

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015632.D
 Acq On : 18 Sep 2023 22:04
 Operator : SY/MD
 Sample : 04453-03
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:09:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

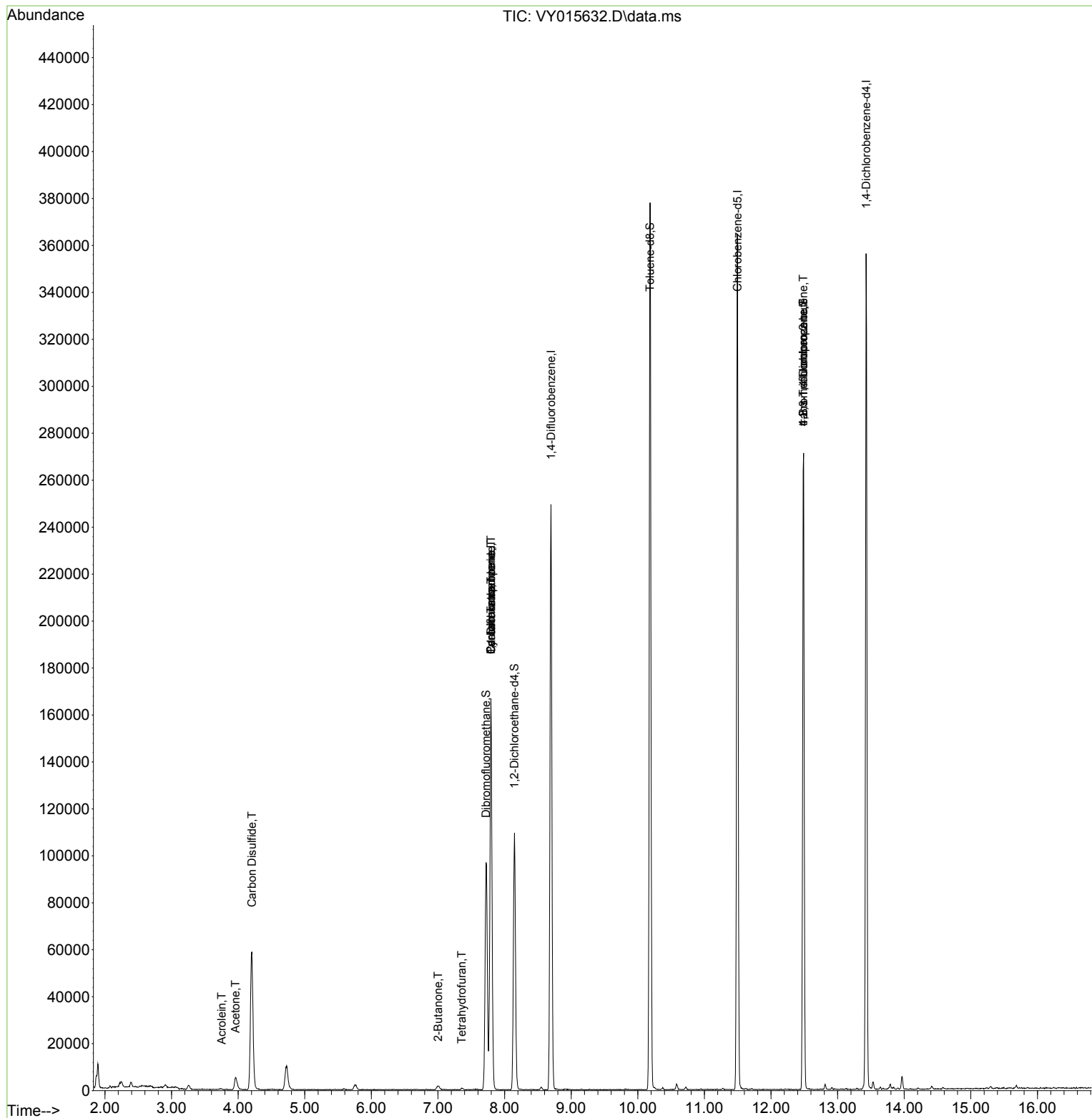
Internal Standards						
1) Pentafluorobenzene	7.795	168	123461	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	212126	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	193863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83292	62.934	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.860%	
35) Dibromofluoromethane	7.722	113	68284	55.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.780%	
50) Toluene-d8	10.185	98	249754	56.447	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.900%	
62) 4-Bromofluorobenzene	12.483	95	82438	50.188	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.003	59	74	Below Cal	#	89
13) Acrolein	3.753	56	441	12.789	ug/l	86
16) Acetone	3.960	43	9735	17.623	ug/l #	81
17) Carbon Disulfide	4.204	76	120282	32.783	ug/l	100
20) Methylene Chloride	4.729	84	7495	Below Cal		90
25) 2-Butanone	7.003	43	3126	3.990	ug/l	93
29) Tetrahydrofuran	7.356	42	528	1.073	ug/l #	71
31) Cyclohexane	7.795	56	2722	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9468	4.413	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12618	5.695	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	45084	38.137	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45084	84.126	ug/l #	11

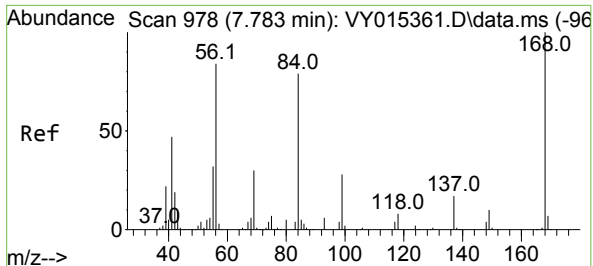
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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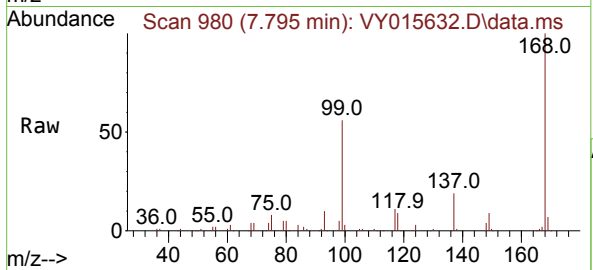
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
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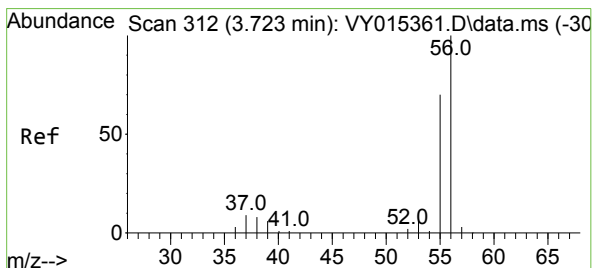
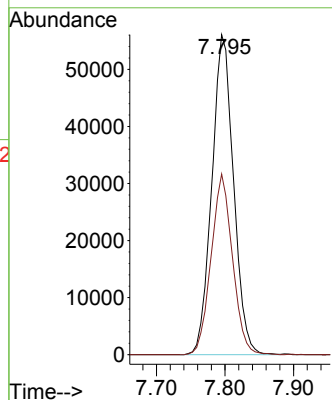
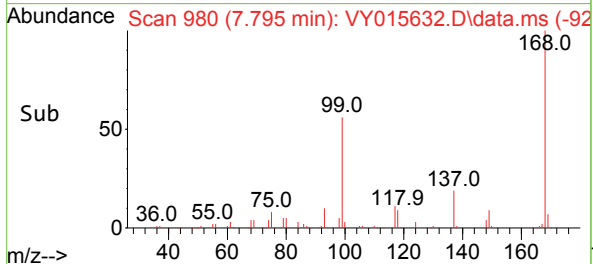


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Instrument :
MSVOA_Y
ClientSampleId :

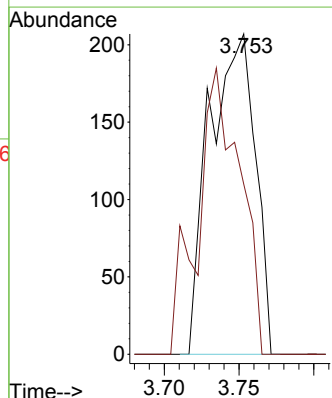
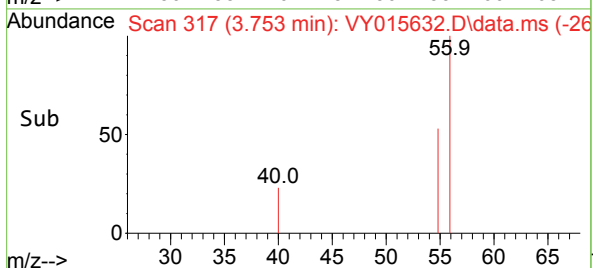
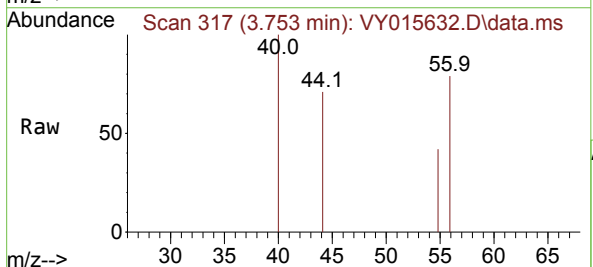


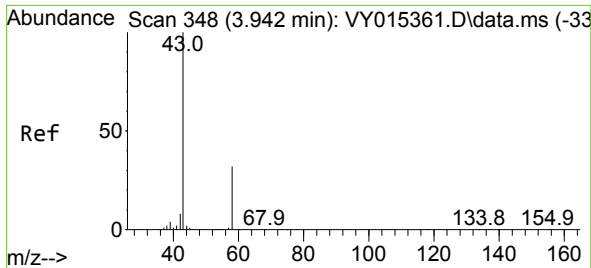
Tgt Ion:168 Resp: 123461
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#13
Acrolein
Concen: 12.789 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.030 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 83.0 57.0 85.4

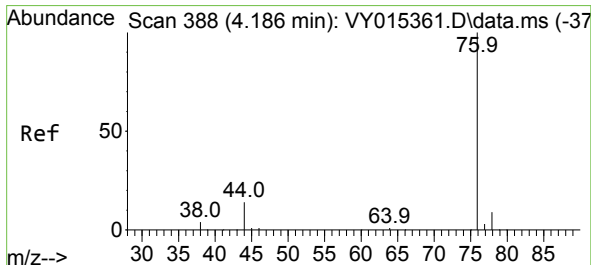
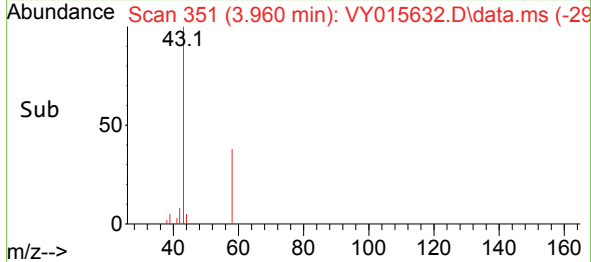
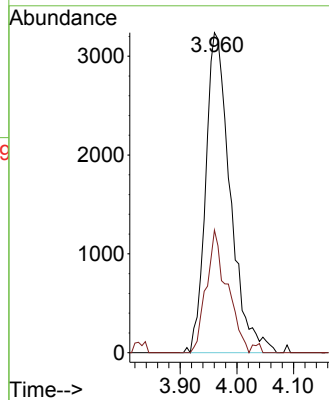
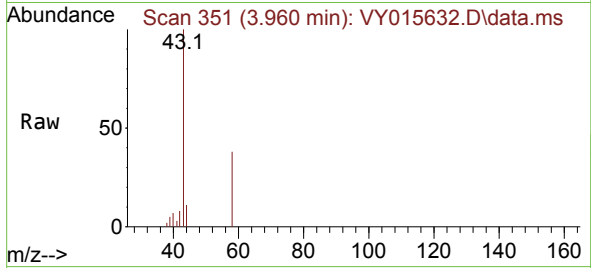




#16
Acetone
Concen: 17.623 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

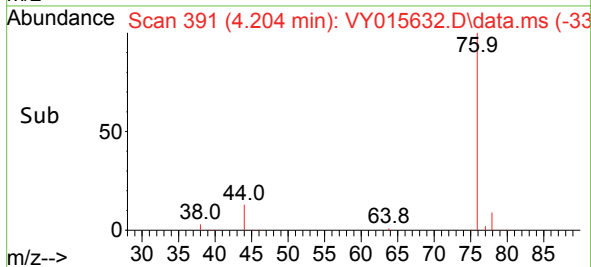
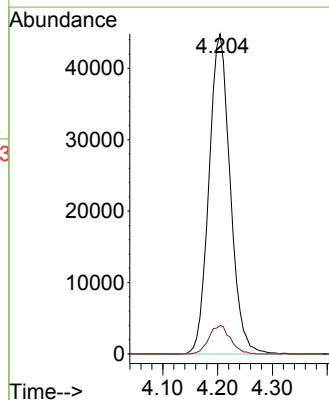
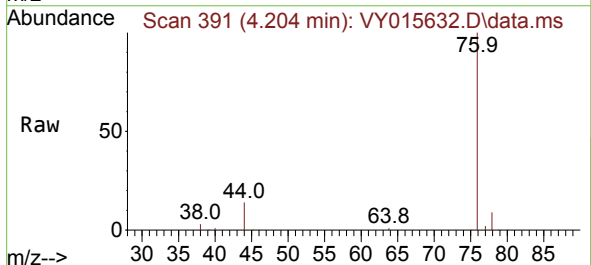
Instrument :
MSVOA_Y
ClientSampleId :

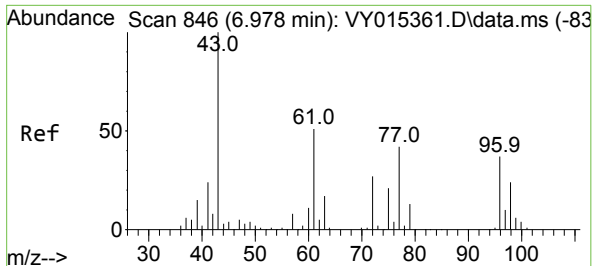
Tgt Ion: 43 Resp: 9735
Ion Ratio Lower Upper
43 100
58 38.3 22.7 34.1#



#17
Carbon Disulfide
Concen: 32.783 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Tgt Ion: 76 Resp: 120282
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4





#25

2-Butanone

Concen: 3.990 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

Instrument :

MSVOA_Y

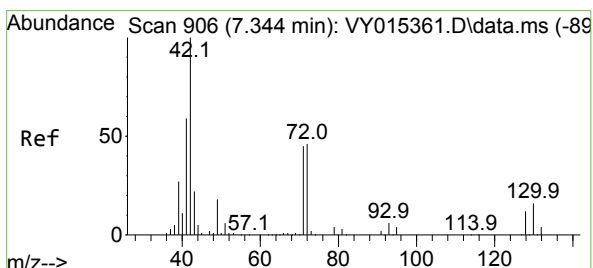
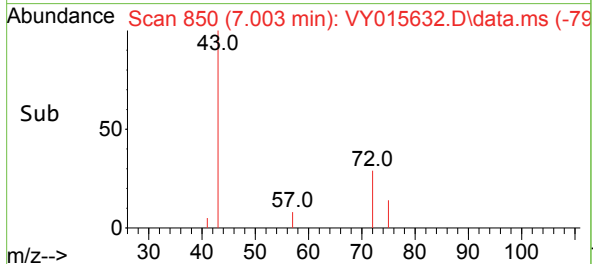
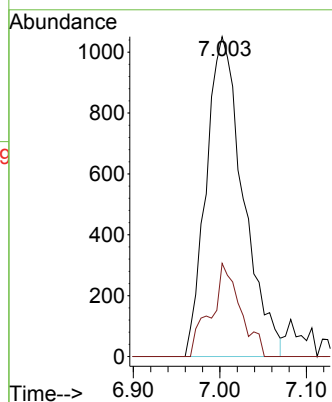
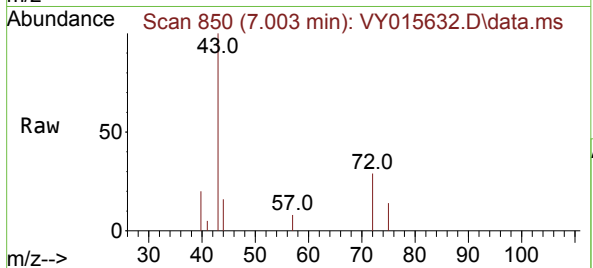
ClientSampleId :

Tgt Ion: 43 Resp: 3126

Ion Ratio Lower Upper

43 100

72 29.1 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.073 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

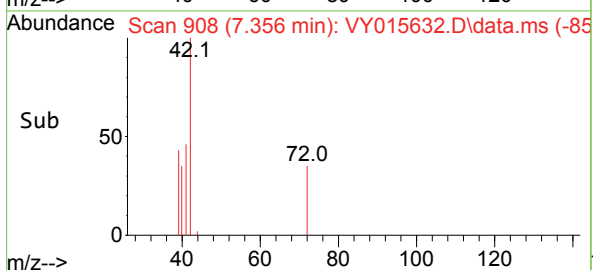
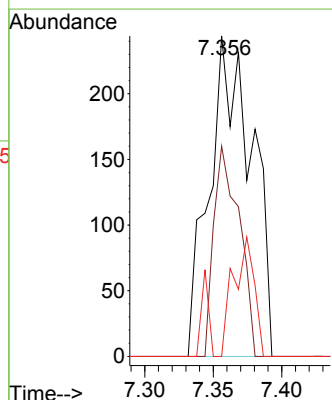
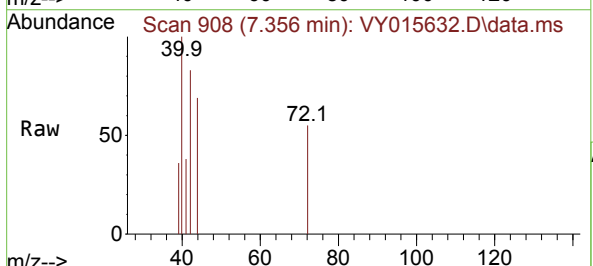
Tgt Ion: 42 Resp: 528

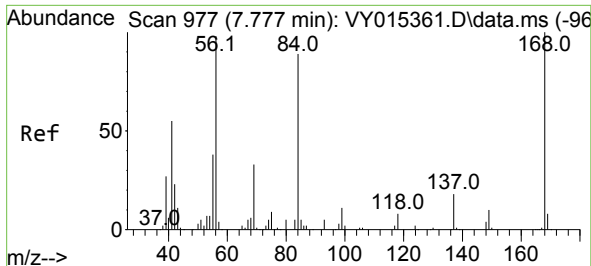
Ion Ratio Lower Upper

42 100

72 39.2 32.8 49.2

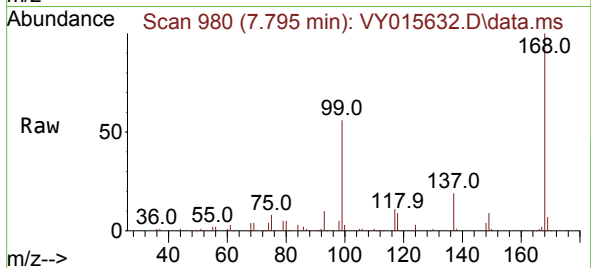
71 4.5 31.0 46.4#



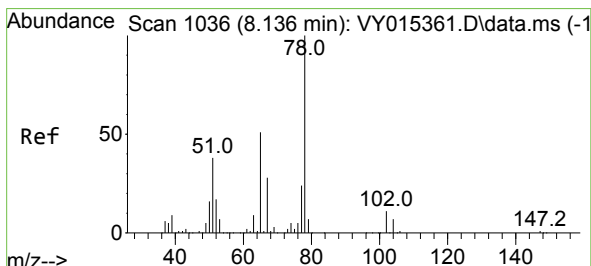
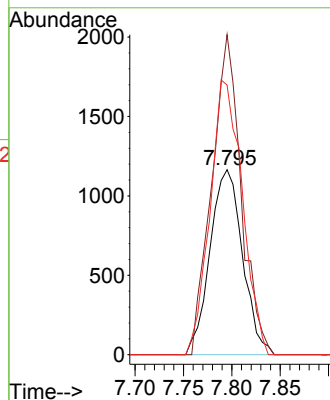
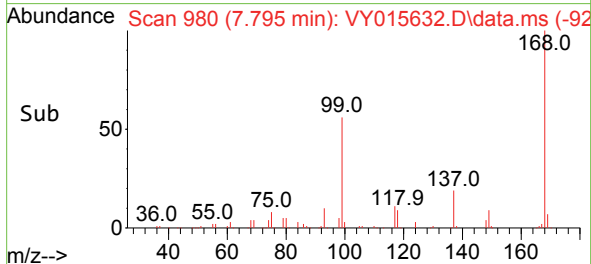


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Instrument :
MSVOA_Y
ClientSampleId :

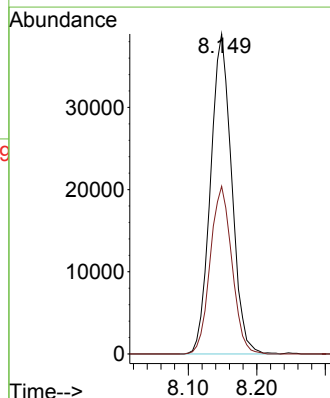
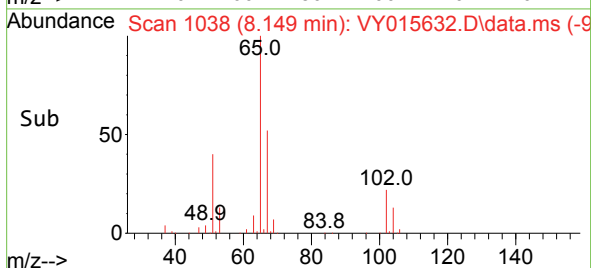
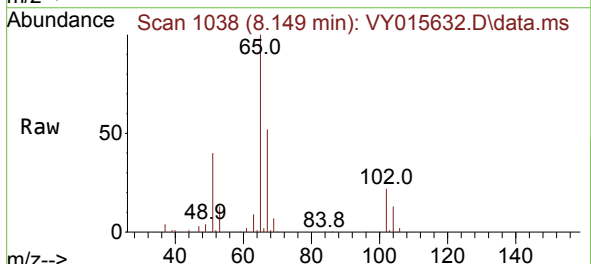


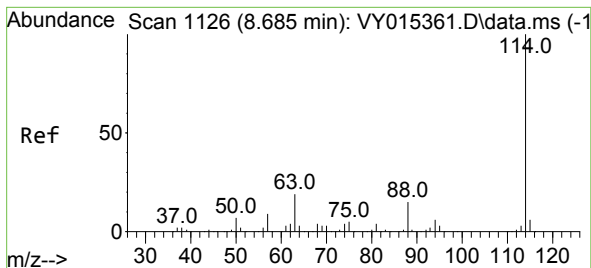
Tgt Ion: 56 Resp: 2722
Ion Ratio Lower Upper
56 100
69 173.0 27.8 41.6#
84 145.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 62.934 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Tgt Ion: 65 Resp: 83292
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :

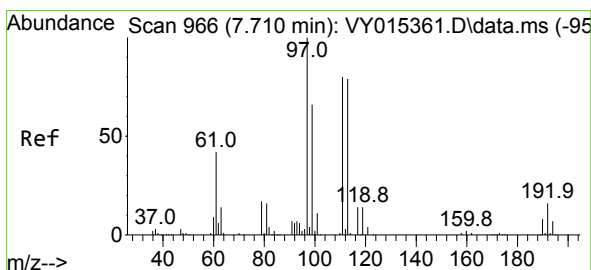
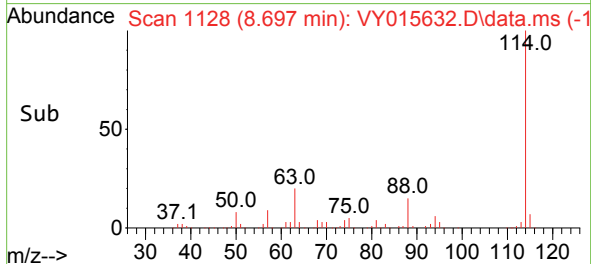
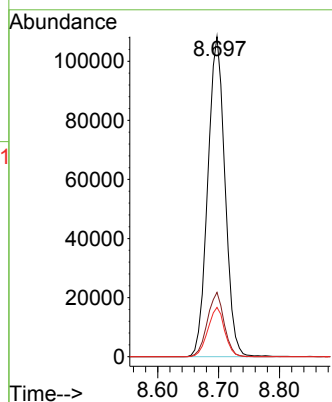
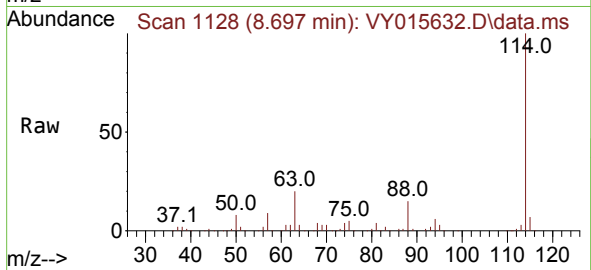
Tgt Ion:114 Resp: 212126

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.888 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

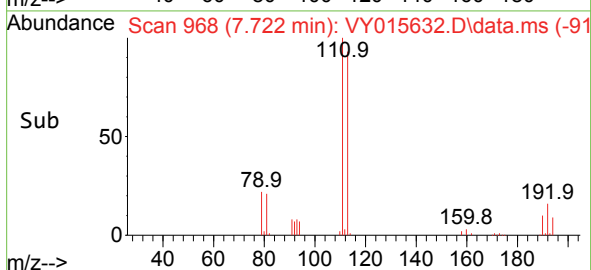
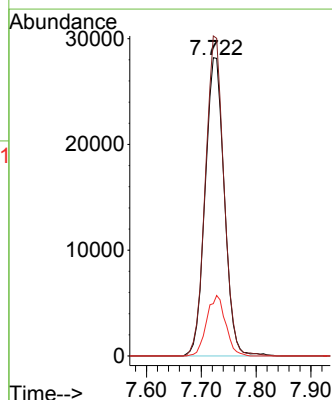
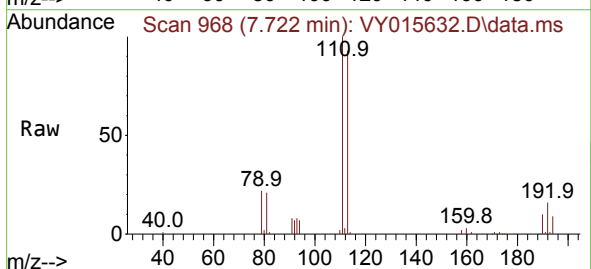
Tgt Ion:113 Resp: 68284

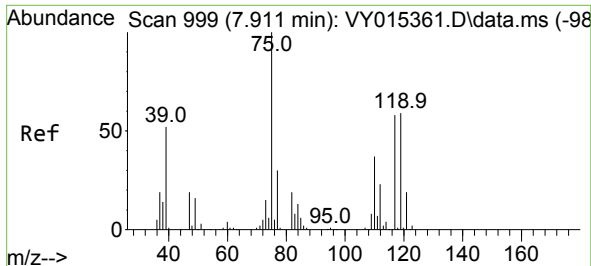
Ion Ratio Lower Upper

113 100

111 104.0 81.3 121.9

192 20.1 16.9 25.3

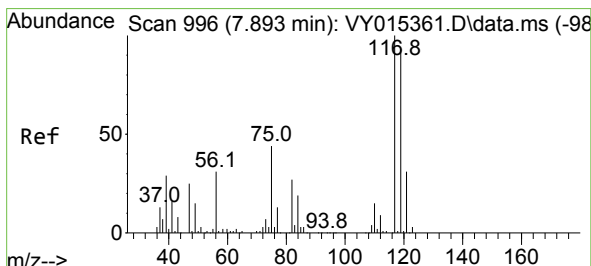
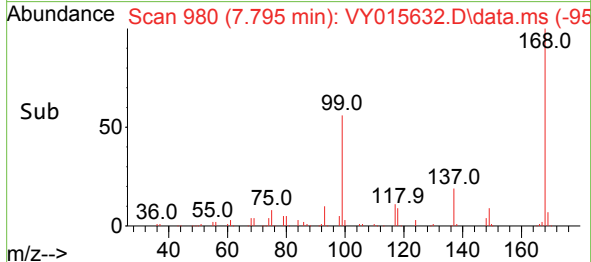
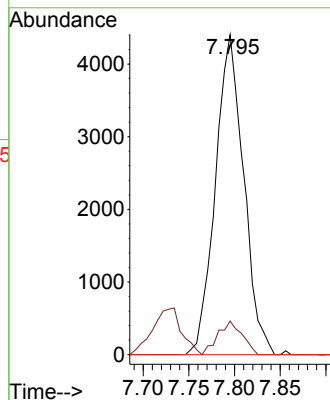
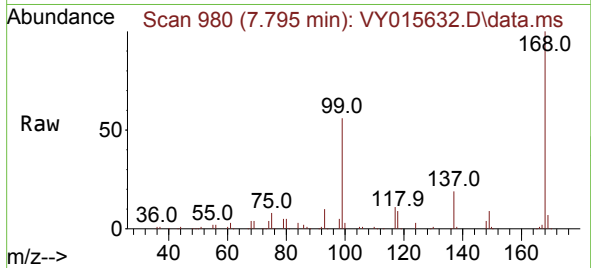




#36
1,1-Dichloropropene
Concen: 4.413 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

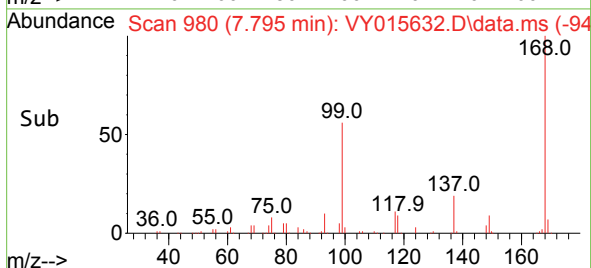
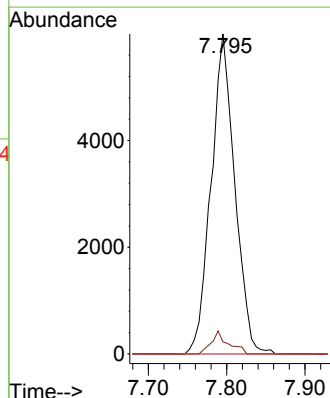
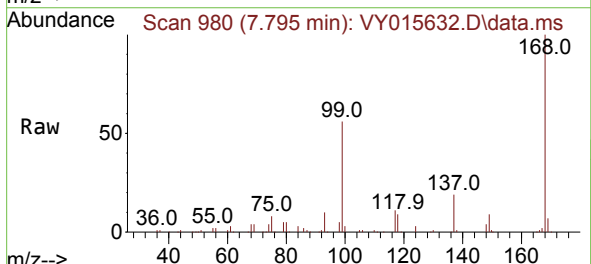
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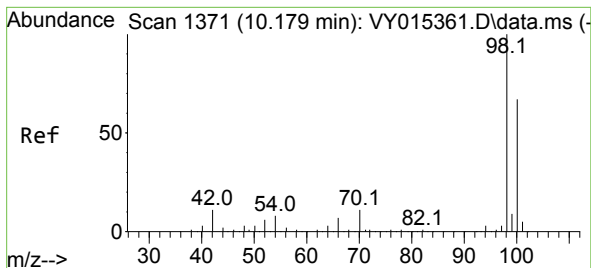
Tgt Ion: 75 Resp: 9468
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.097 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Tgt Ion: 117 Resp: 12618
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#

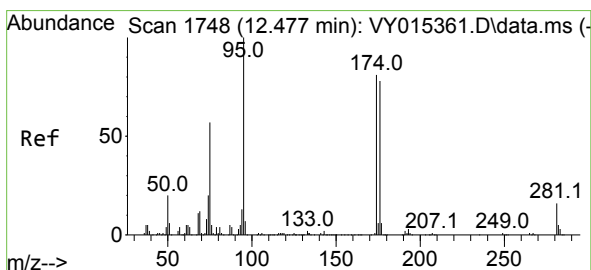
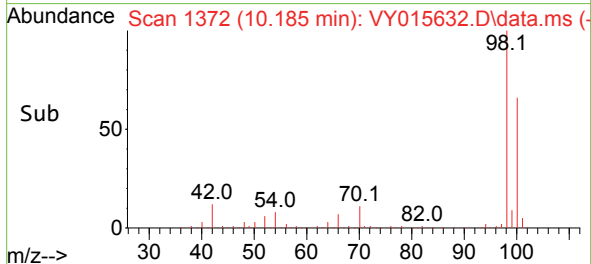
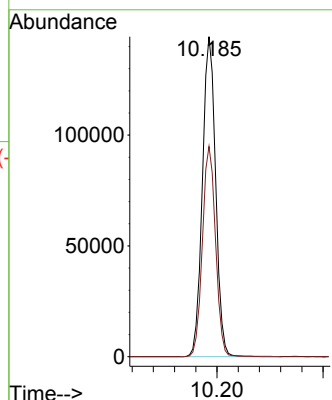
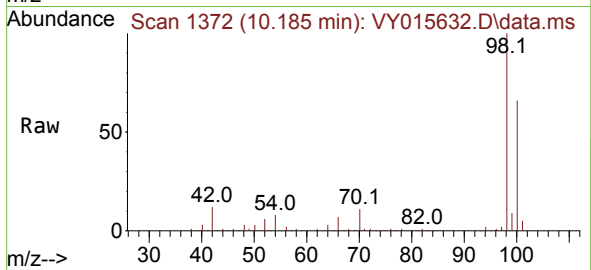




#50
Toluene-d8
Concen: 56.447 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

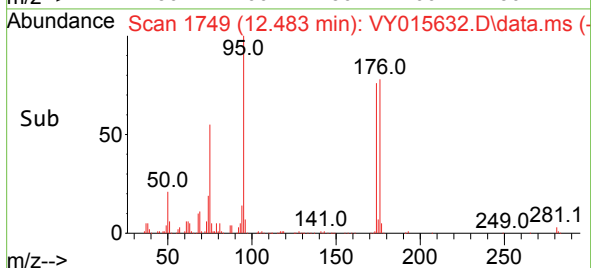
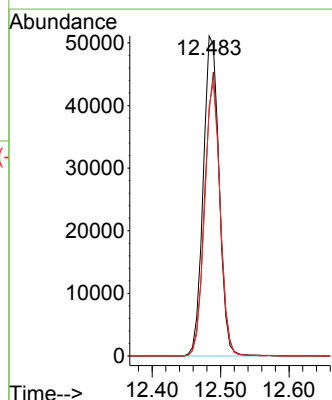
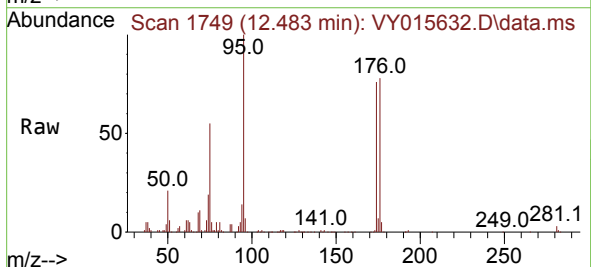
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 249754
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.188 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015632.D
Acq: 18 Sep 2023 22:04

Tgt Ion: 95 Resp: 82438
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 83.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

Instrument :

MSVOA_Y

ClientSampleId :

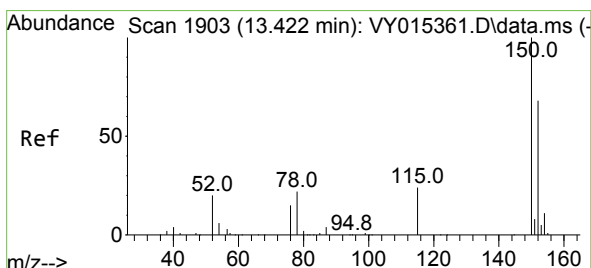
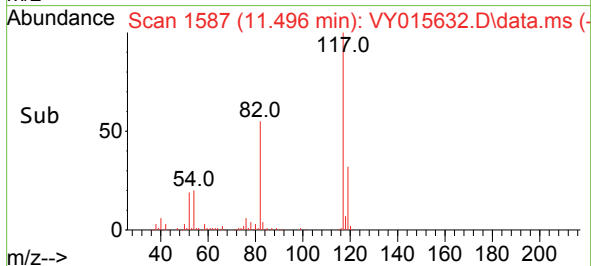
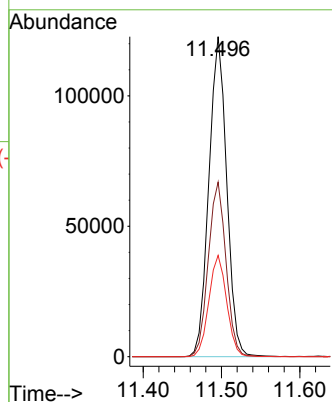
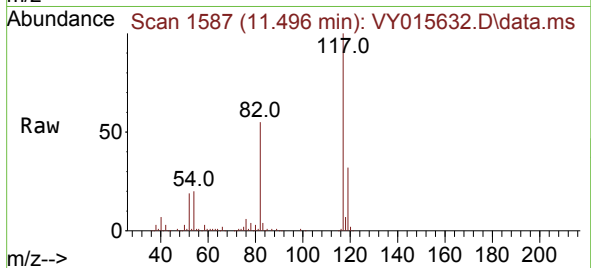
Tgt Ion:117 Resp: 193863

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 31.6 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: VY015632.D

Acq: 18 Sep 2023 22:04

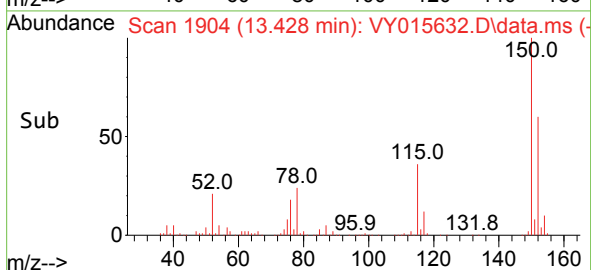
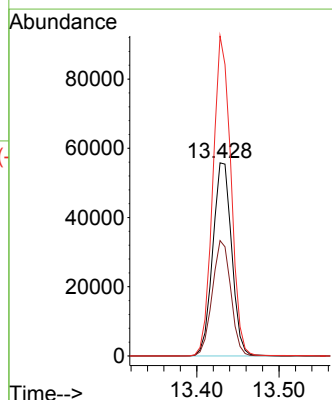
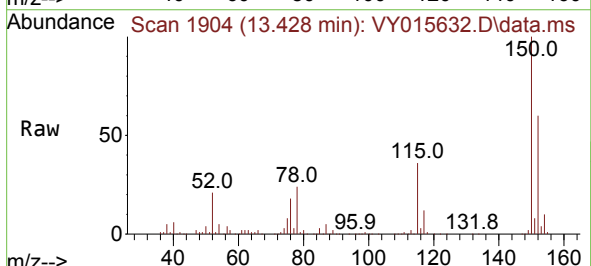
Tgt Ion:152 Resp: 89145

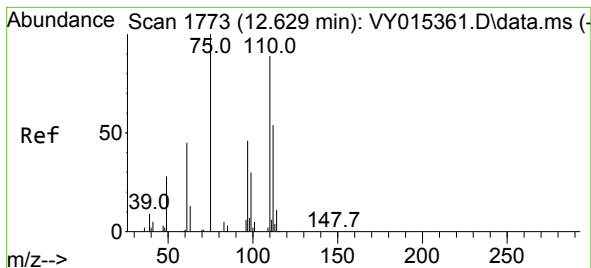
Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 158.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 38.137 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

Instrument :

MSVOA_Y

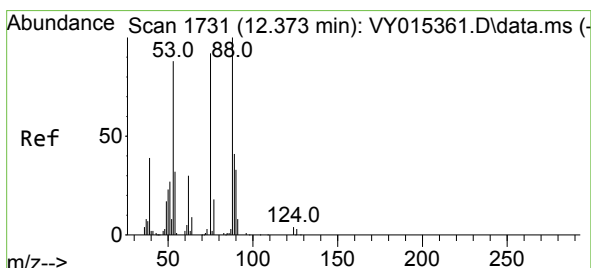
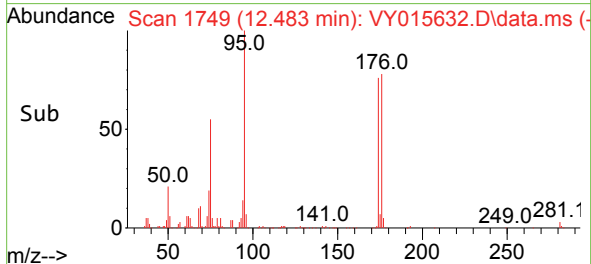
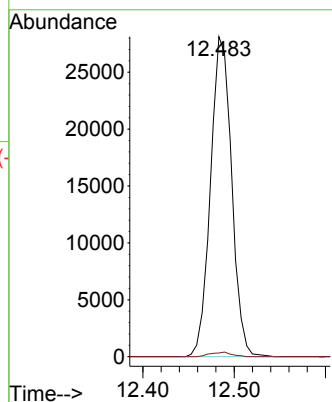
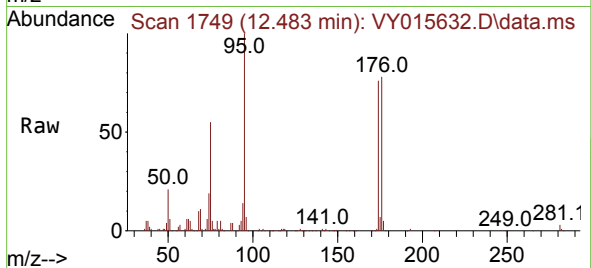
ClientSampleId :

Tgt Ion: 75 Resp: 45084

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.126 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY015632.D

Acq: 18 Sep 2023 22:04

Tgt Ion: 75 Resp: 45084

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

