

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015892.D
 Acq On : 10 Oct 2023 13:20
 Operator : SY/MD
 Sample : 04791-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:19:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

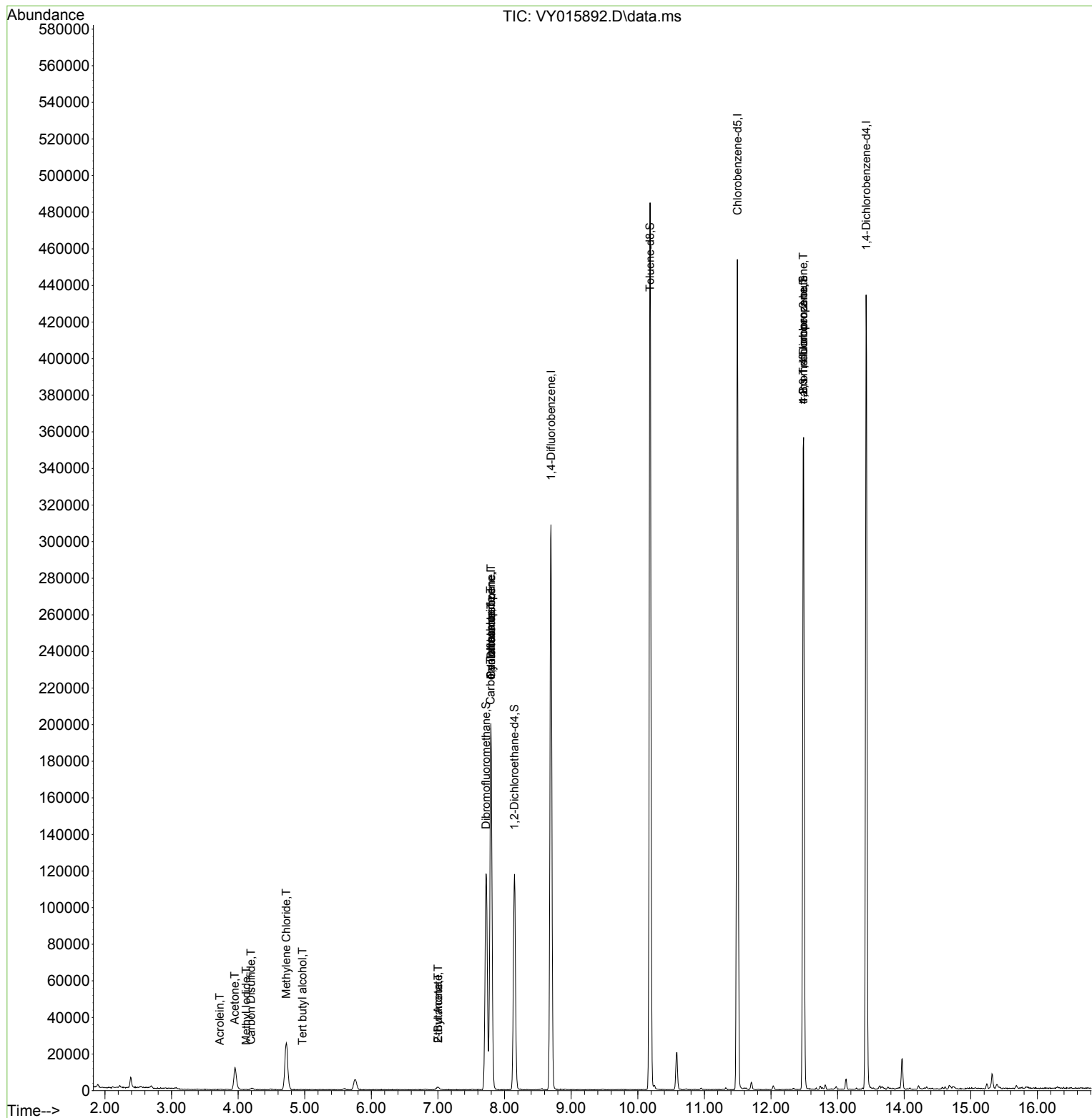
Internal Standards						
1) Pentafluorobenzene	7.795	168	156581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	272246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	252396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	92787	65.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.720%	
35) Dibromofluoromethane	7.722	113	87664	57.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.460%	
50) Toluene-d8	10.185	98	323425	64.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 129.260%	
62) 4-Bromofluorobenzene	12.483	95	107297	52.784	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.560%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.119	142	200	2.434	ug/l #	38
11) Tert butyl alcohol	4.966	59	95	11.075	ug/l #	89
13) Acrolein	3.723	56	136	1.579	ug/l #	51
16) Acetone	3.948	43	21689	36.520	ug/l	94
17) Carbon Disulfide	4.192	76	229	2.887	ug/l #	76
20) Methylene Chloride	4.723	84	19979	5.174	ug/l #	85
25) 2-Butanone	7.003	43	2388	3.090	ug/l #	78
31) Cyclohexane	7.795	56	3187	2.112	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	12124	7.209	ug/l #	49
37) Ethyl Acetate	7.003	43	2388	1.653	ug/l #	71
38) Carbon Tetrachloride	7.789	117	15441	7.645	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	55541	41.570	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55541	92.181	ug/l #	11

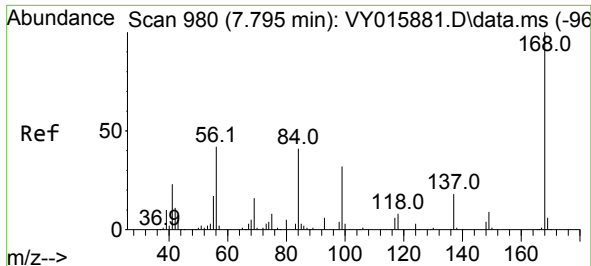
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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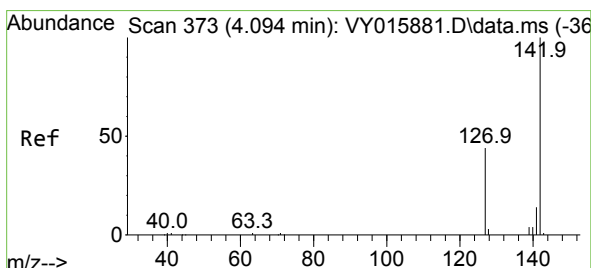
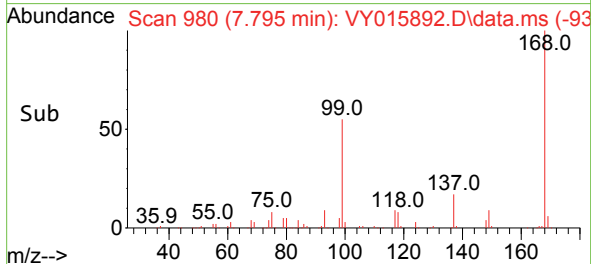
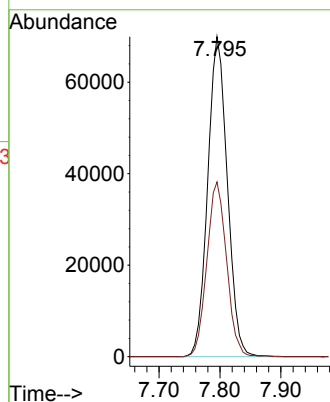
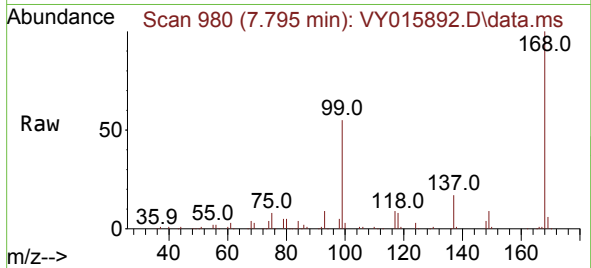




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

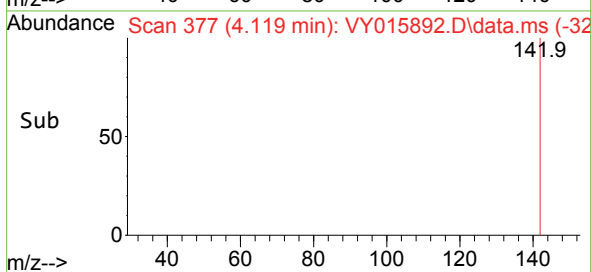
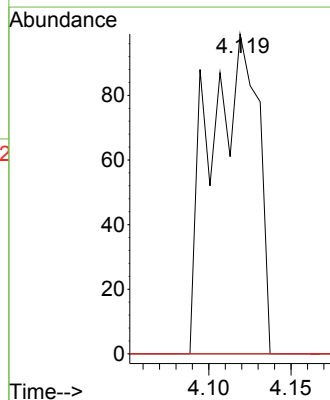
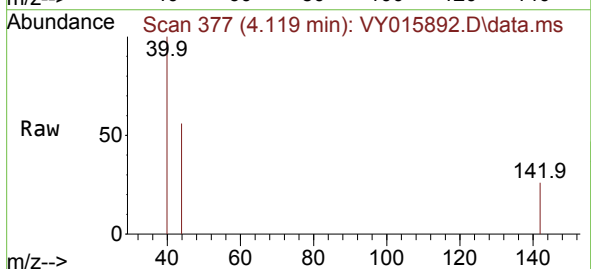
Instrument :
MSVOA_Y
ClientSampleId :

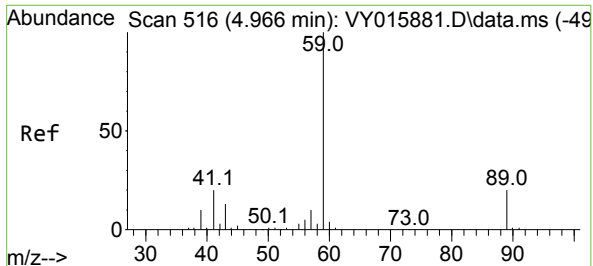
Tgt Ion:168 Resp: 156581
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.434 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.025 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Tgt Ion:142 Resp: 200
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

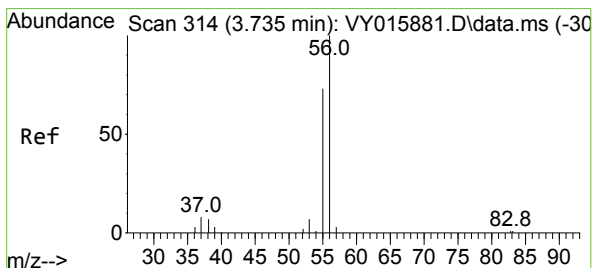
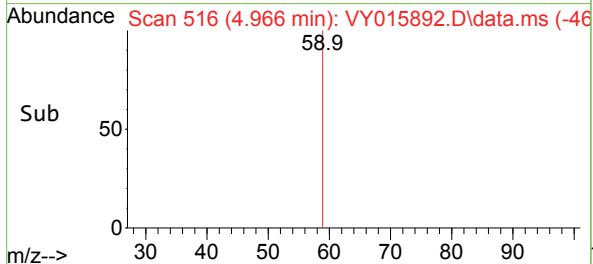
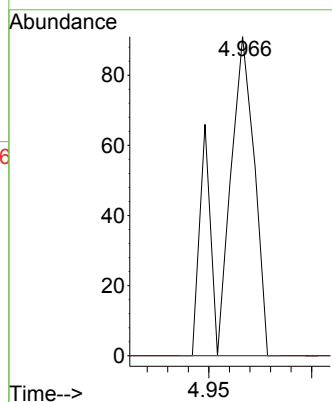
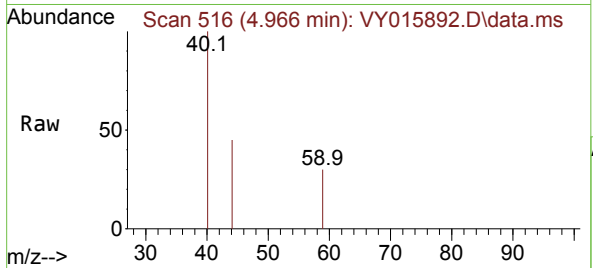




#11
Tert butyl alcohol
Concen: 11.075 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

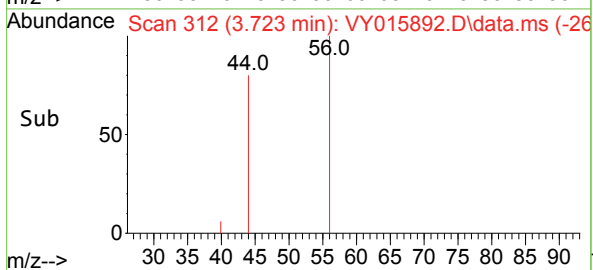
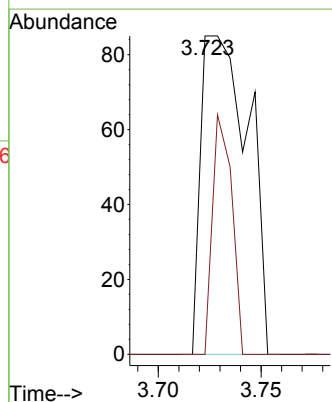
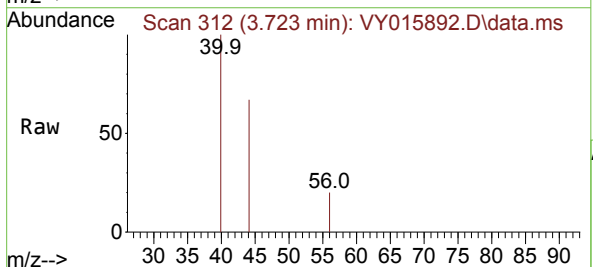
Instrument :
MSVOA_Y
ClientSampleId :

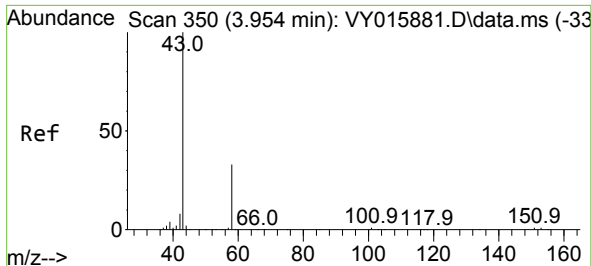
Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 1.579 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.012 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 30.9 57.0 85.4#





#16

Acetone

Concen: 36.520 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY015892.D

Acq: 10 Oct 2023 13:20

Instrument :

MSVOA_Y

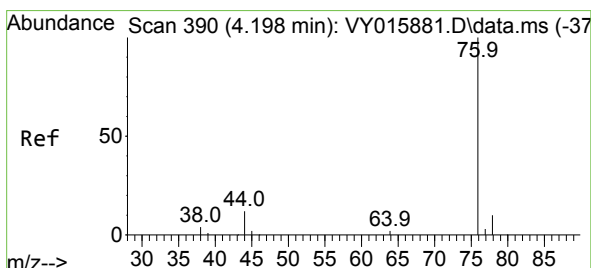
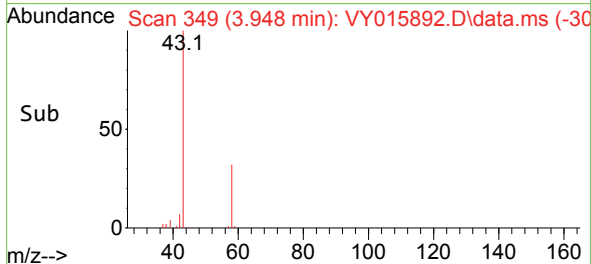
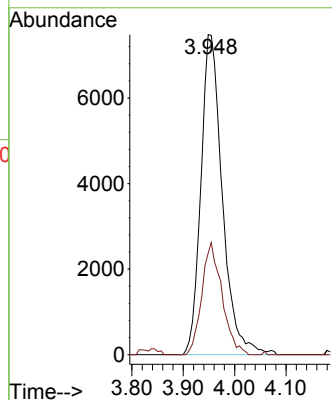
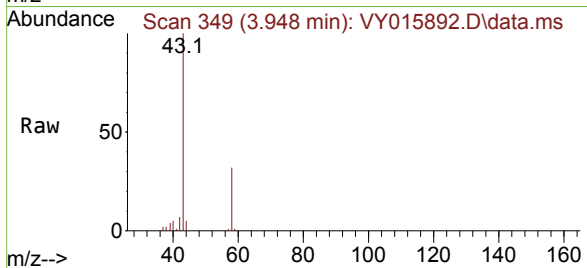
ClientSampleId :

Tgt Ion: 43 Resp: 21689

Ion Ratio Lower Upper

43 100

58 31.8 22.7 34.1



#17

Carbon Disulfide

Concen: 2.887 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.006 min

Lab File: VY015892.D

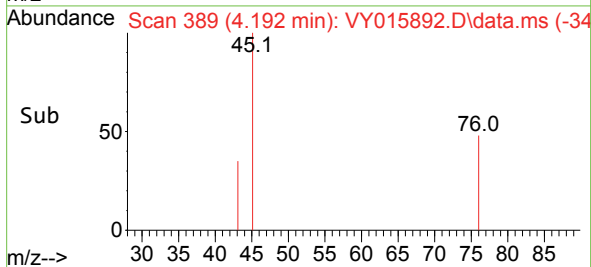
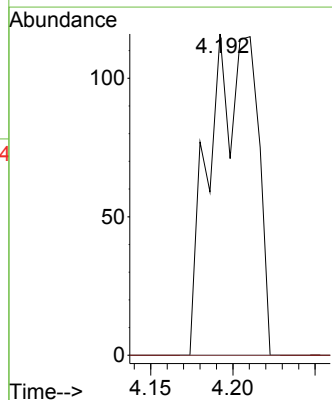
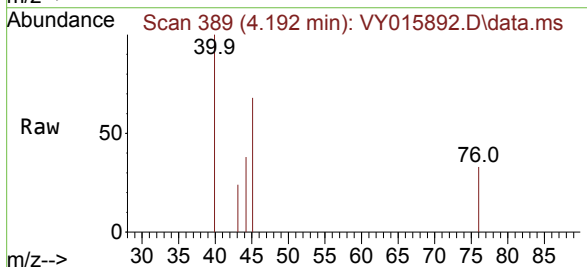
Acq: 10 Oct 2023 13:20

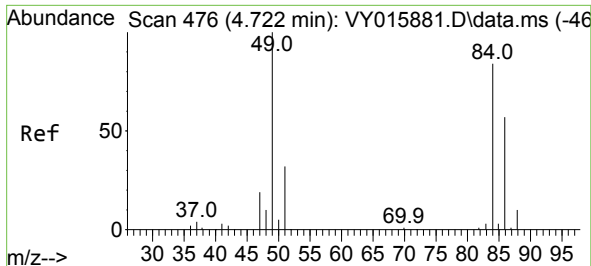
Tgt Ion: 76 Resp: 229

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#





#20

Methylene Chloride

Concen: 5.174 ug/l

RT: 4.723 min Scan# 41

Delta R.T. 0.001 min

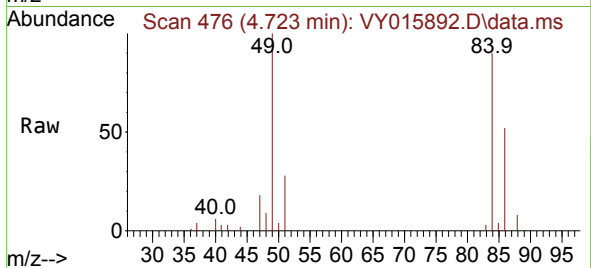
Lab File: VY015892.D

Acq: 10 Oct 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 19979

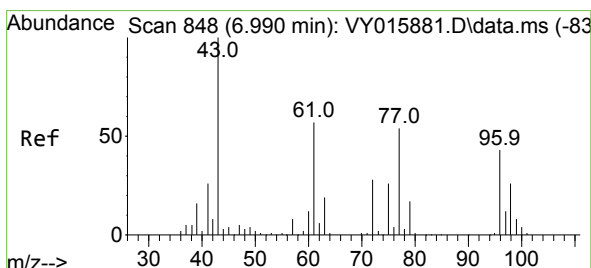
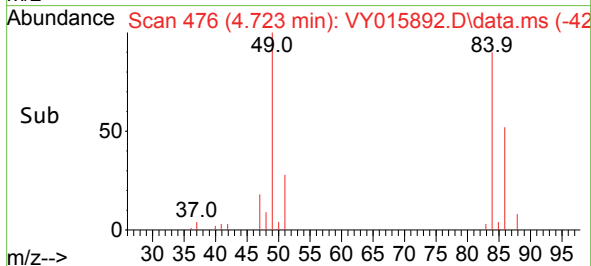
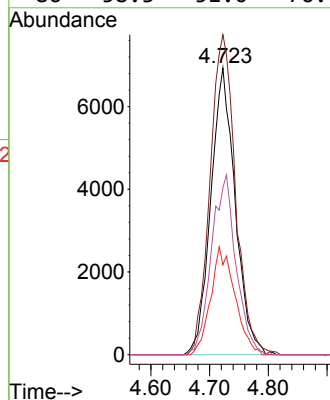
Ion Ratio Lower Upper

84 100

49 111.6 106.9 160.3

51 31.4 33.2 49.8#

86 58.3 51.0 76.6



#25

2-Butanone

Concen: 3.090 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY015892.D

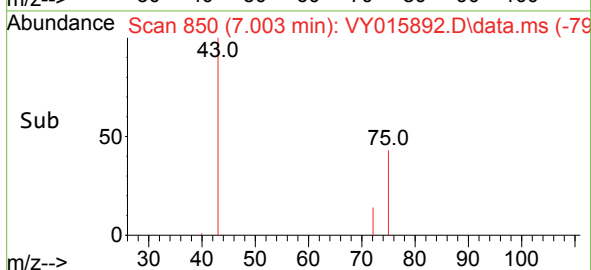
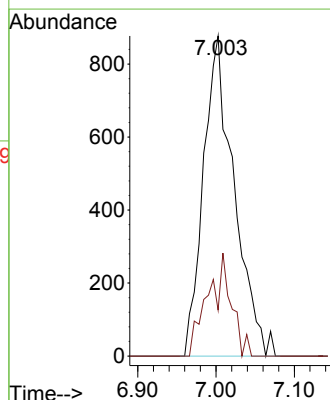
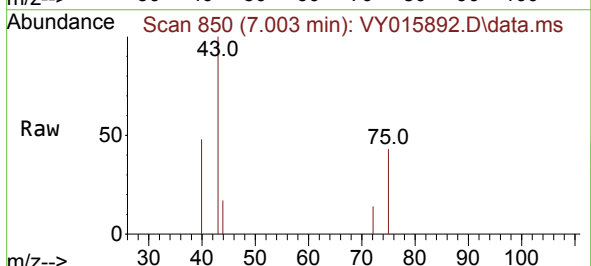
Acq: 10 Oct 2023 13:20

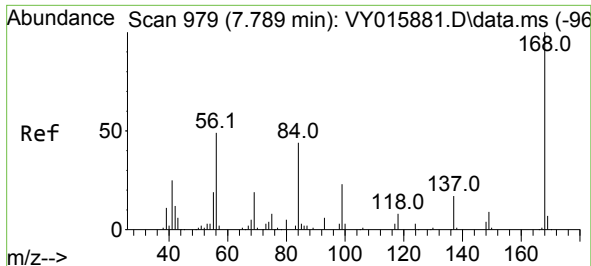
Tgt Ion: 43 Resp: 2388

Ion Ratio Lower Upper

43 100

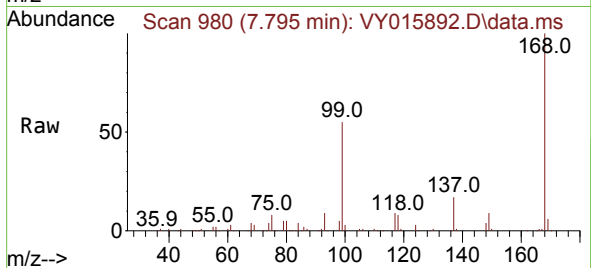
72 14.4 20.5 30.7#



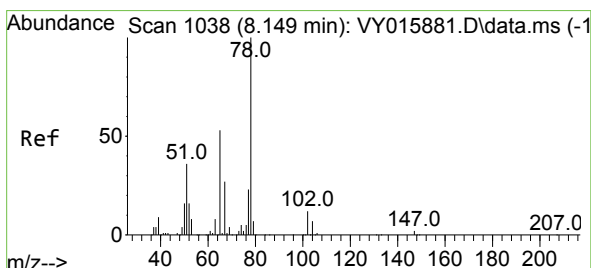
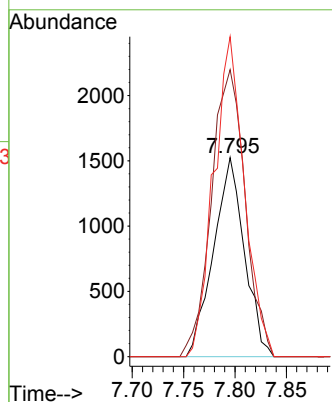
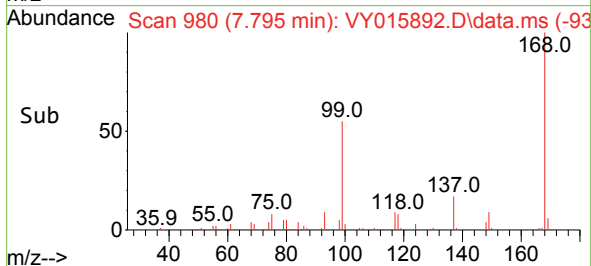


#31
Cyclohexane
Concen: 2.112 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Instrument :
MSVOA_Y
ClientSampleId :

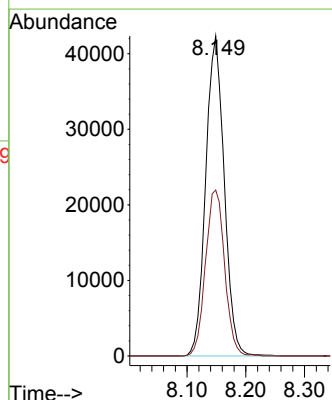
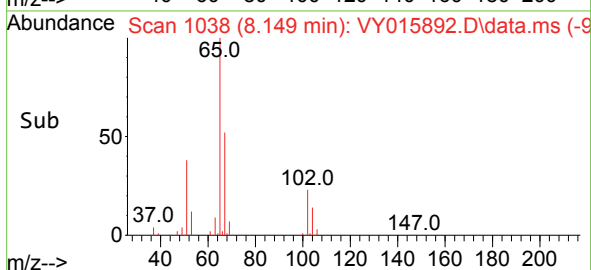
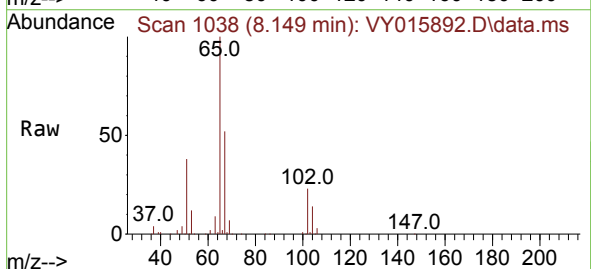


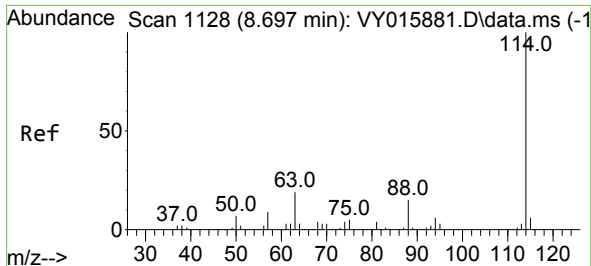
Tgt Ion: 56 Resp: 3187
Ion Ratio Lower Upper
56 100
69 144.2 27.8 41.6#
84 160.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 65.857 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Tgt Ion: 65 Resp: 92787
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# 1128

Delta R.T. 0.000 min

Lab File: VY015892.D

Acq: 10 Oct 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

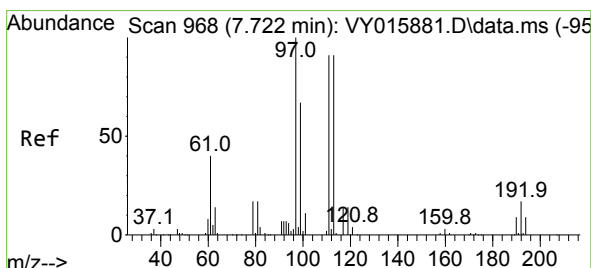
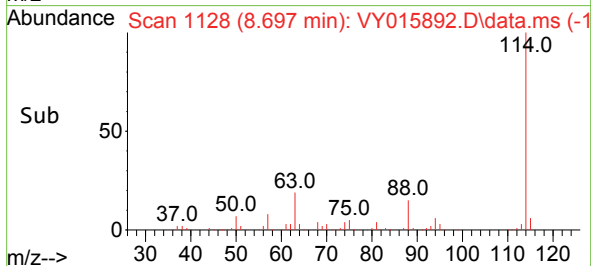
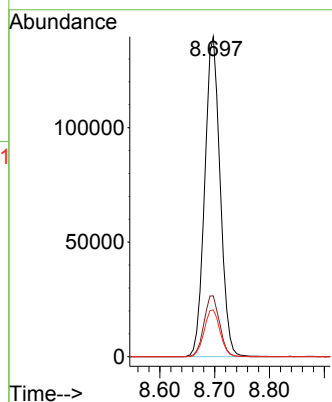
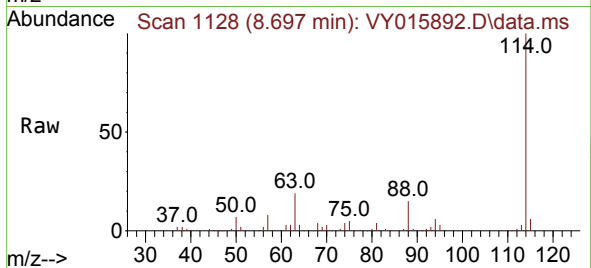
Tgt Ion:114 Resp: 272246

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.730 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015892.D

Acq: 10 Oct 2023 13:20

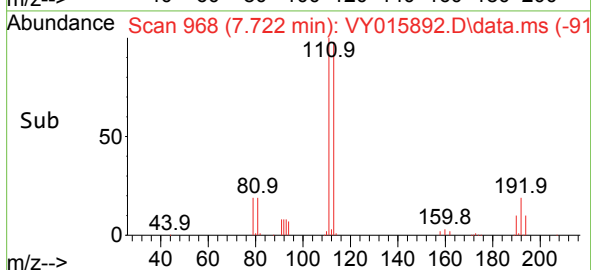
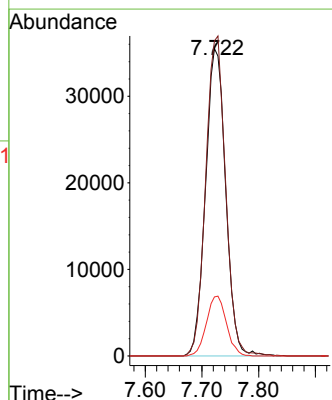
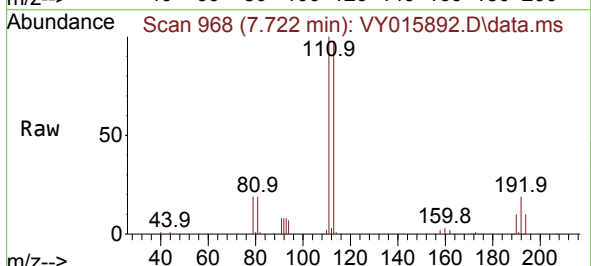
Tgt Ion:113 Resp: 87664

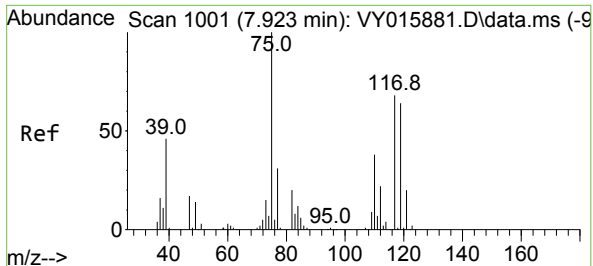
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

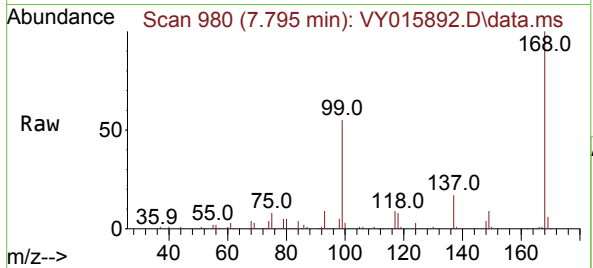
192 19.3 16.9 25.3



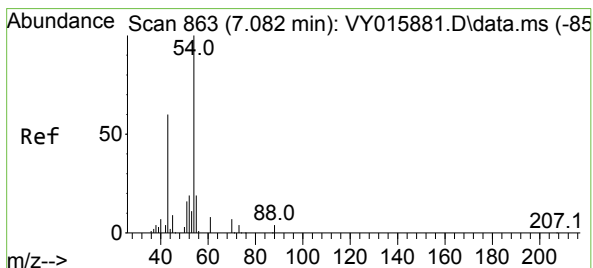
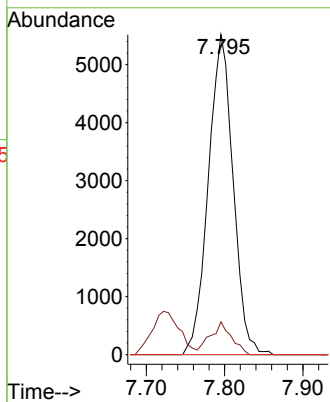
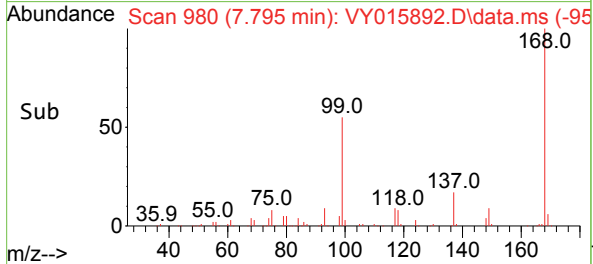


#36
1,1-Dichloropropene
Concen: 7.209 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

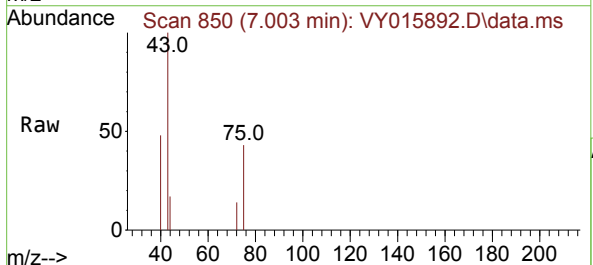
Instrument :
MSVOA_Y
ClientSampleId :



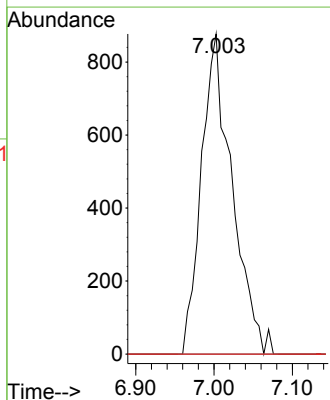
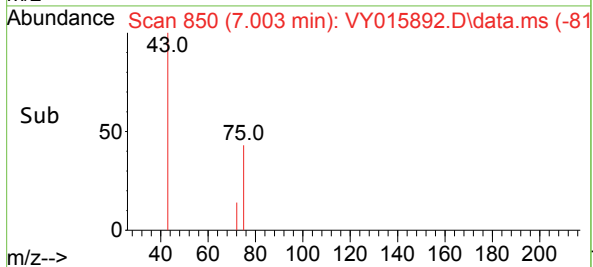
Tgt Ion: 75 Resp: 12124
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#

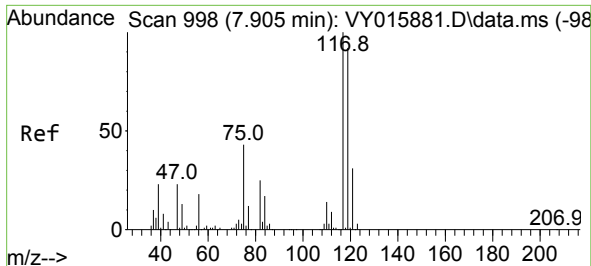


#37
Ethyl Acetate
Concen: 1.653 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20



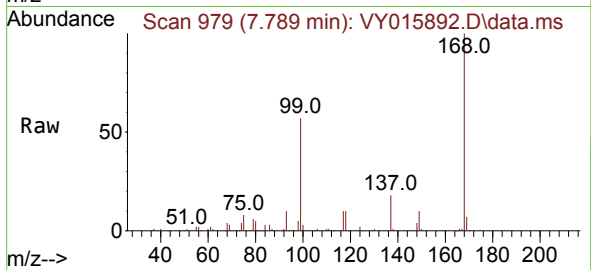
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



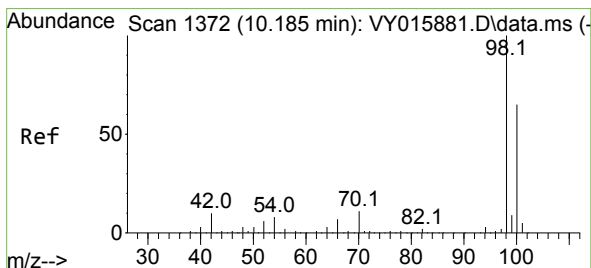
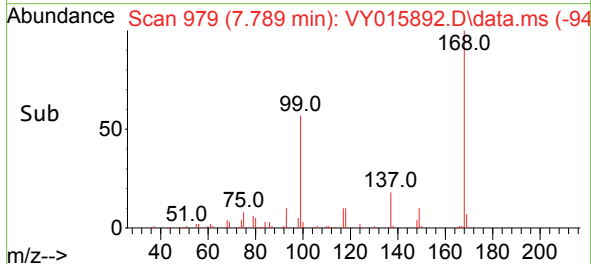
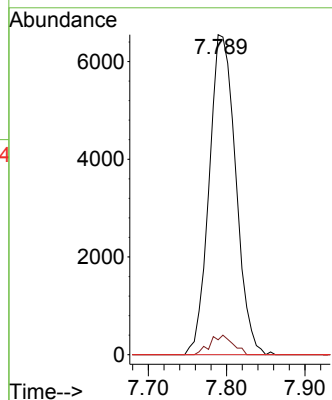


#38
Carbon Tetrachloride
Concen: 7.645 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Instrument :
MSVOA_Y
ClientSampleId :

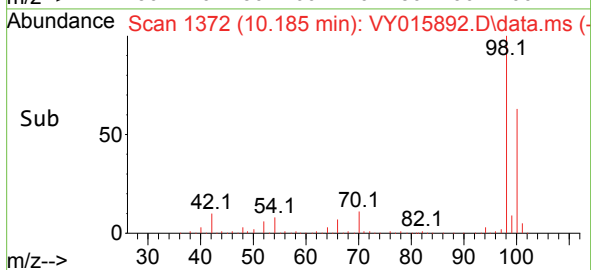
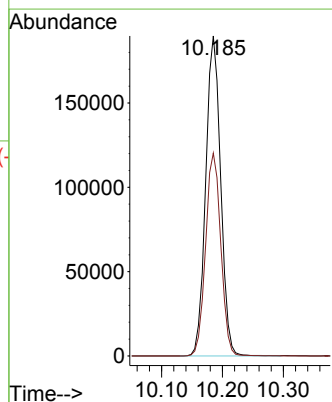
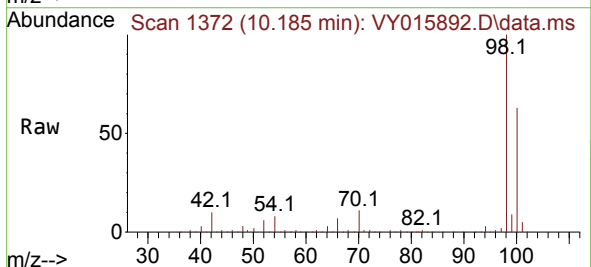


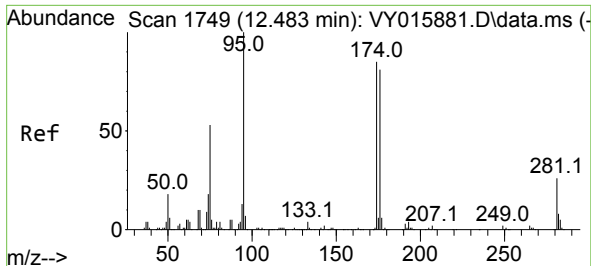
Tgt Ion:117 Resp: 15441
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 64.625 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Tgt Ion: 98 Resp: 323425
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1

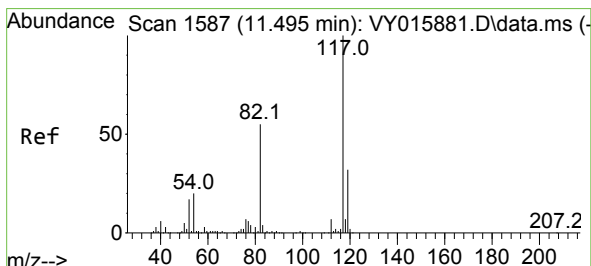
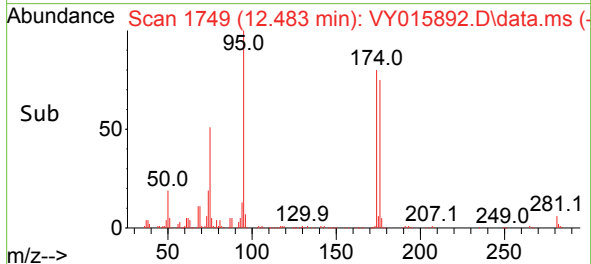
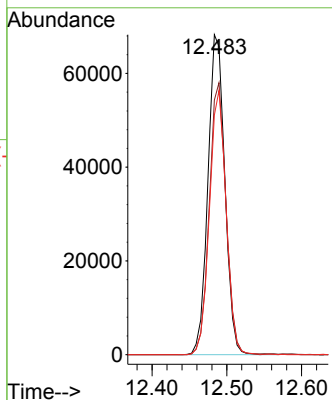
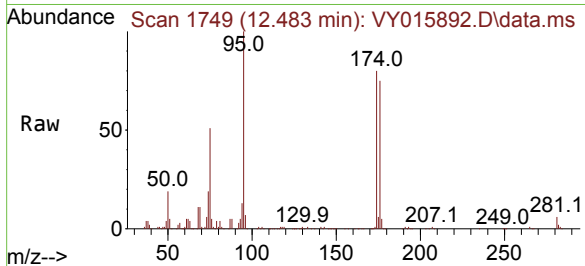




#62
4-Bromofluorobenzene
Concen: 52.784 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

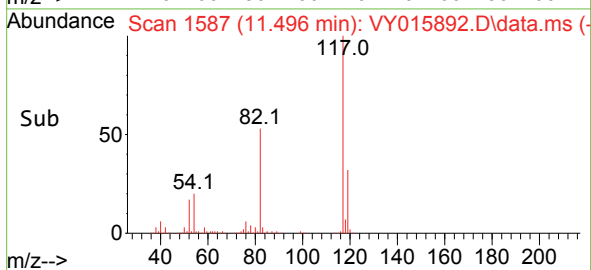
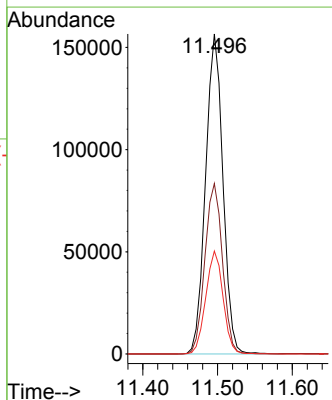
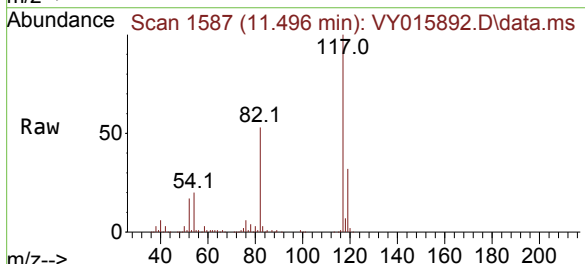
Instrument :
MSVOA_Y
ClientSampleId :

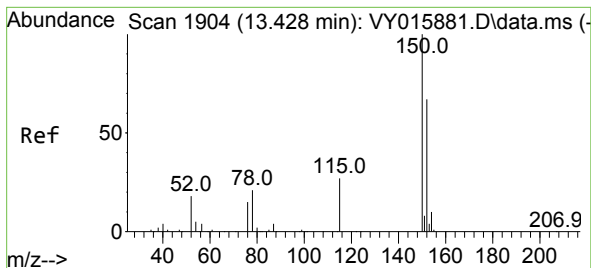
Tgt Ion: 95 Resp: 107297
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015892.D
Acq: 10 Oct 2023 13:20

Tgt Ion: 117 Resp: 252396
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

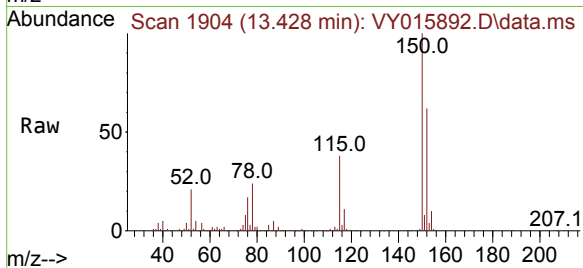
Lab File: VY015892.D

Acq: 10 Oct 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :



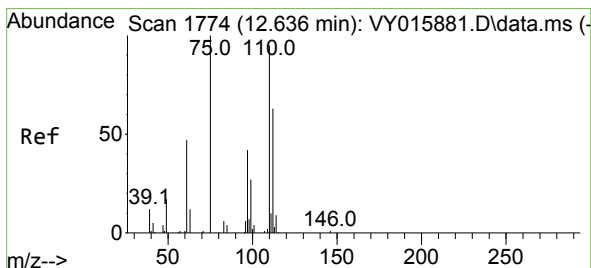
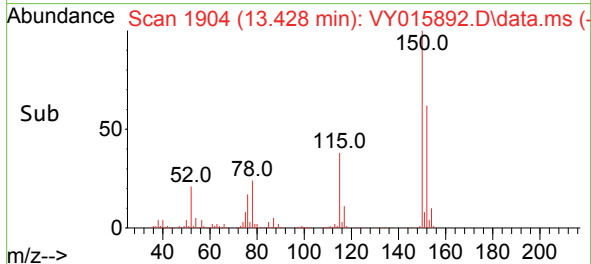
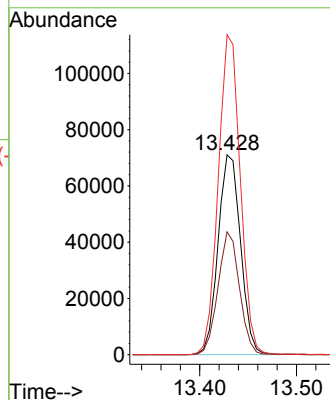
Tgt Ion:152 Resp: 114452

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 157.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.570 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015892.D

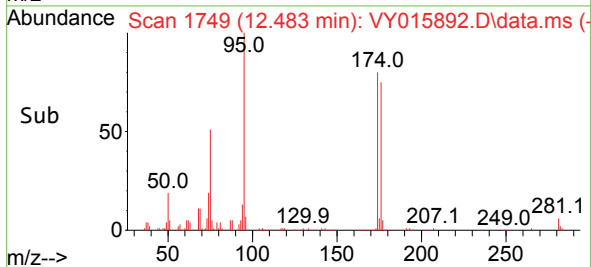
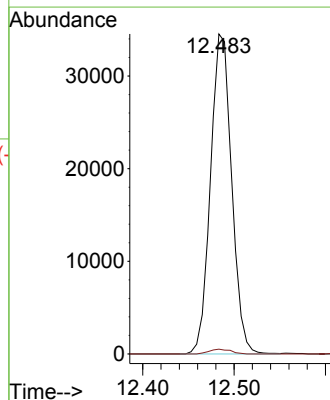
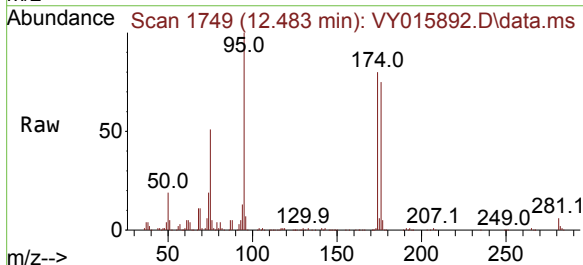
Acq: 10 Oct 2023 13:20

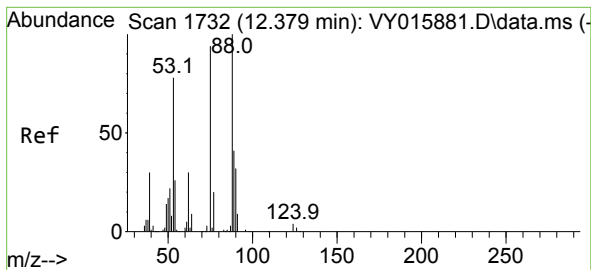
Tgt Ion: 75 Resp: 55541

Ion Ratio Lower Upper

75 100

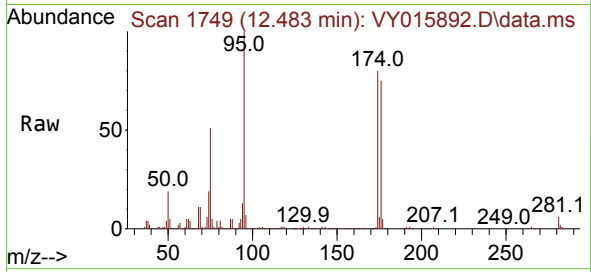
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.181 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015892.D
 Acq: 10 Oct 2023 13:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 55541
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

