohexane	7.789	56	4153	Below Cal	#	2
36) 1,1-Dichloropropene	7.789	75	15241	5.515	ug/l #	50
37) Ethyl Acetate	6.978	43	6667	3.039	ug/l #	1
38) Carbon Tetrachloride	7.789	117	20528	6.608	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	85531	41.081	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	85531	90.502	ug/l #	11
95) Naphthalene	15.233	128	9454	1.227	ug/l #	95

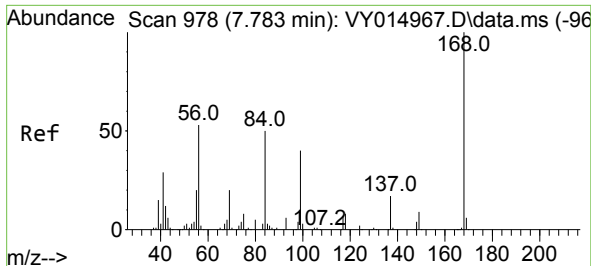
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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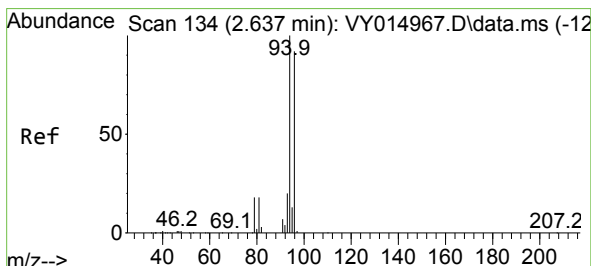
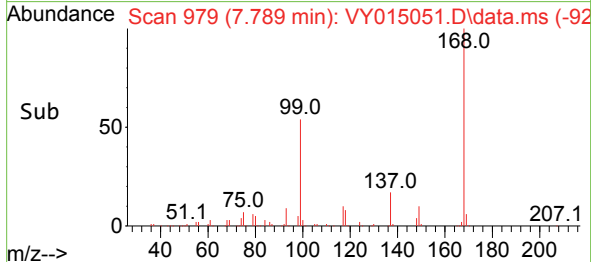
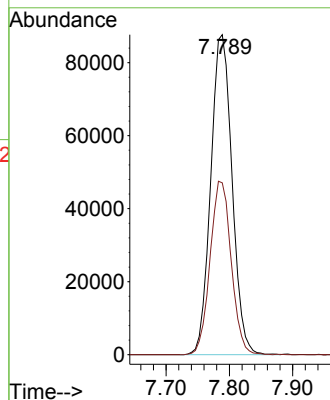
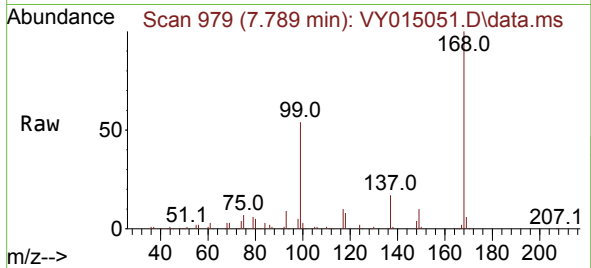




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

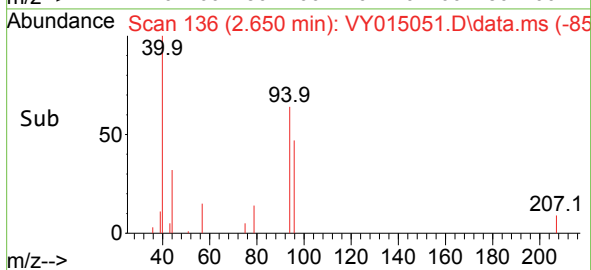
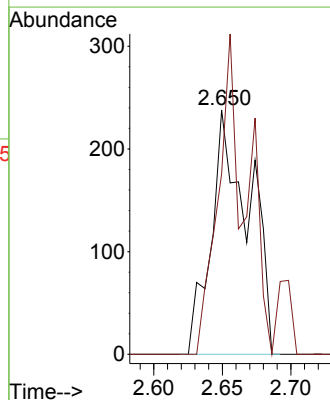
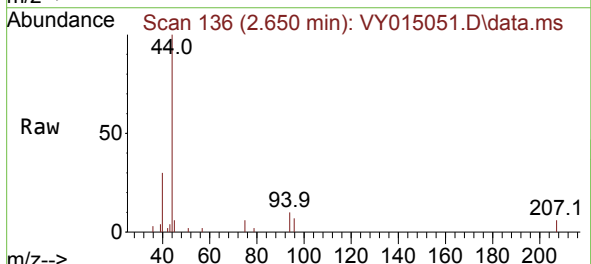
Instrument :
MSVOA_Y
ClientSampleId :

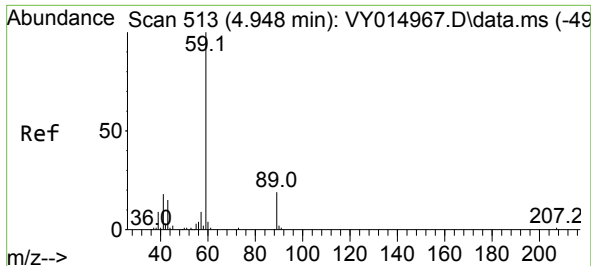
Tgt Ion:168 Resp: 204939
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

Tgt Ion: 94 Resp: 455
Ion Ratio Lower Upper
94 100
96 73.9 75.8 113.6#





#11

Tert butyl alcohol

Concen: 1.643 ug/l

RT: 4.966 min Scan# 513

Delta R.T. 0.018 min

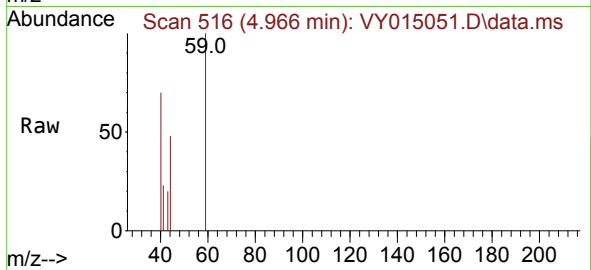
Lab File: VY015051.D

Acq: 11 Aug 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

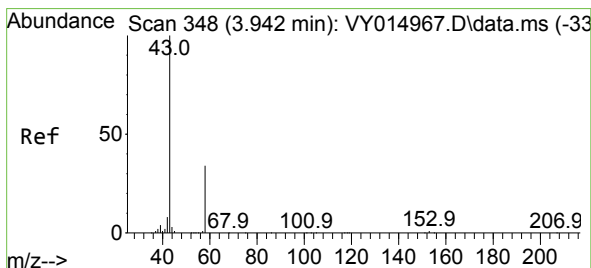
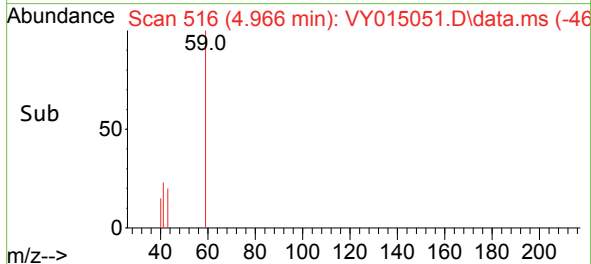
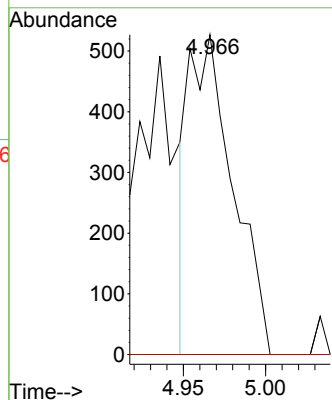


Tgt Ion: 59 Resp: 985

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 4.165 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY015051.D

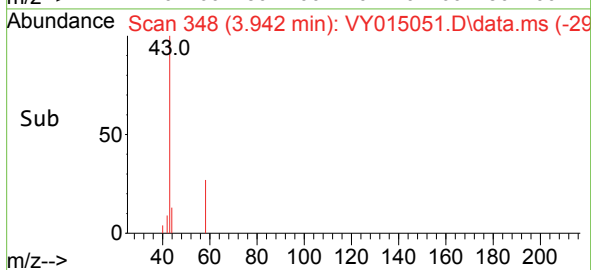
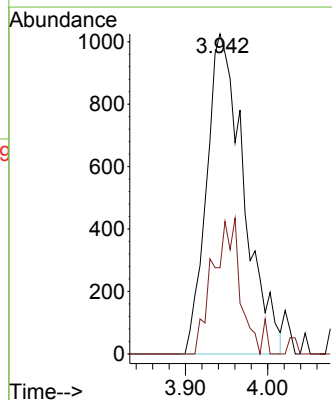
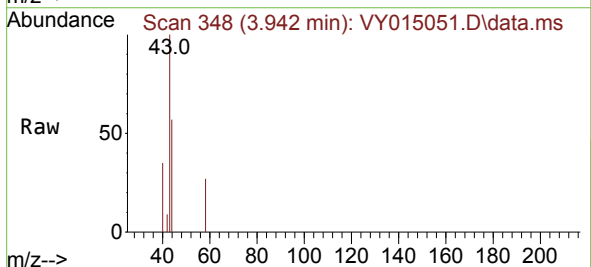
Acq: 11 Aug 2023 11:59

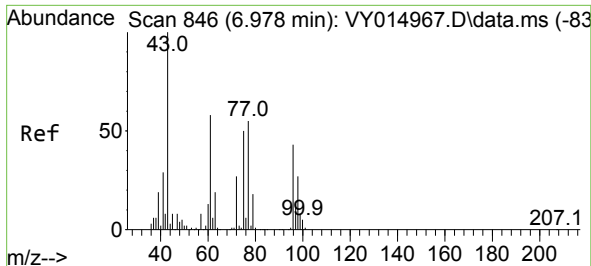
Tgt Ion: 43 Resp: 3226

Ion Ratio Lower Upper

43 100

58 26.9 22.7 34.1

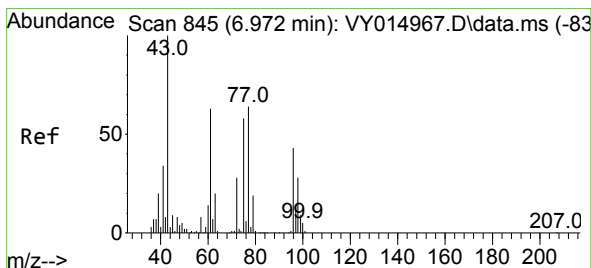
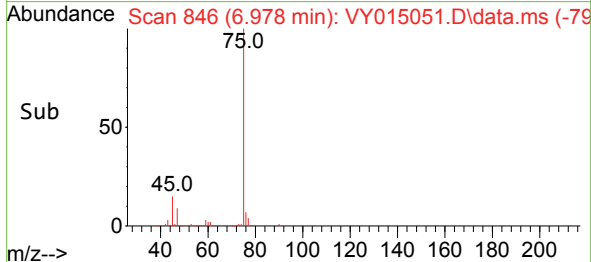
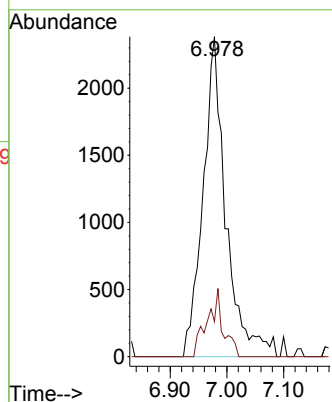
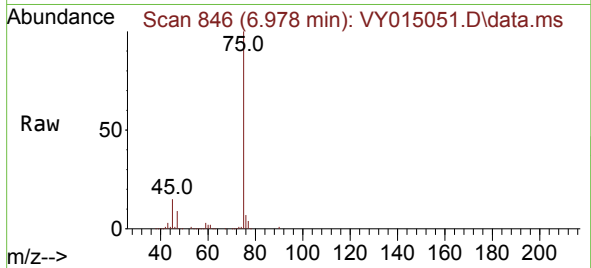




#25
2-Butanone
Concen: 6.010 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

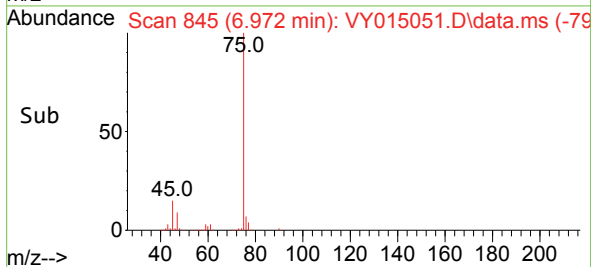
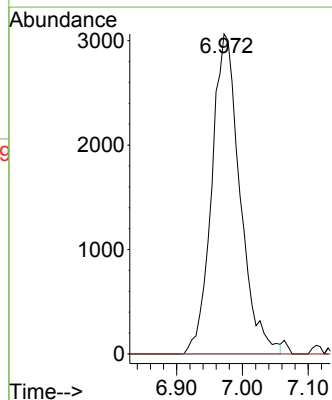
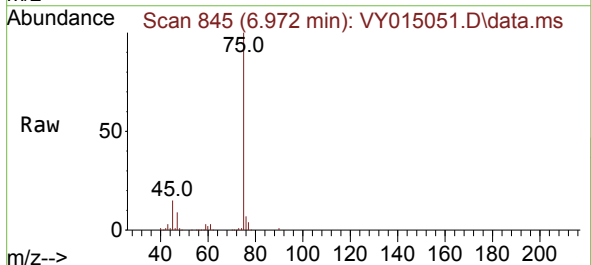
Instrument :
MSVOA_Y
ClientSampleId :

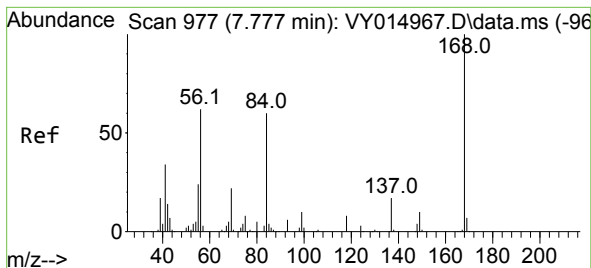
Tgt Ion: 43 Resp: 6667
Ion Ratio Lower Upper
43 100
72 10.9 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.546 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

Tgt Ion: 77 Resp: 9183
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015051.D

Acq: 11 Aug 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

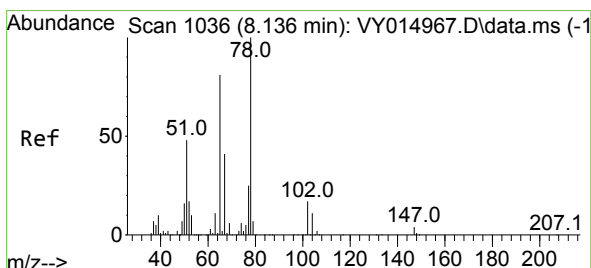
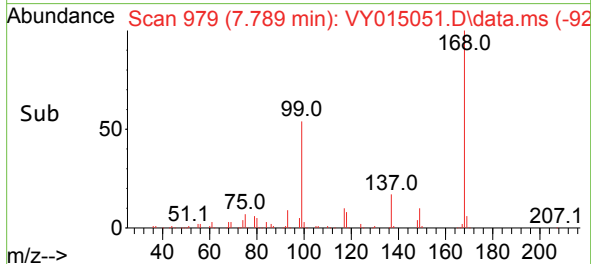
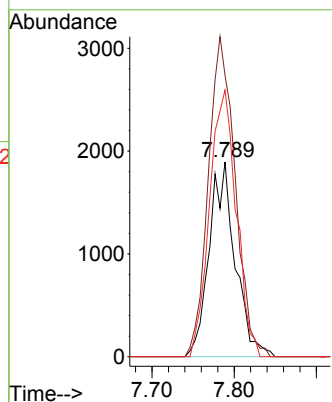
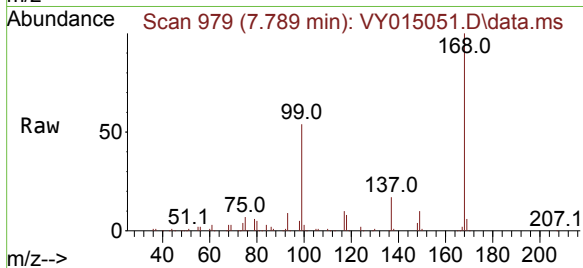
Tgt Ion: 56 Resp: 4153

Ion Ratio Lower Upper

56 100

69 144.6 27.8 41.6#

84 136.9 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 53.315 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015051.D

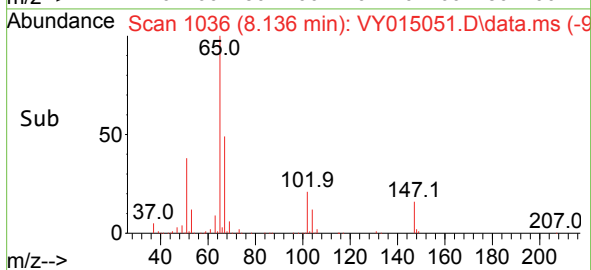
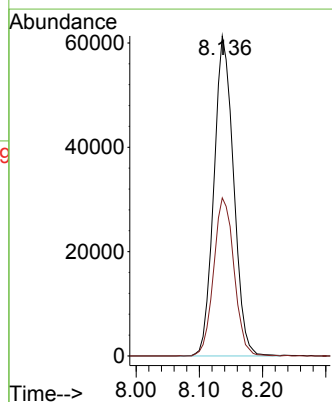
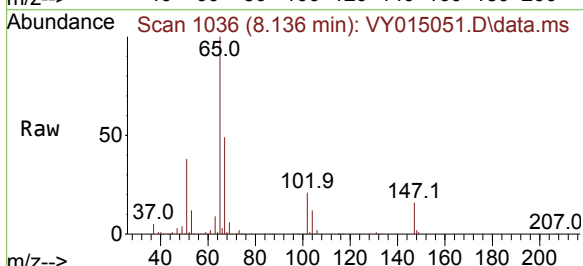
Acq: 11 Aug 2023 11:59

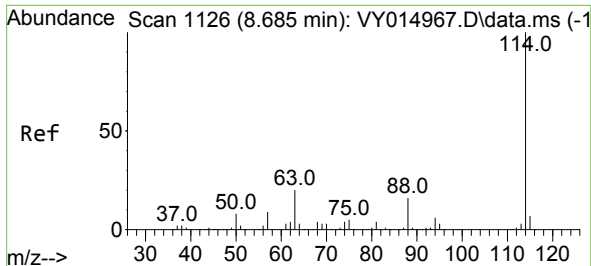
Tgt Ion: 65 Resp: 132430

Ion Ratio Lower Upper

65 100

67 51.3 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: VY015051.D

Acq: 11 Aug 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

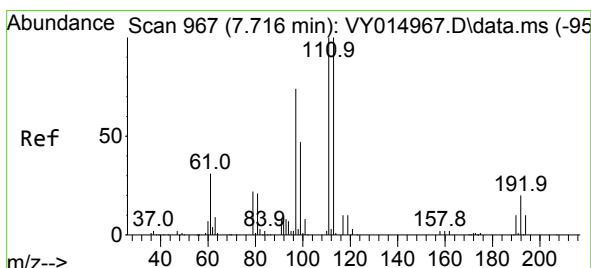
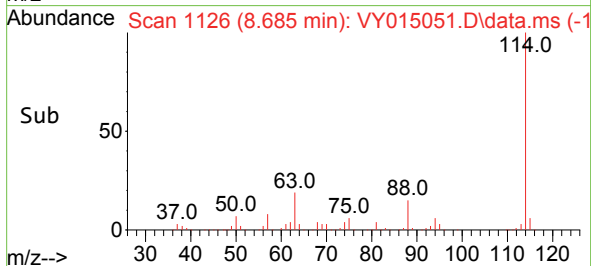
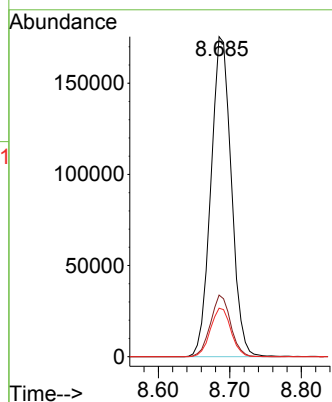
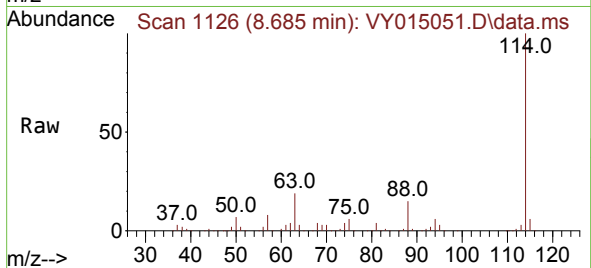
Tgt Ion:114 Resp: 348077

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.017 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015051.D

Acq: 11 Aug 2023 11:59

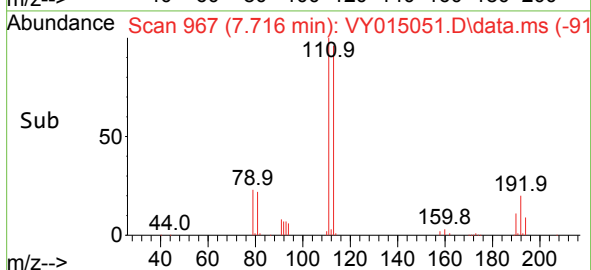
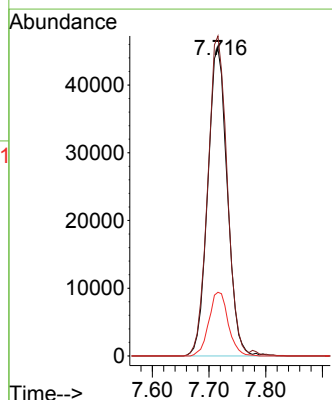
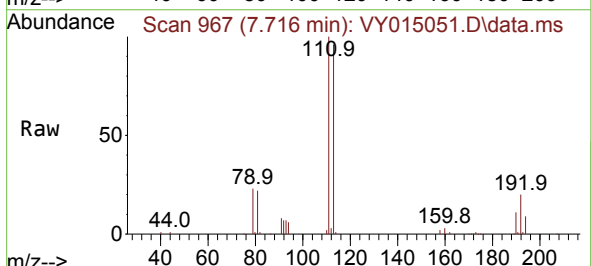
Tgt Ion:113 Resp: 109105

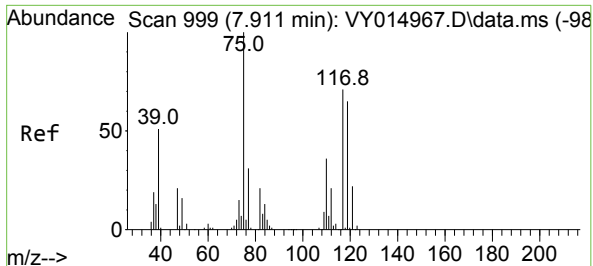
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 20.5 16.9 25.3

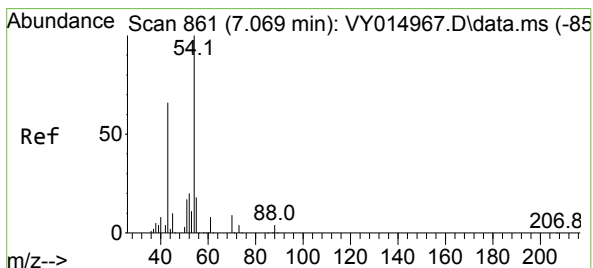
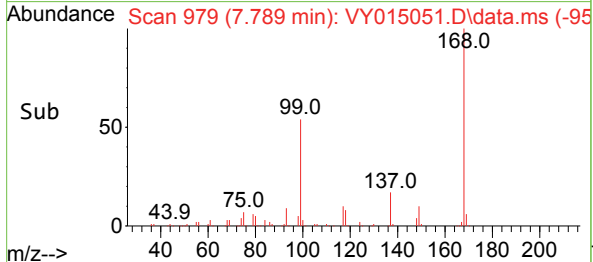
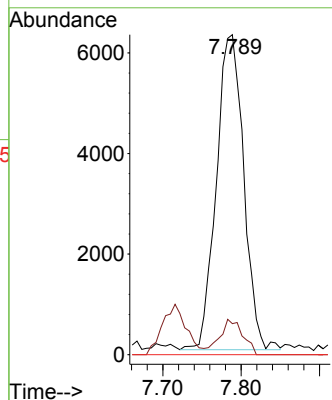
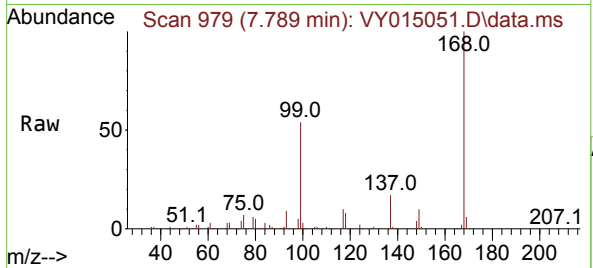




#36
1,1-Dichloropropene
Concen: 5.515 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

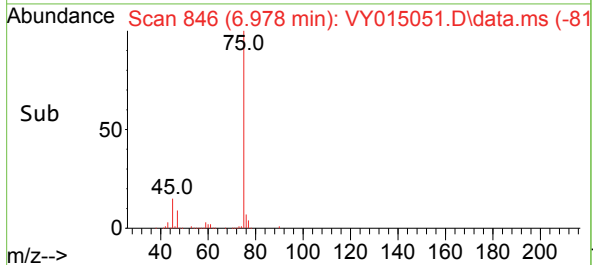
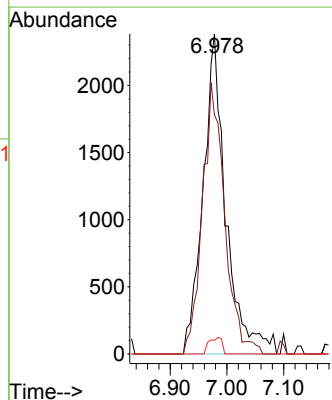
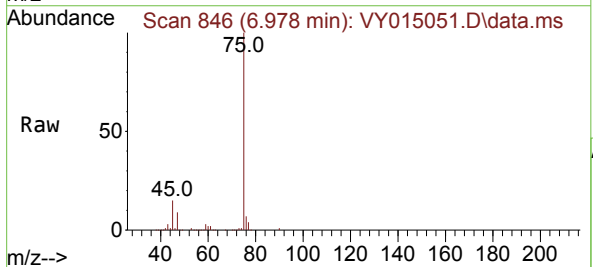
Instrument :
MSVOA_Y
ClientSampleId :

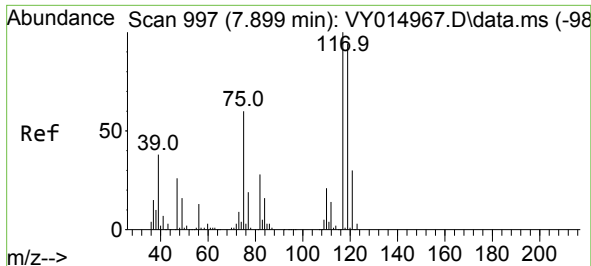
Tgt Ion: 75 Resp: 15241
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.039 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

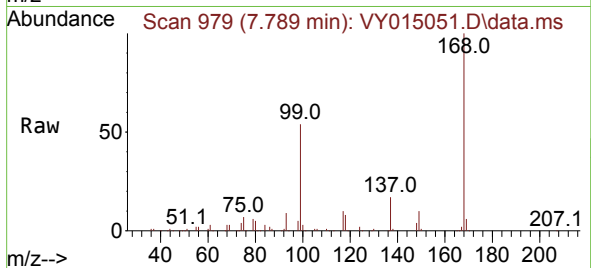
Tgt Ion: 43 Resp: 6667
Ion Ratio Lower Upper
43 100
61 82.8 10.1 15.1#
70 2.9 7.1 10.7#



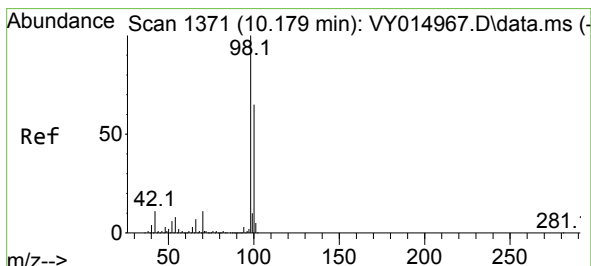
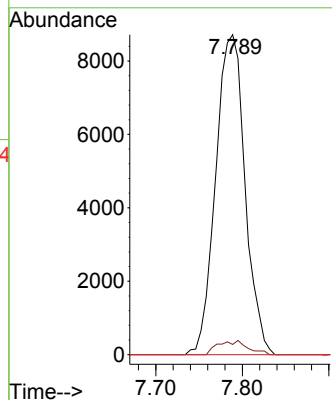
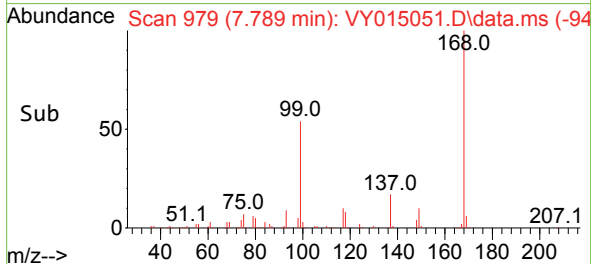


#38
Carbon Tetrachloride
Concen: 6.608 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

Instrument :
MSVOA_Y
ClientSampleId :

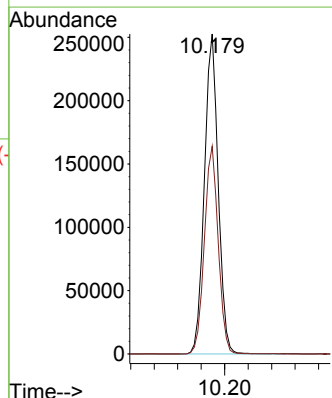
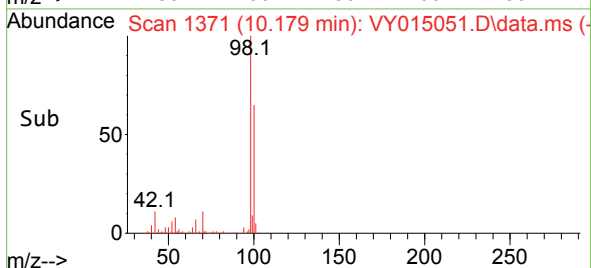
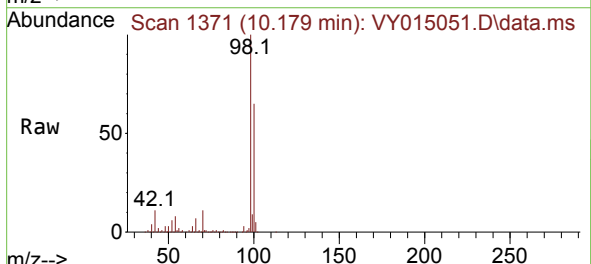


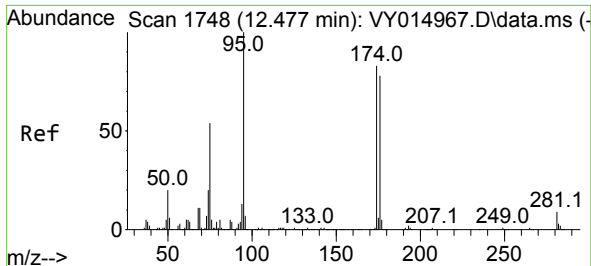
Tgt Ion:117 Resp: 20528
Ion Ratio Lower Upper
117 100
119 3.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.687 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

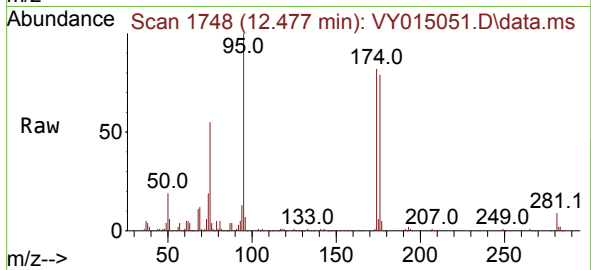
Tgt Ion: 98 Resp: 412485
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



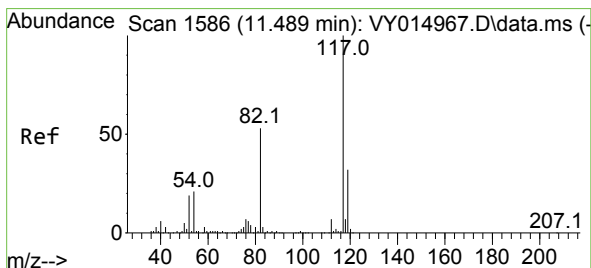
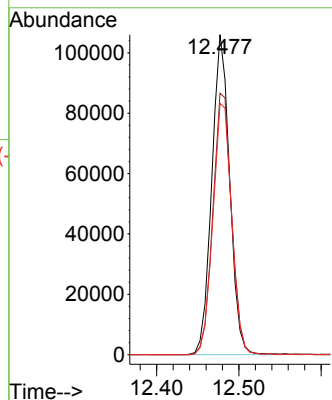
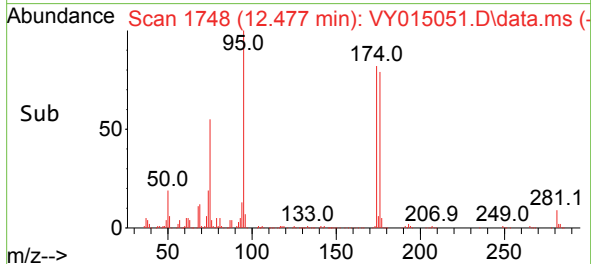


#62
4-Bromofluorobenzene
Concen: 53.390 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

Instrument :
MSVOA_Y
ClientSampleId :

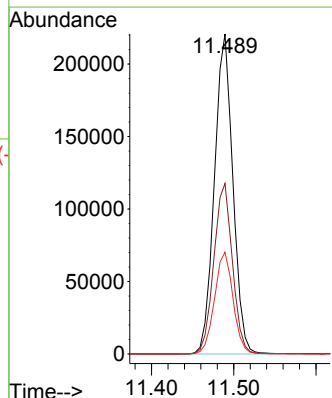
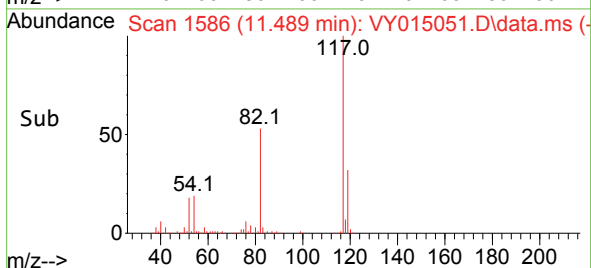
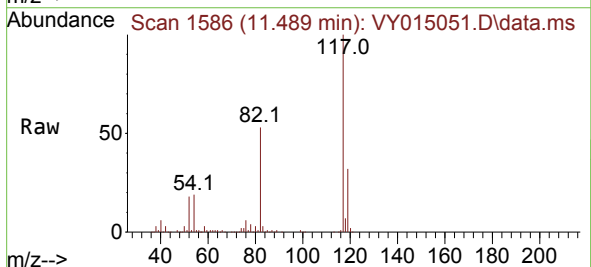


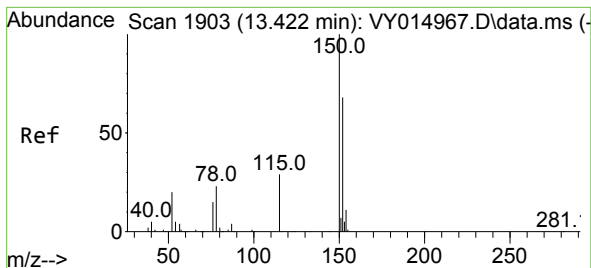
Tgt Ion: 95 Resp: 160314
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 82.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015051.D
Acq: 11 Aug 2023 11:59

Tgt Ion: 117 Resp: 344146
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.8 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 MSVOA_Y

Lab File: VY015051.D

Acq: 11 Aug 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

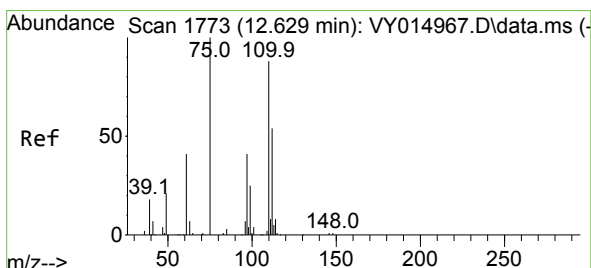
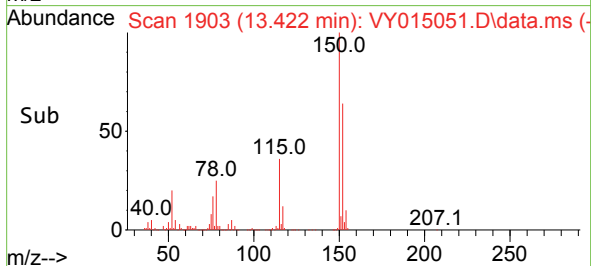
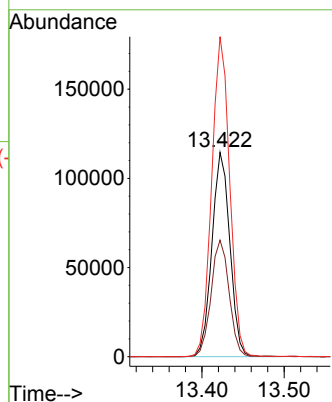
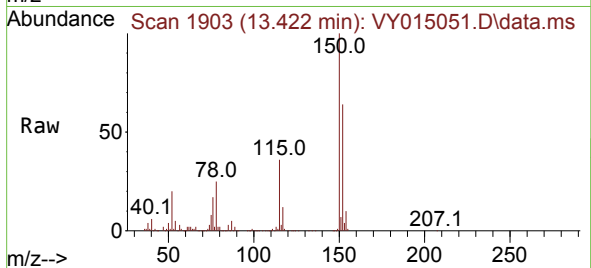
Tgt Ion:152 Resp: 173758

Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.081 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015051.D

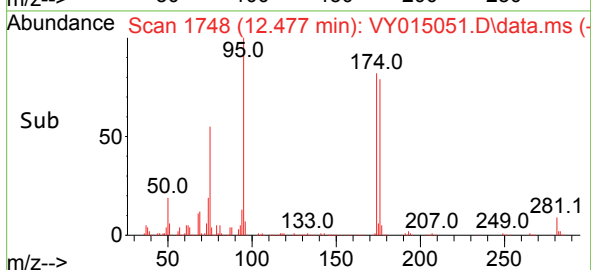
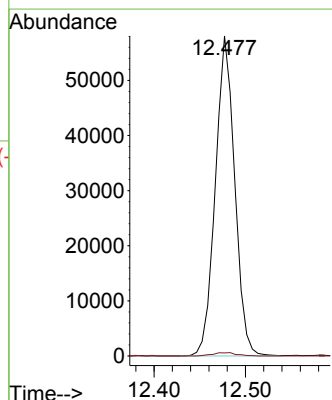
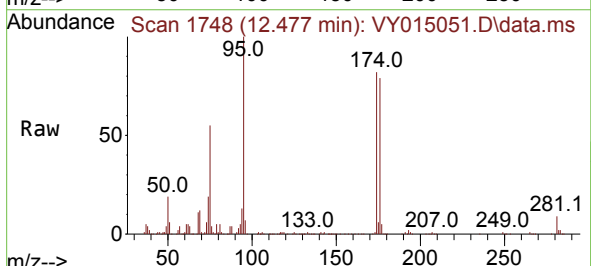
Acq: 11 Aug 2023 11:59

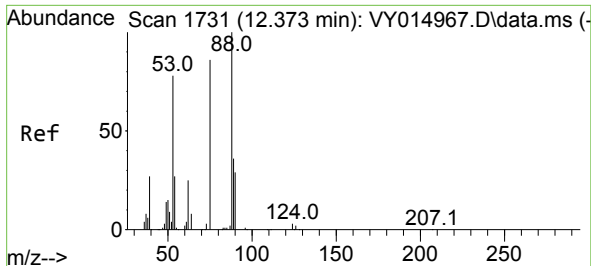
Tgt Ion: 75 Resp: 85531

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

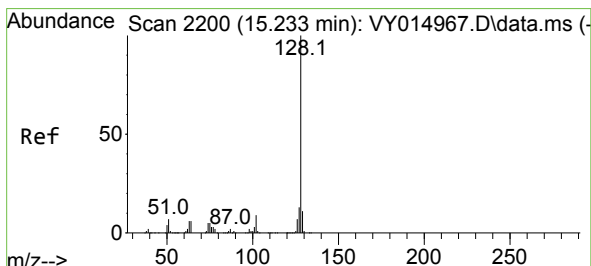
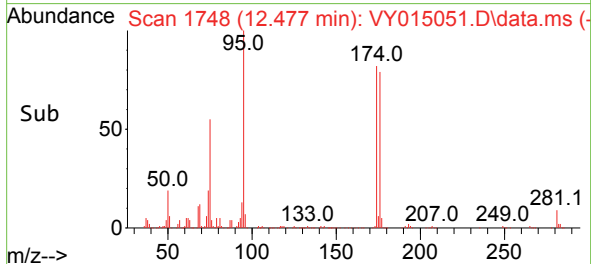
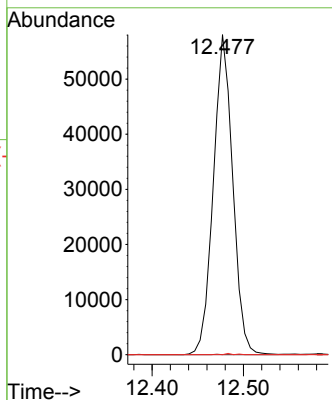
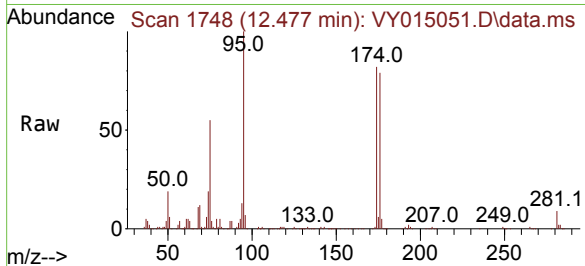




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.502 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015051.D
 Acq: 11 Aug 2023 11:59

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 85531
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#



#95
 Naphthalene
 Concen: 1.227 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: VY015051.D
 Acq: 11 Aug 2023 11:59

Tgt Ion:128 Resp: 9454
 Ion Ratio Lower Upper
 128 100
 127 15.0 10.8 16.2
 129 13.1 8.6 13.0#

