

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015791.D
 Acq On : 02 Oct 2023 20:59
 Operator : SY/MD
 Sample : 04685-02
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:29:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

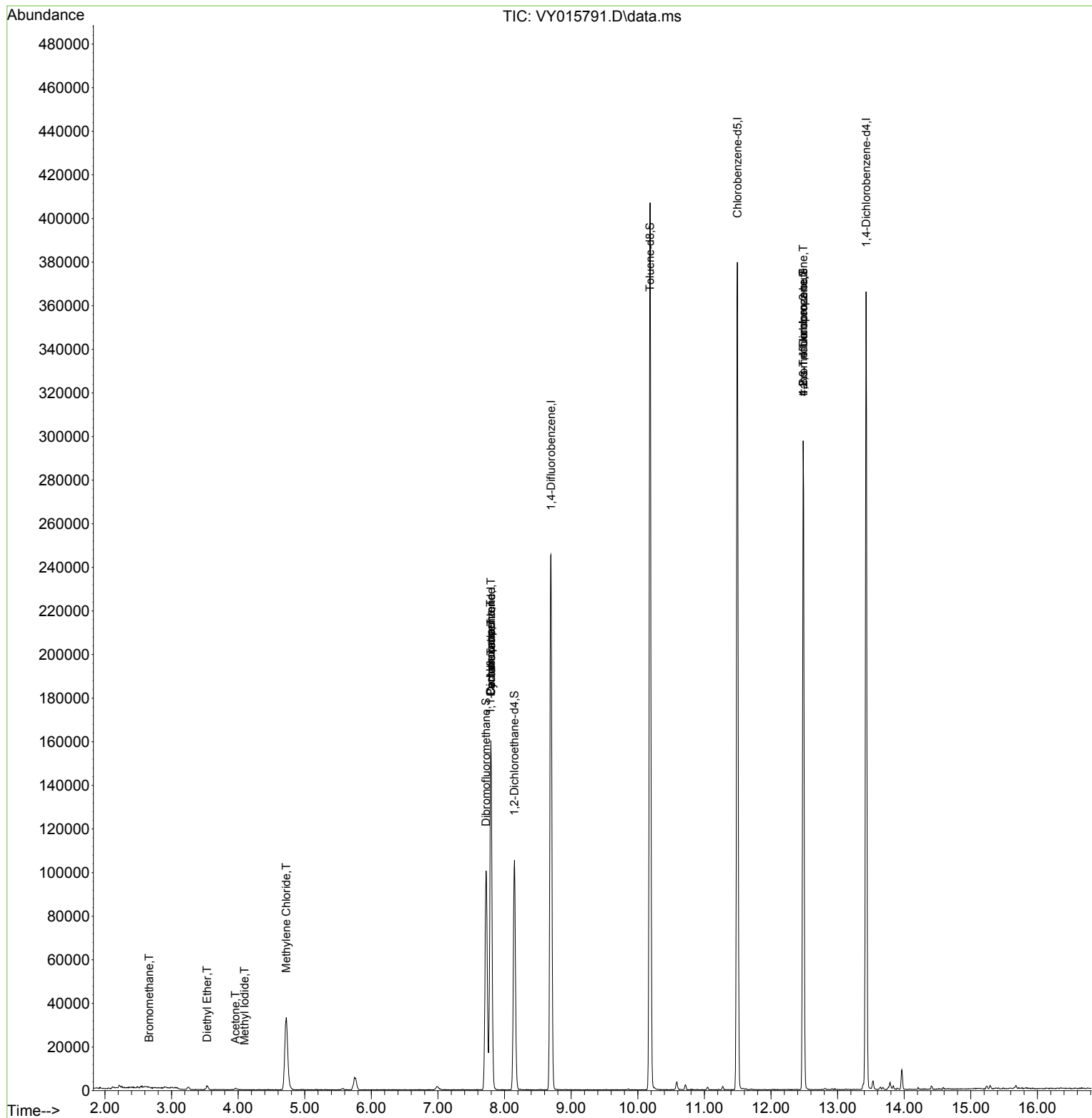
Internal Standards						
1) Pentafluorobenzene	7.795	168	125613	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	217375	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	203597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82012	59.339	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.680%	
35) Dibromofluoromethane	7.722	113	71868	55.238	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.185	98	262779	59.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 119.140%	
62) 4-Bromofluorobenzene	12.483	95	85408	49.335	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	99	2.636	ug/l	94
8) Diethyl Ether	3.534	74	937	1.097	ug/l	99
10) Methyl Iodide	4.095	142	39	2.754	ug/l #	38
11) Tert butyl alcohol	4.948	59	74	Below Cal	#	89
16) Acetone	3.960	43	1129	1.526	ug/l	99
20) Methylene Chloride	4.723	84	25813	12.285	ug/l	88
31) Cyclohexane	7.795	56	2507	1.309	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9625	5.003	ug/l #	51
38) Carbon Tetrachloride	7.795	117	12915	6.185	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	45479	30.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45479	69.748	ug/l #	11

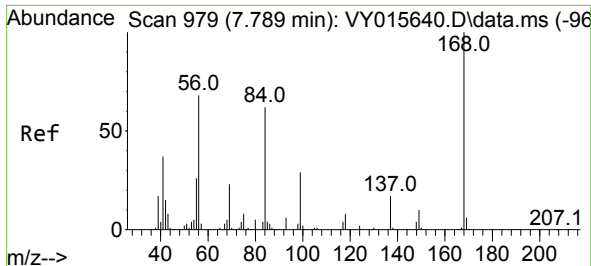
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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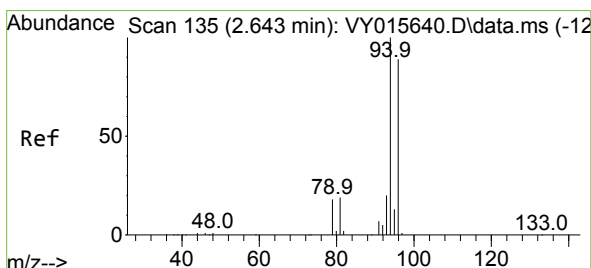
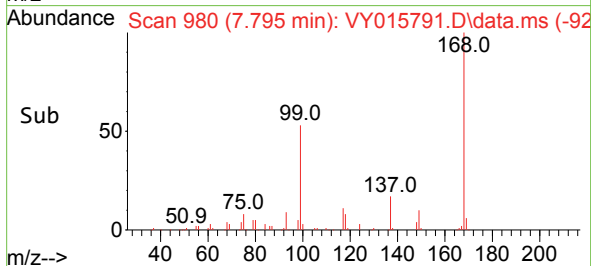
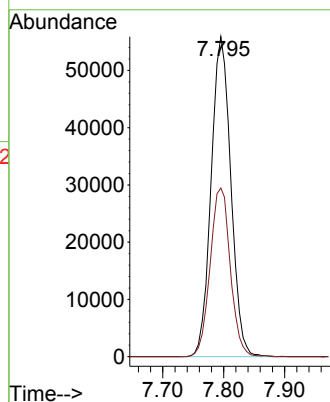
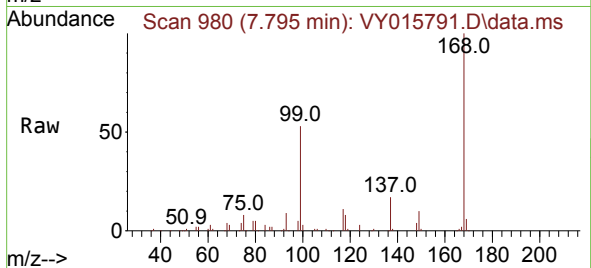




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

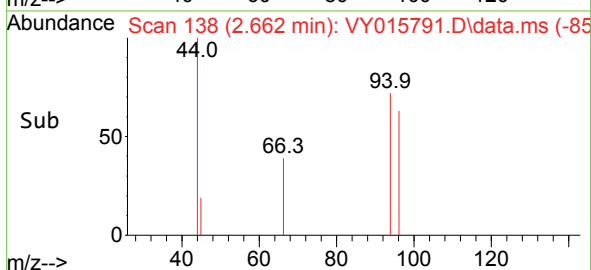
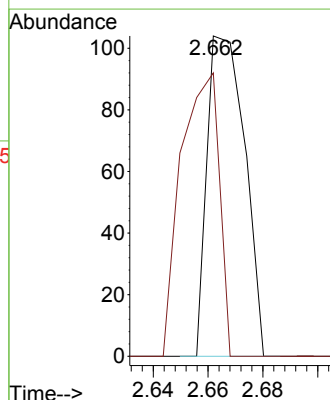
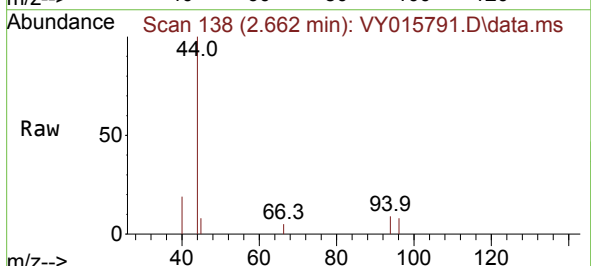
Instrument :
MSVOA_Y
ClientSampleId :

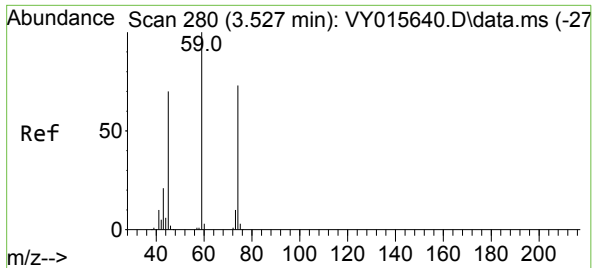
Tgt Ion:168 Resp: 125613
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#5
Bromomethane
Concen: 2.636 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

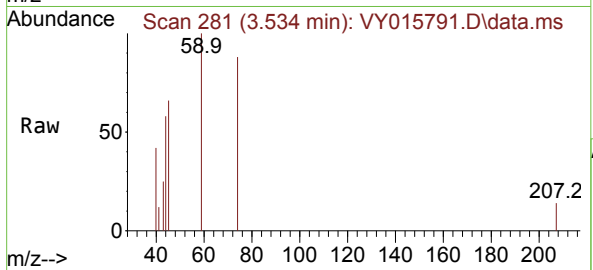
Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 88.5 75.8 113.6



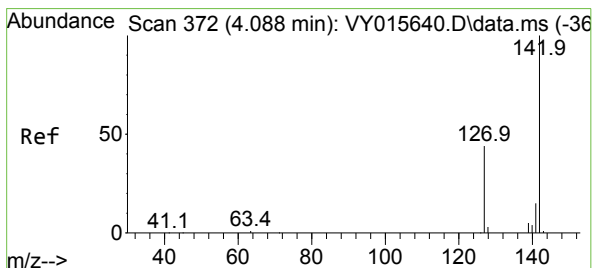
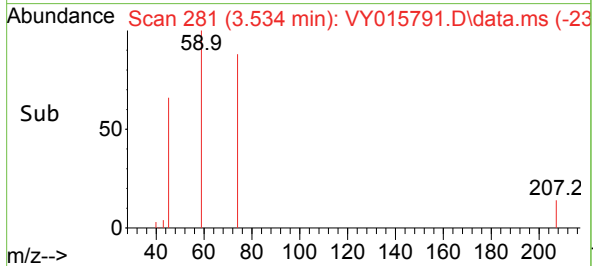
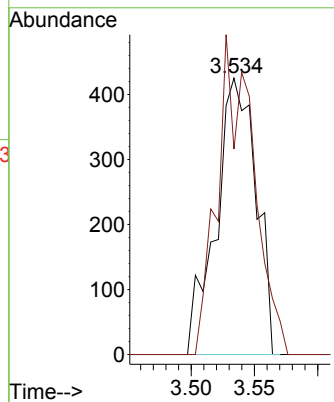


#8
Diethyl Ether
Concen: 1.097 ug/l
RT: 3.534 min Scan# 21
Delta R.T. 0.013 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

Instrument :
MSVOA_Y
ClientSampleId :

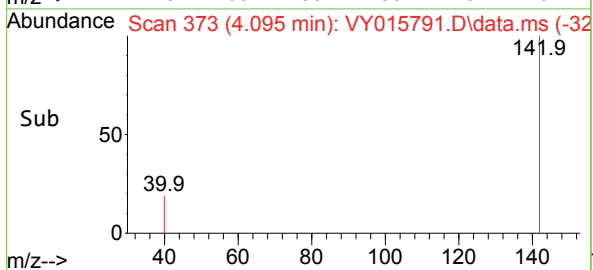
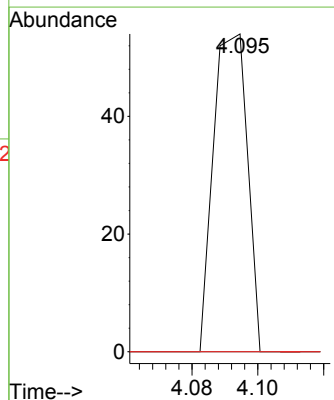
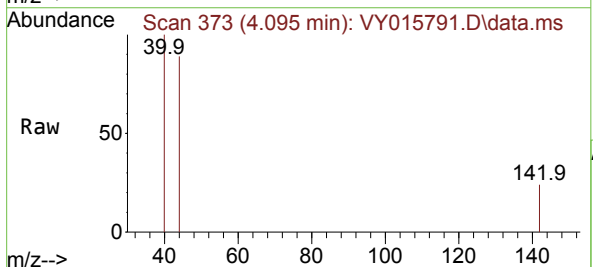


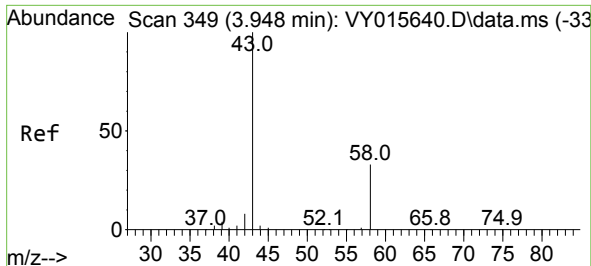
Tgt Ion: 74 Resp: 937
Ion Ratio Lower Upper
74 100
45 104.2 51.5 154.5



#10
Methyl Iodide
Concen: 2.754 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

Tgt Ion: 142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

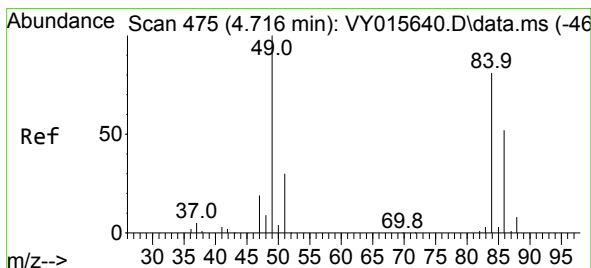
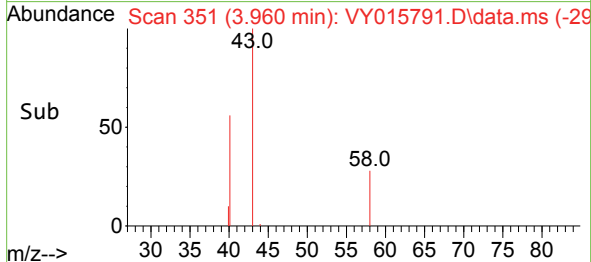
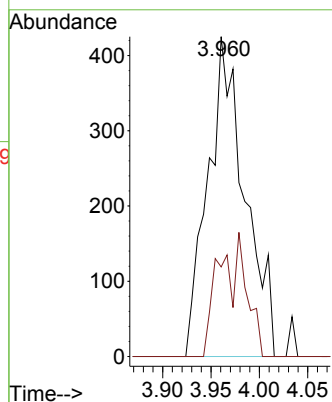
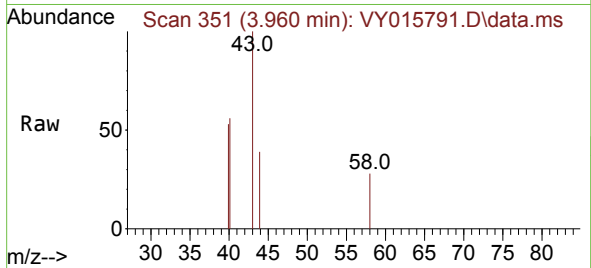




#16
Acetone
Concen: 1.526 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

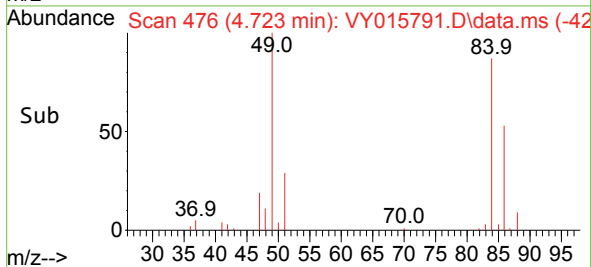
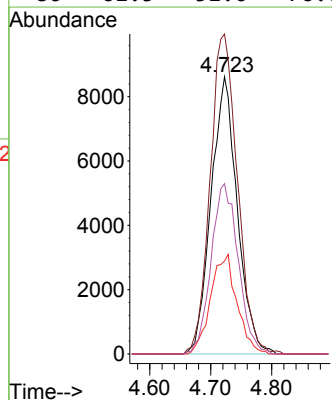
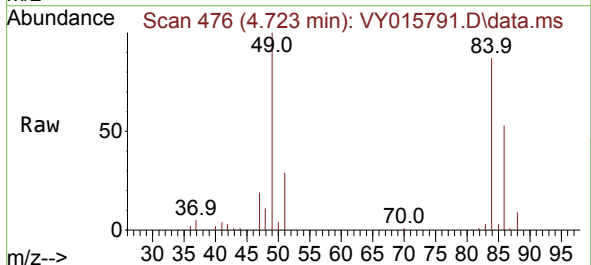
Instrument :
MSVOA_Y
ClientSampleId :

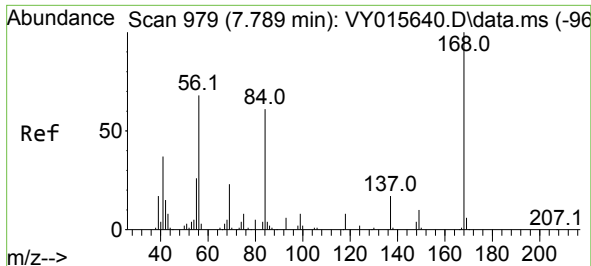
Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1



#20
Methylene Chloride
Concen: 12.285 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.019 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

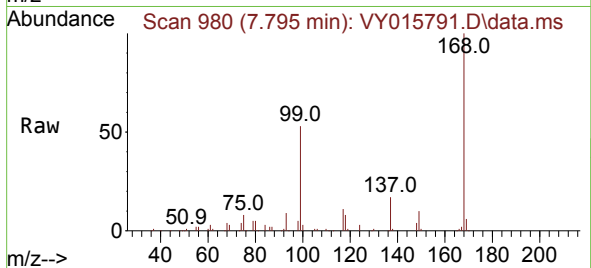
Tgt Ion: 84 Resp: 25813
Ion Ratio Lower Upper
84 100
49 115.5 106.9 160.3
51 33.6 33.2 49.8
86 61.5 51.0 76.6



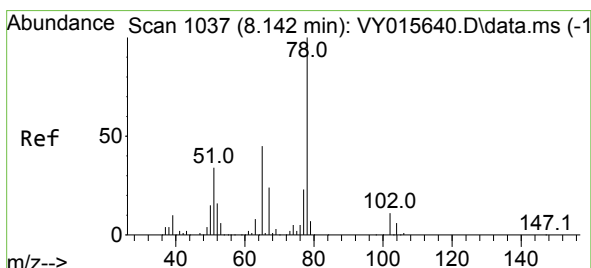
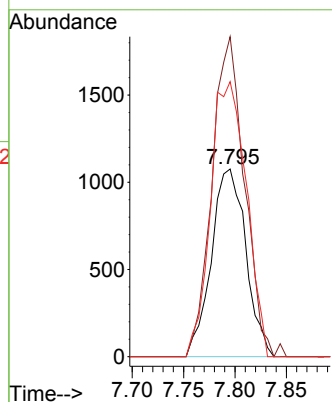
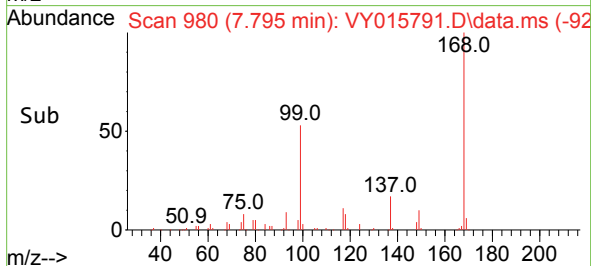


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

Instrument :
MSVOA_Y
ClientSampleId :

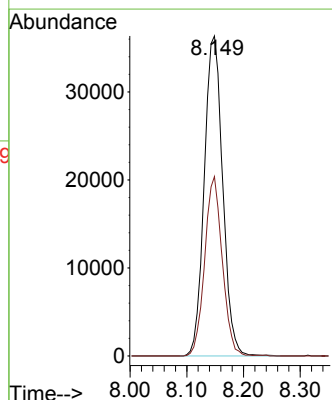
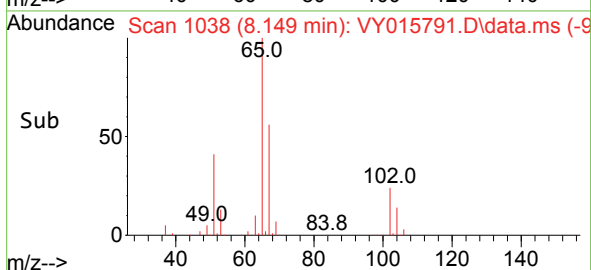
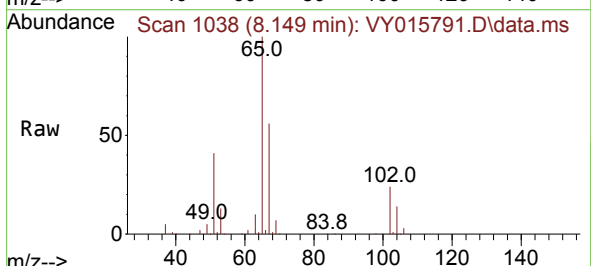


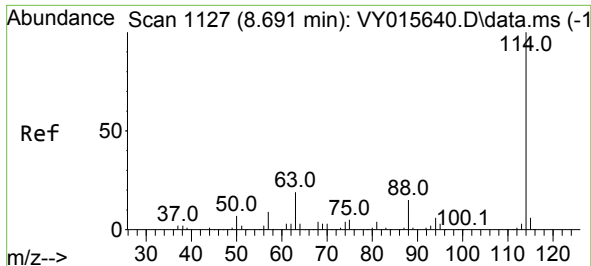
Tgt Ion: 56 Resp: 2507
Ion Ratio Lower Upper
56 100
69 170.5 27.8 41.6#
84 146.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.339 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

Tgt Ion: 65 Resp: 82012
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

Instrument :

MSVOA_Y

ClientSampleId :

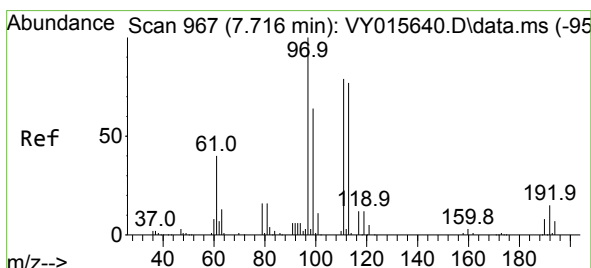
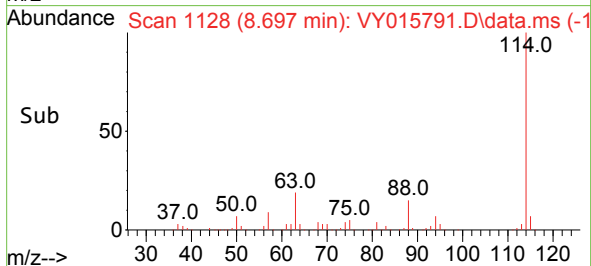
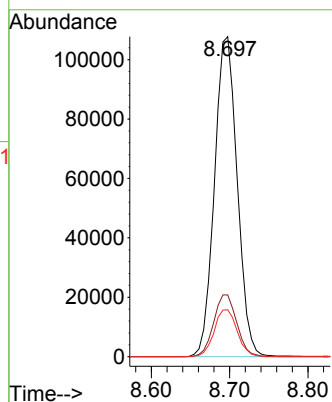
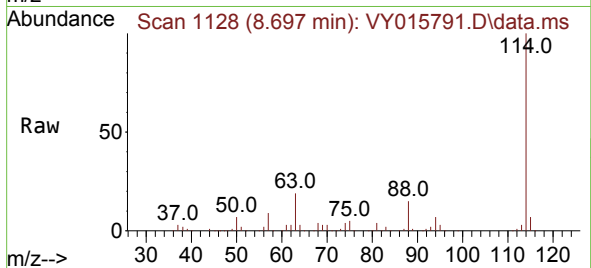
Tgt Ion:114 Resp: 217375

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.238 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

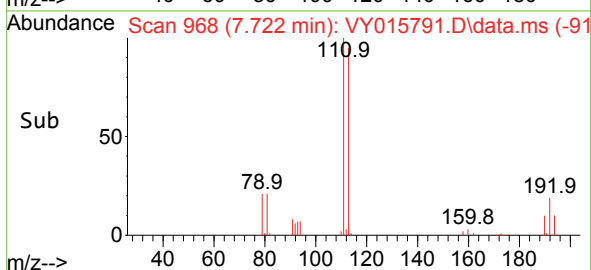
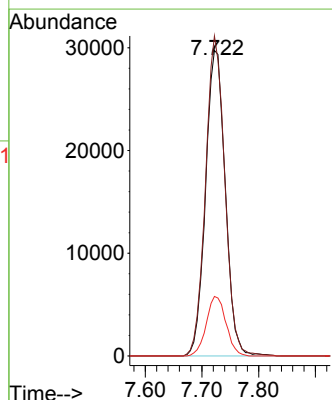
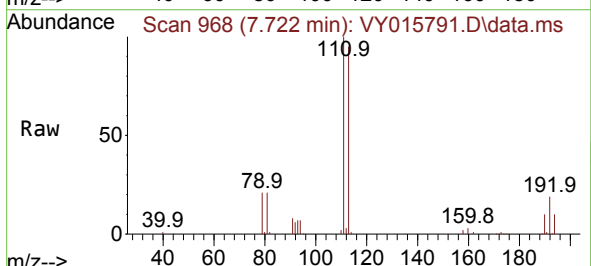
Tgt Ion:113 Resp: 71868

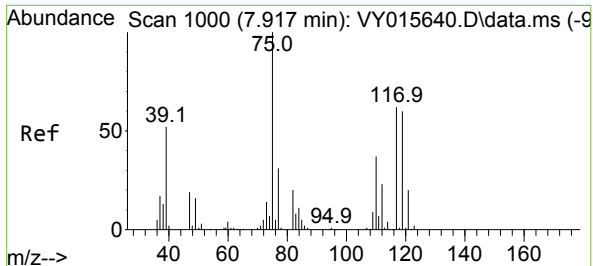
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.003 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

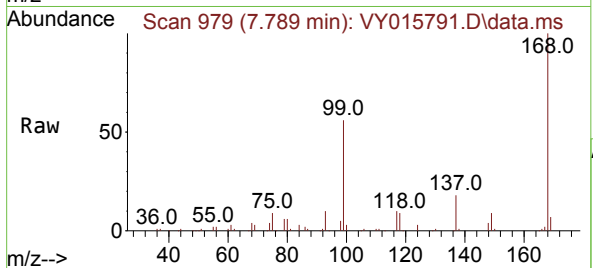
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Acq: 02 Oct 2023 20:59

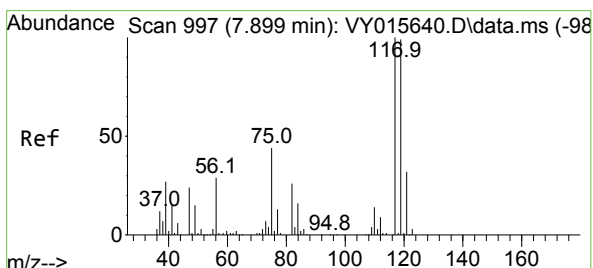
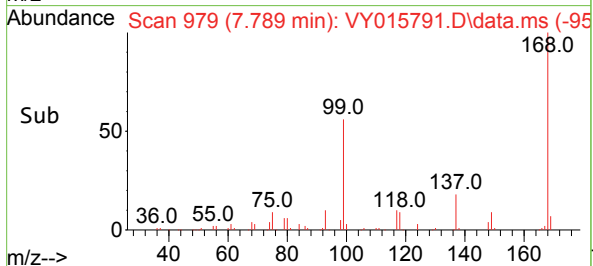
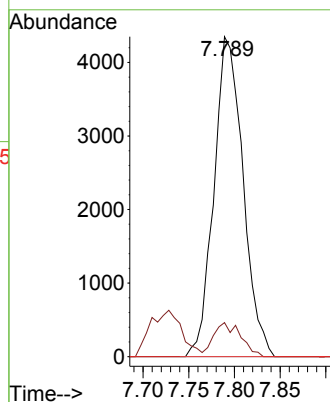
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 9625
Ion Ratio	Lower Upper
75	100
110	9.9 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.185 ug/l

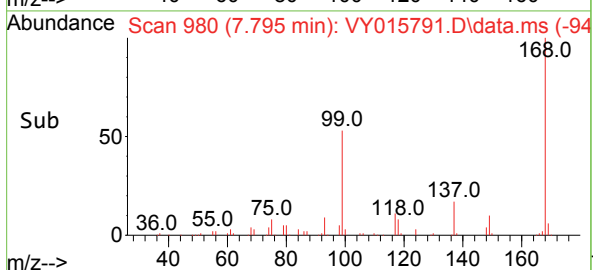
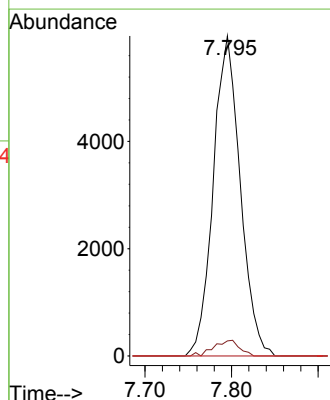
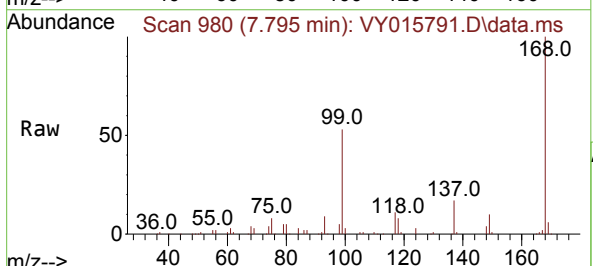
RT: 7.795 min Scan# 980

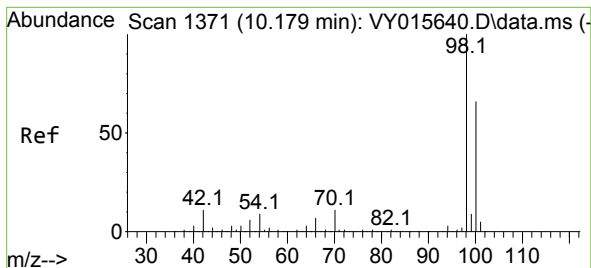
Delta R.T. -0.098 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

Tgt Ion: 117	Resp: 12915
Ion Ratio	Lower Upper
117	100
119	4.7 76.4 114.6#
121	0.0 25.8 38.6#

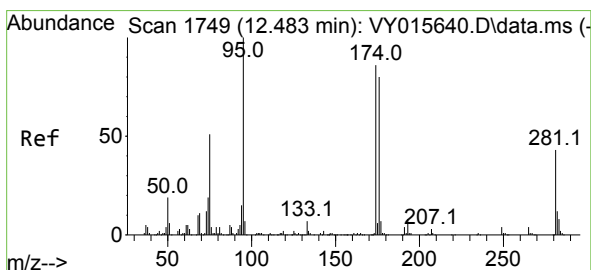
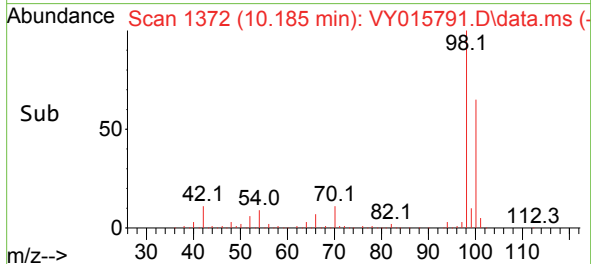
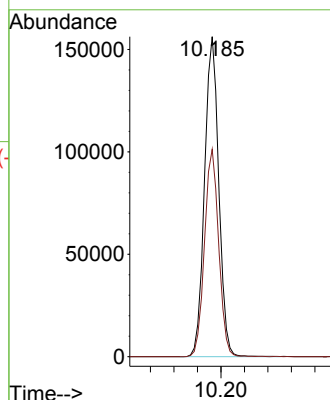
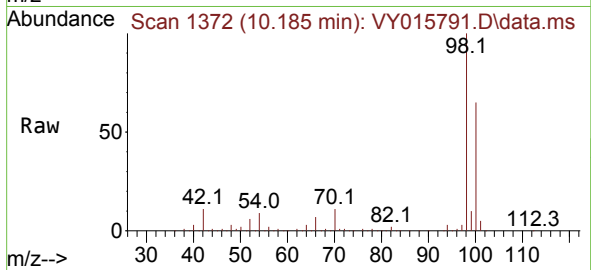




#50
Toluene-d8
Concen: 59.568 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

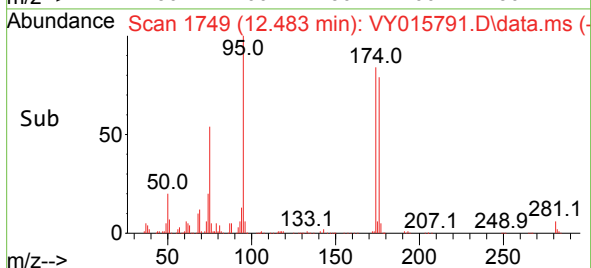
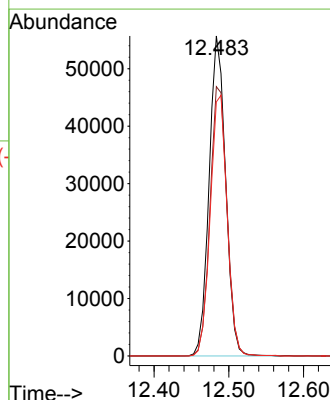
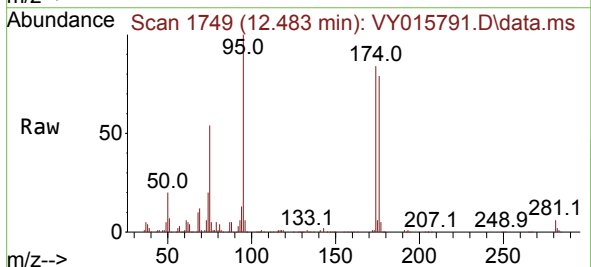
Instrument :
MSVOA_Y
ClientSampleId :

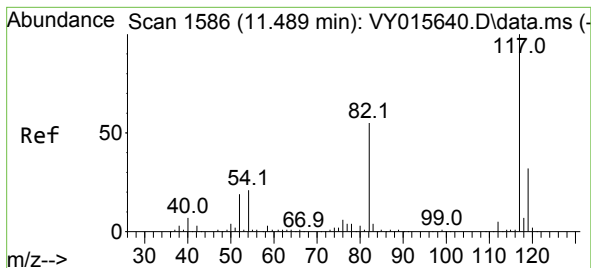
Tgt Ion: 98 Resp: 262779
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.335 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015791.D
Acq: 02 Oct 2023 20:59

Tgt Ion: 95 Resp: 85408
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 83.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

Instrument :

MSVOA_Y

ClientSampleId :

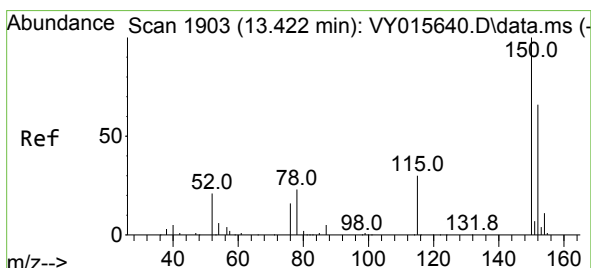
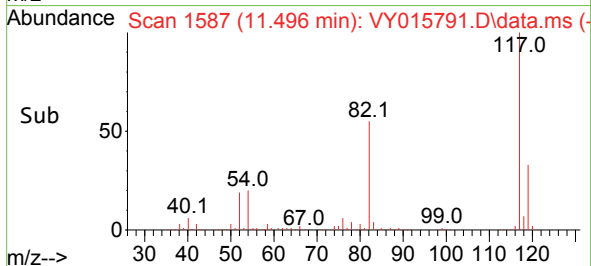
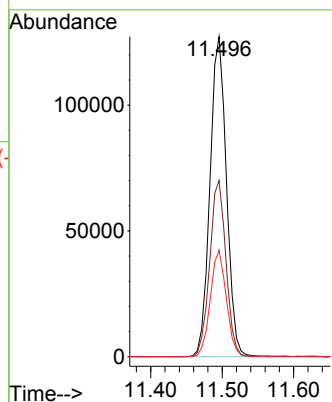
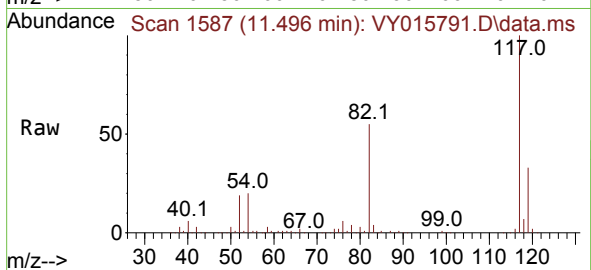
Tgt Ion:117 Resp: 203597

Ion Ratio Lower Upper

117 100

82 55.0 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. 0.006 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

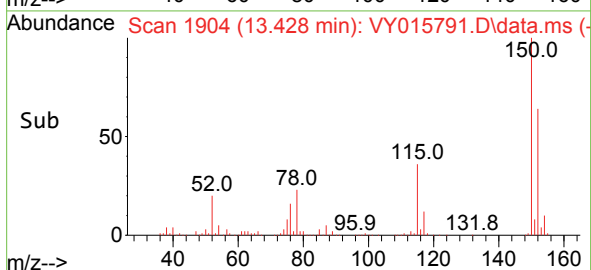
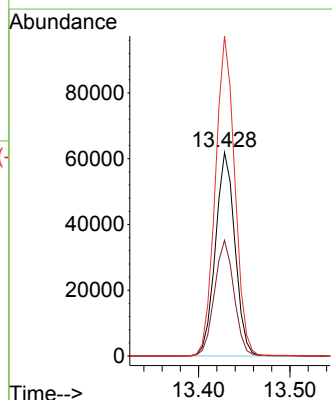
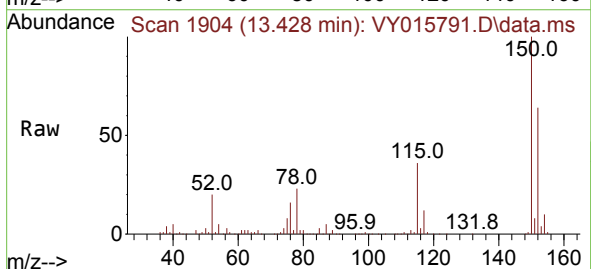
Tgt Ion:152 Resp: 92040

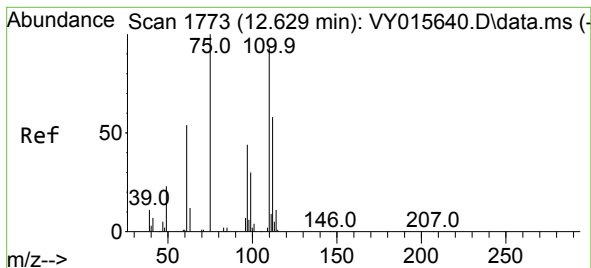
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 156.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 30.973 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

Instrument :

MSVOA_Y

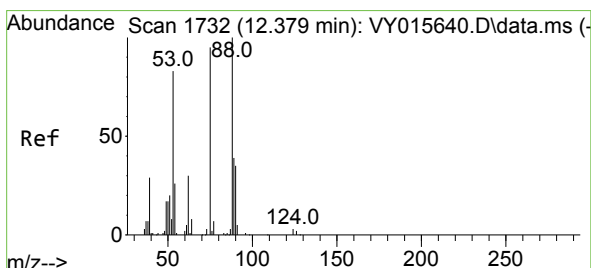
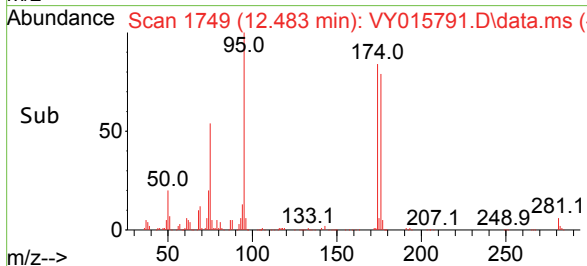
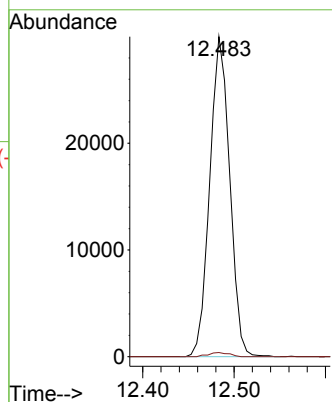
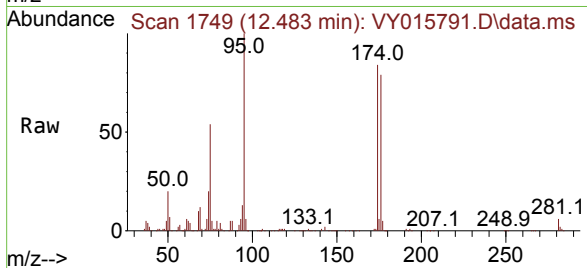
ClientSampleId :

Tgt Ion: 75 Resp: 45479

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.748 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015791.D

Acq: 02 Oct 2023 20:59

Tgt Ion: 75 Resp: 45479

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

