

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019891.D
 Acq On : 14 Oct 2024 14:55
 Operator : SY/MD
 Sample : P4376-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:37:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

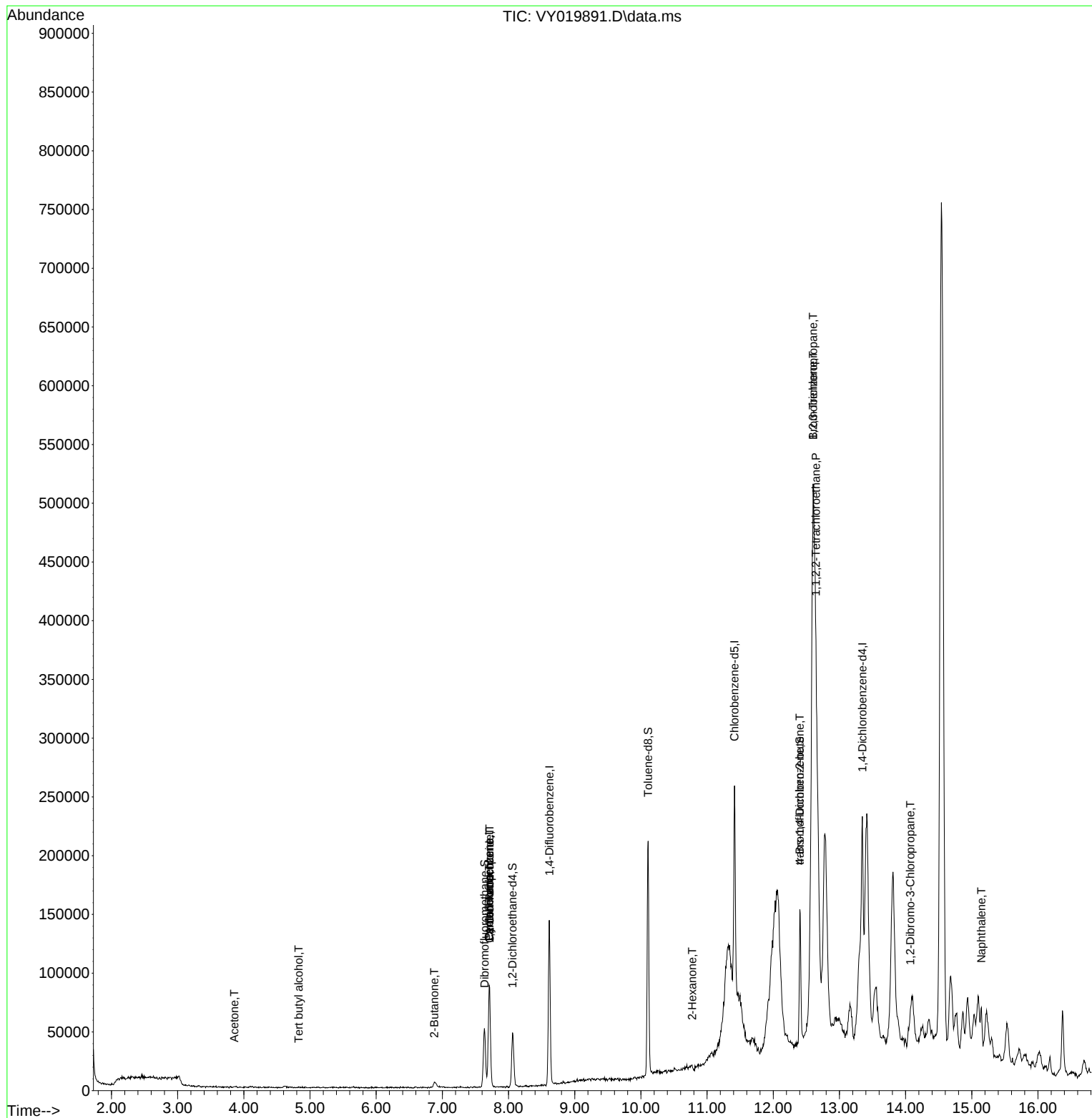
Internal Standards						
1) Pentafluorobenzene	7.707	168	60297	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	109658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	87969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	39983	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	36141	48.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.360%
35) Dibromofluoromethane	7.640	113	35089	48.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.980%
50) Toluene-d8	10.109	98	127150	47.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.402	95	37722	39.068	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	78.140%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.830	59	140	2.013	ug/l	# 88
16) Acetone	3.854	43	1178	6.095	ug/l	# 36
25) 2-Butanone	6.878	43	351	1.357	ug/l	# 41
31) Cyclohexane	7.707	56	1962	1.582	ug/l	# 10
36) 1,1-Dichloropropene	7.713	75	5937	5.695	ug/l	# 52
38) Carbon Tetrachloride	7.713	117	6645	5.946	ug/l	# 15
59) 2-Hexanone	10.774	43	652	1.614	ug/l	# 19
75) 1,1,2,2-Tetrachloroethane	12.645	83	1289	2.157	ug/l	74
76) 1,2,3-Trichloropropane	12.603	75	28218	36.026	ug/l	# 100
77) Bromobenzene	12.603	156	588753	824.970	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.402	75	20754	106.951	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.072	75	1132	11.870	ug/l	# 5
95) Naphthalene	15.145	128	28973	21.634	ug/l	98

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

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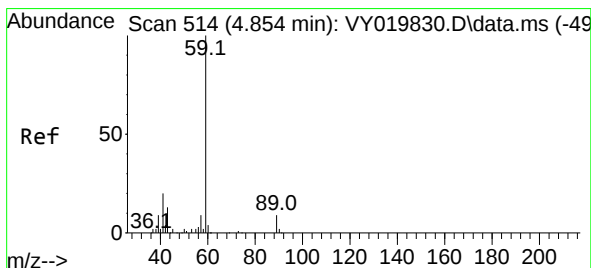
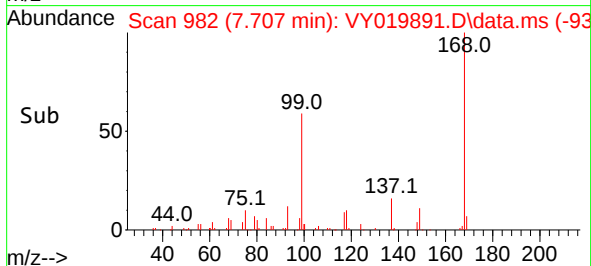
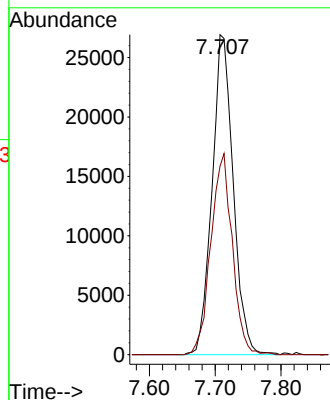
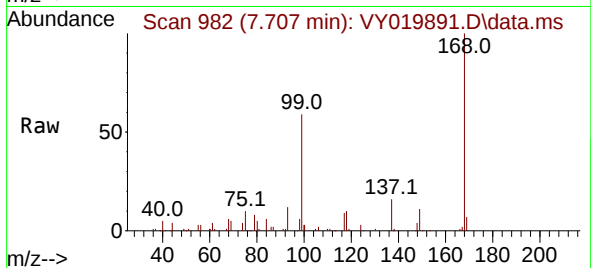




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

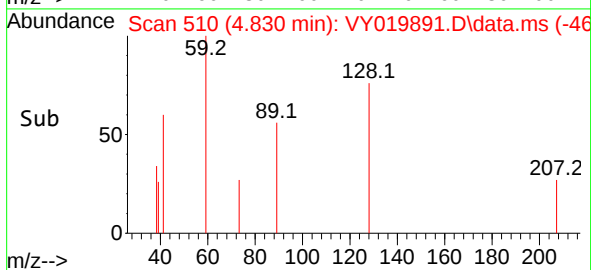
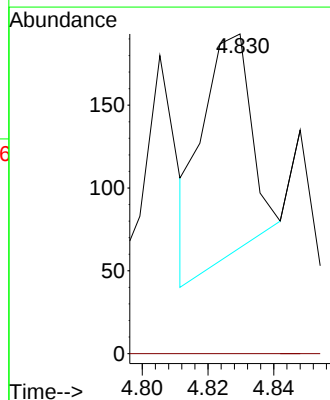
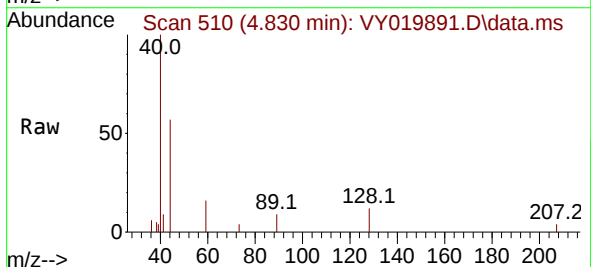
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 60297
Ion Ratio Lower Upper
168 100
99 58.9 39.1 58.7#



#11
Tert butyl alcohol
Concen: 2.013 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

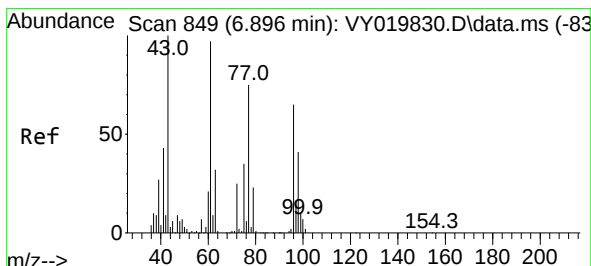
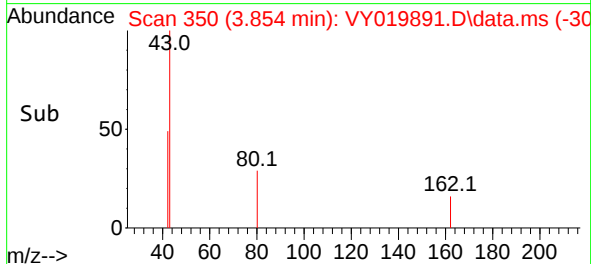
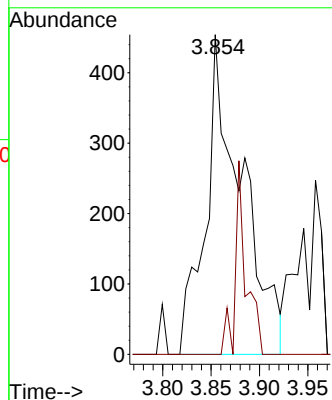
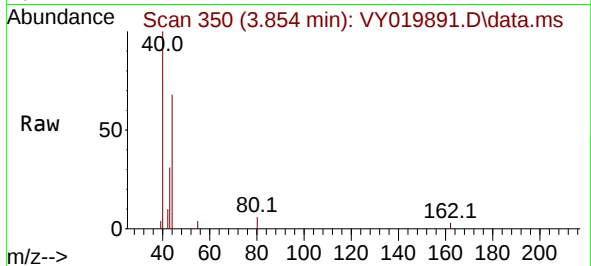




#16
Acetone
Concen: 6.095 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

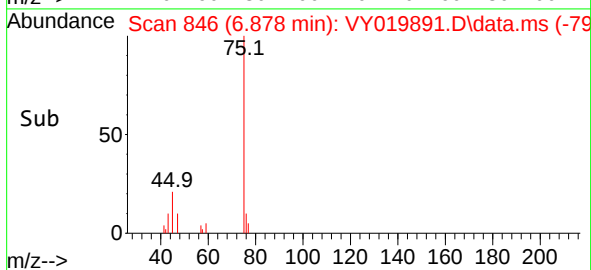
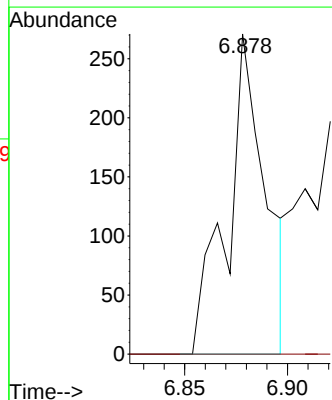
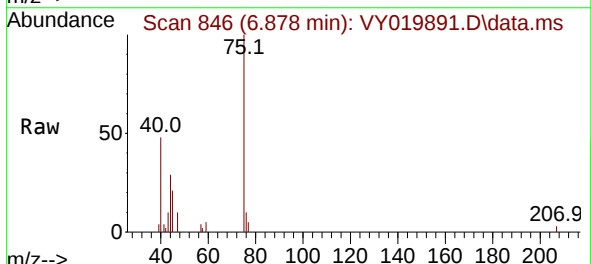
Instrument :
MSVOA_Y
ClientSampleId :

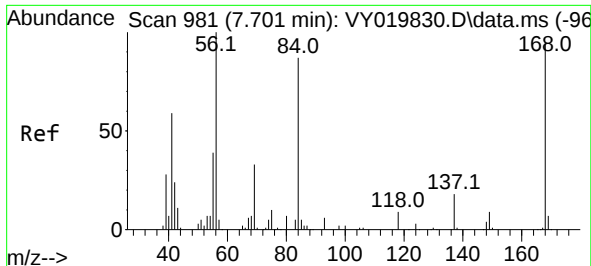
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#25
2-Butanone
Concen: 1.357 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#

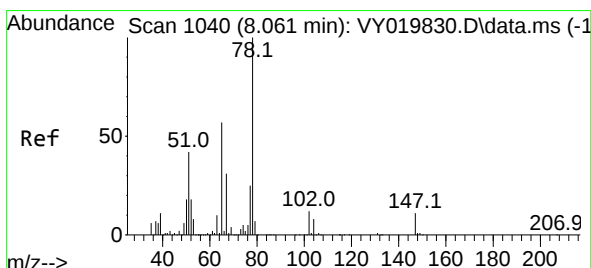
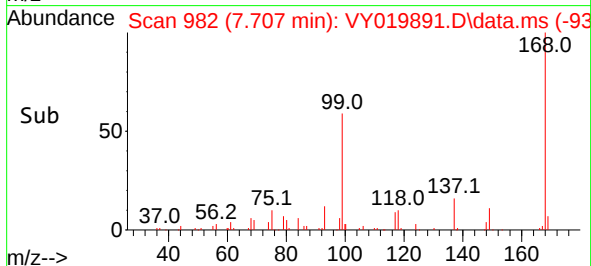
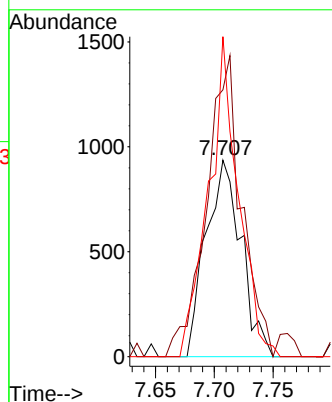
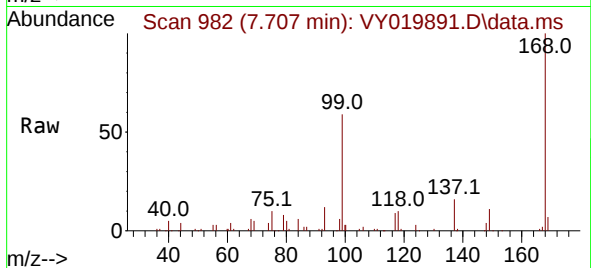




#31
Cyclohexane
Concen: 1.582 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

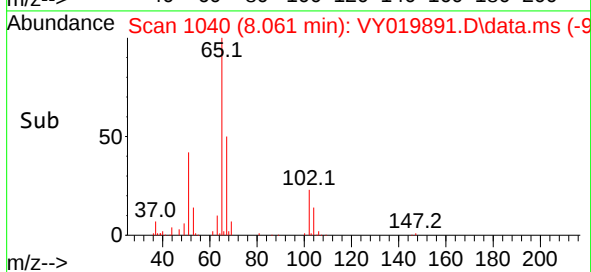
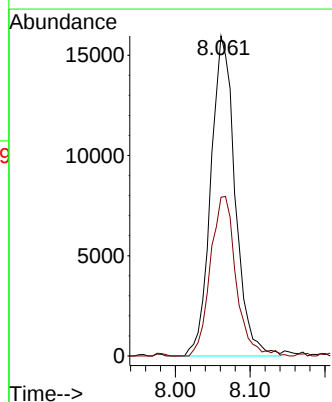
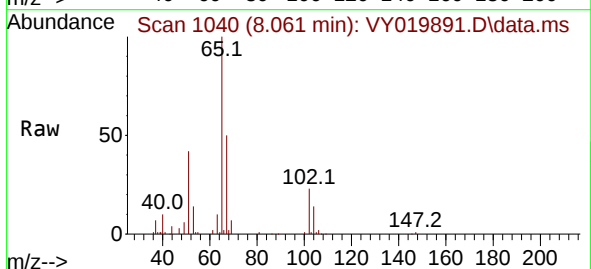
Instrument :
MSVOA_Y
ClientSampleId :

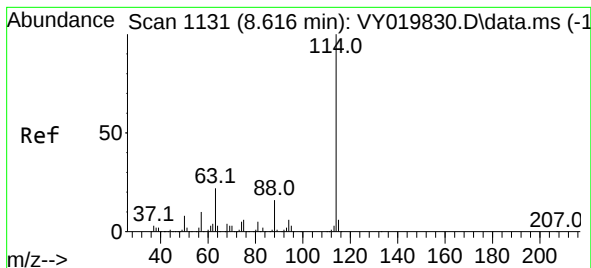
Tgt Ion: 56 Resp: 1962
Ion Ratio Lower Upper
56 100
69 124.6 28.7 43.1#
84 162.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.679 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion: 65 Resp: 36141
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

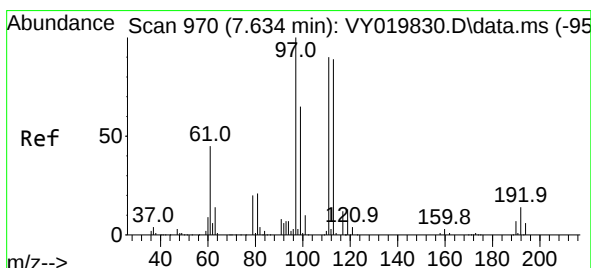
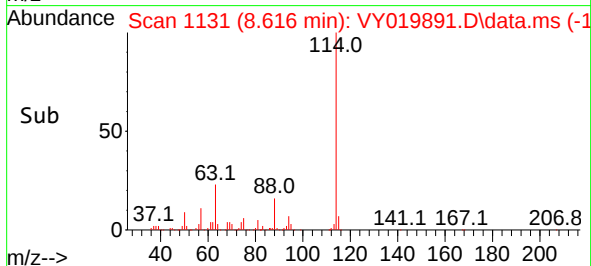
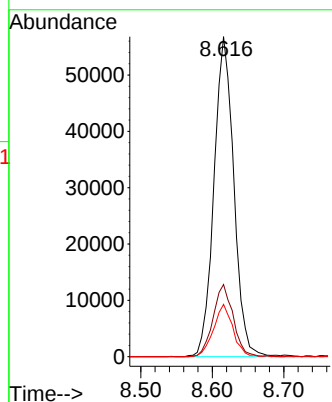
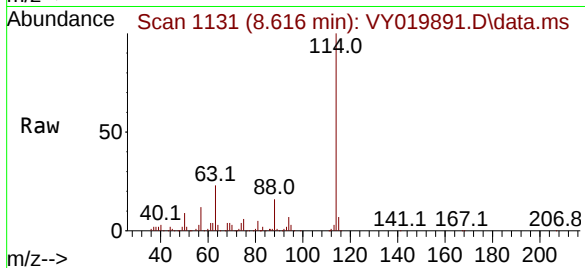
Tgt Ion:114 Resp: 109658

Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.0

88 16.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.491 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

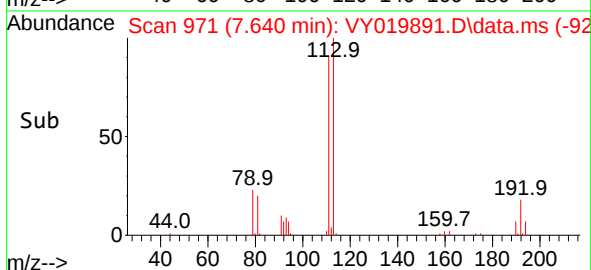
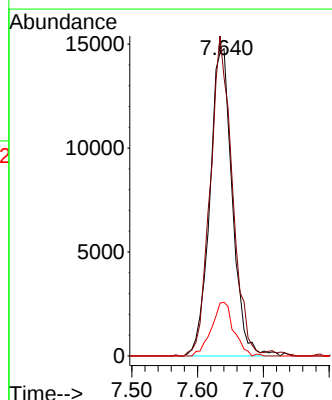
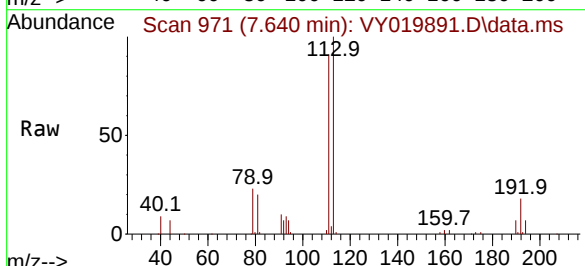
Tgt Ion:113 Resp: 35089

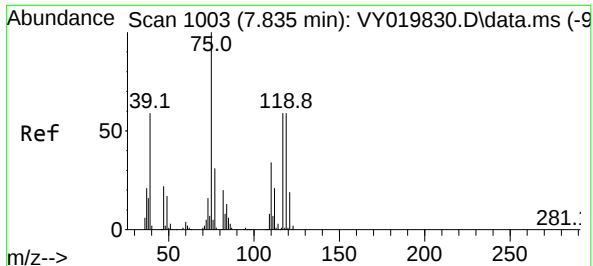
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 17.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.695 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

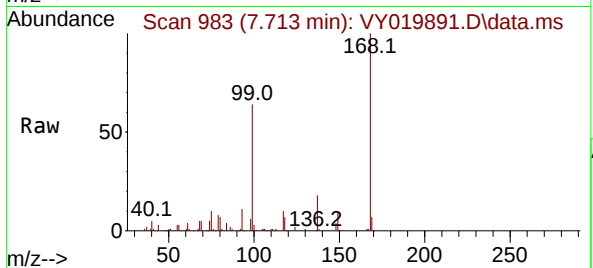
Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

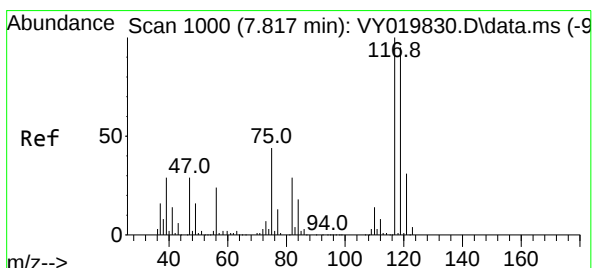
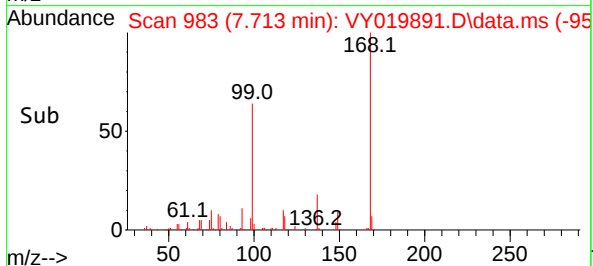
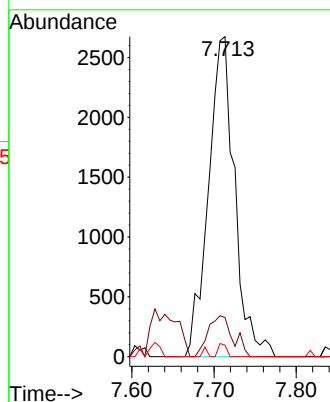
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 5937
Ion Ratio	Lower Upper
75 100	
110 12.1	19.0 57.0#
77 1.3	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.946 ug/l

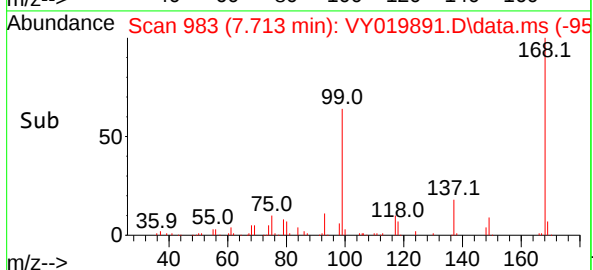
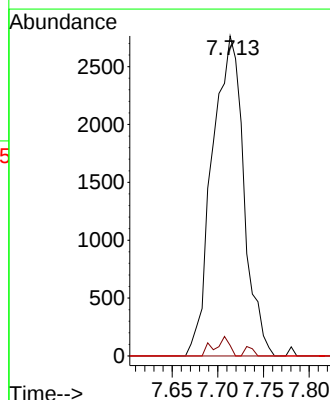
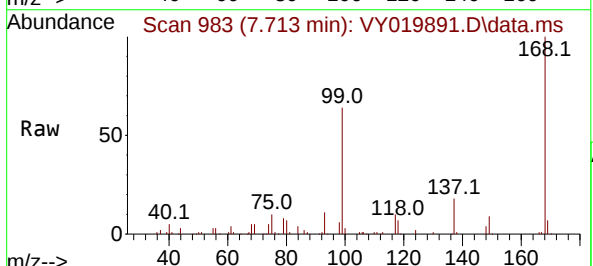
RT: 7.713 min Scan# 983

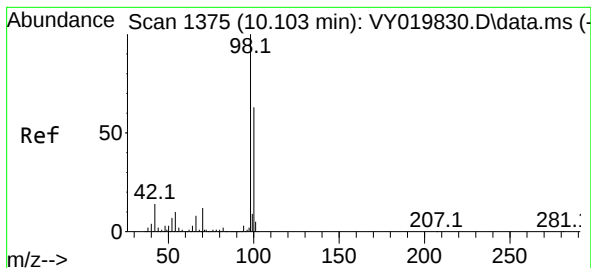
Delta R.T. -0.103 min

Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

Tgt Ion: 117	Resp: 6645
Ion Ratio	Lower Upper
117 100	
119 3.3	75.8 113.6#
121 0.0	24.0 36.0#

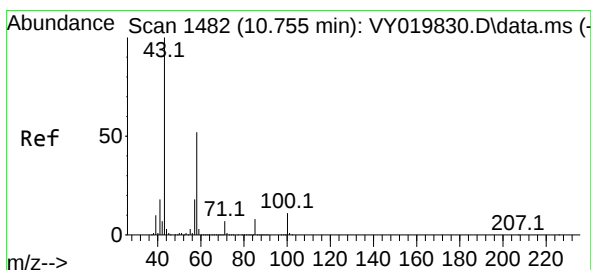
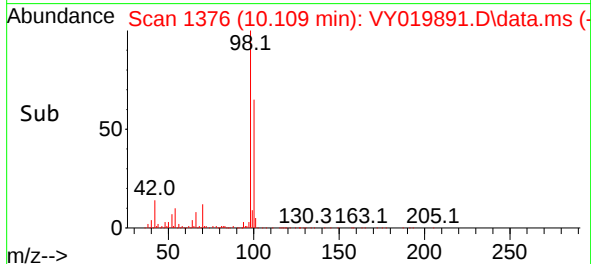
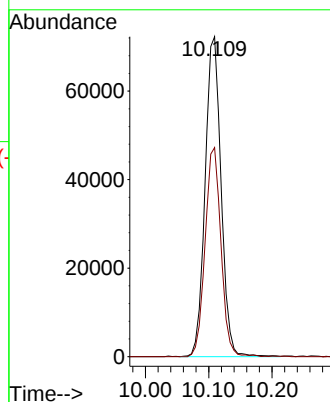
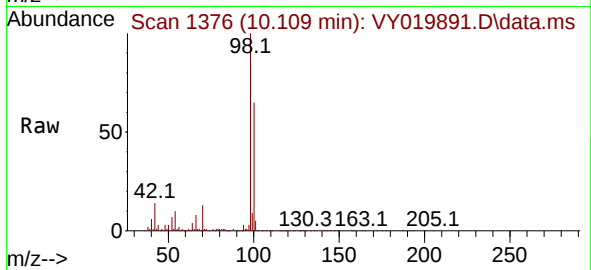




#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

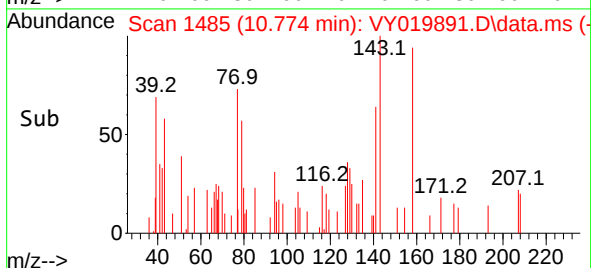
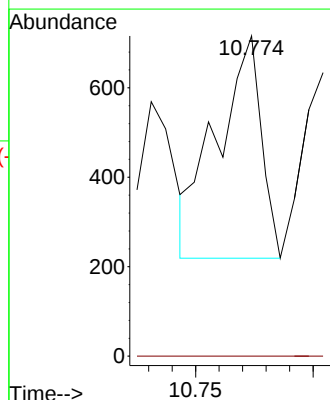
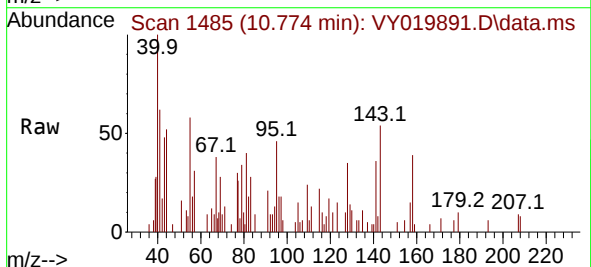
Instrument :
MSVOA_Y
ClientSampleId :

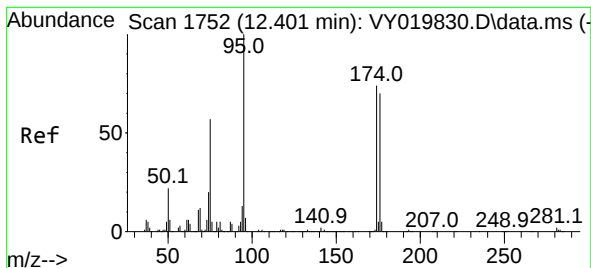
Tgt Ion: 98 Resp: 127150
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#59
2-Hexanone
Concen: 1.614 ug/l
RT: 10.774 min Scan# 1485
Delta R.T. 0.013 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

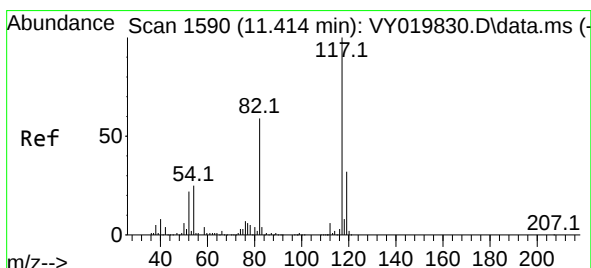
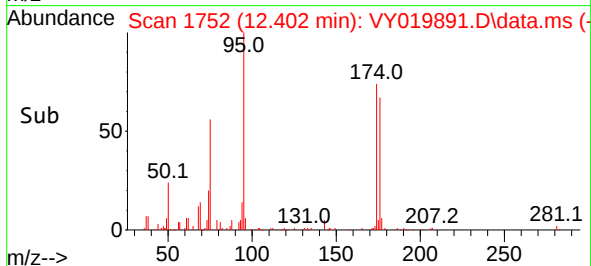
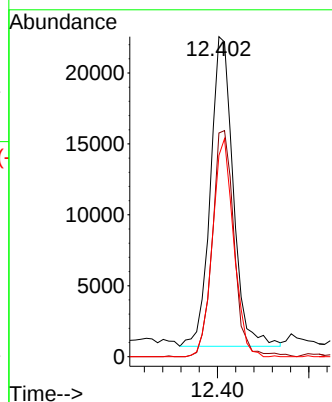
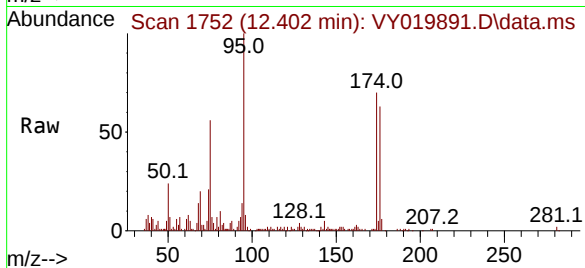




#62
4-Bromofluorobenzene
Concen: 39.068 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

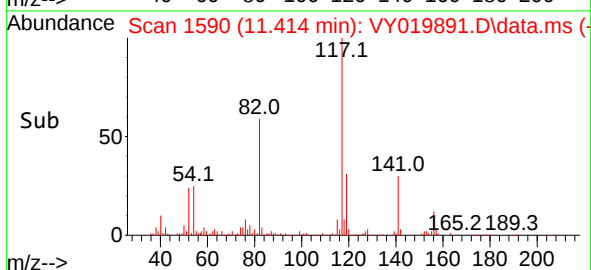
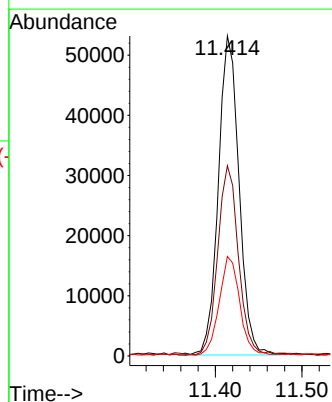
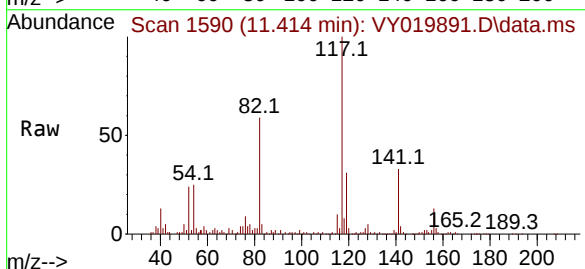
Instrument :
MSVOA_Y
ClientSampleId :

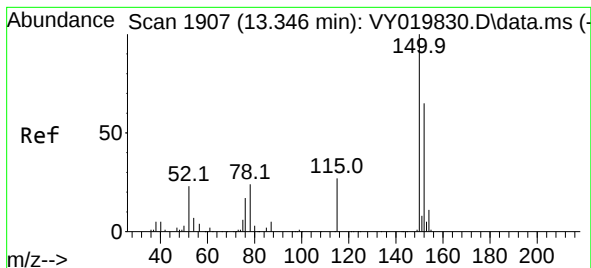
Tgt Ion: 95 Resp: 37722
Ion Ratio Lower Upper
95 100
174 69.5 0.0 175.6
176 65.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion: 117 Resp: 87969
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 30.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

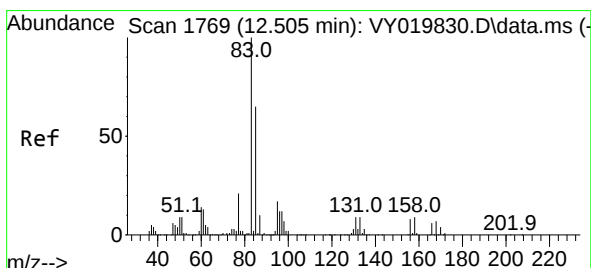
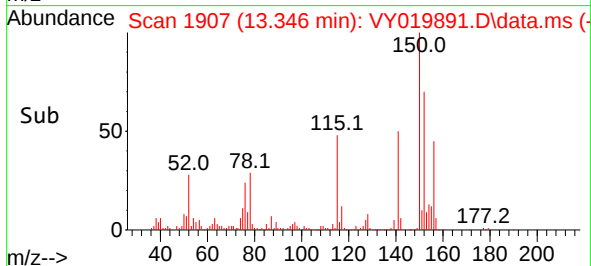
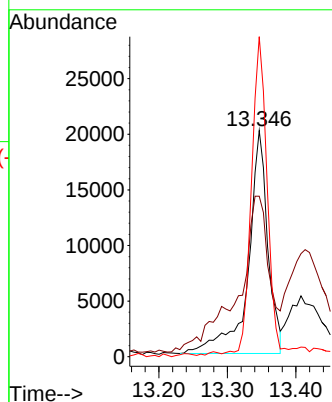
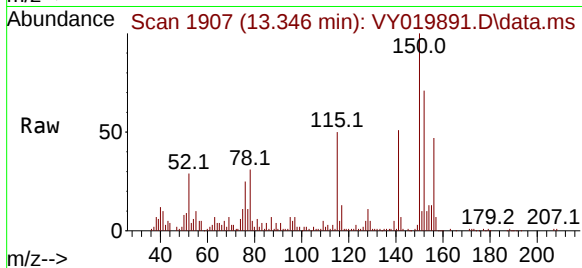
Tgt Ion:152 Resp: 39983

Ion Ratio Lower Upper

152 100

115 112.4 28.2 84.7#

150 111.8 0.0 345.6



#75

1,1,2,2-Tetrachloroethane

Concen: 2.157 ug/l

RT: 12.645 min Scan# 1792

Delta R.T. 0.135 min

Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

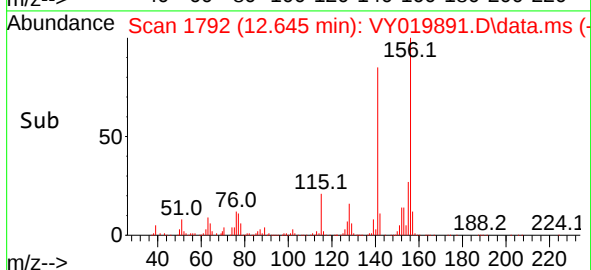
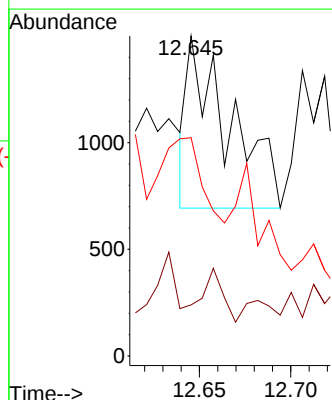
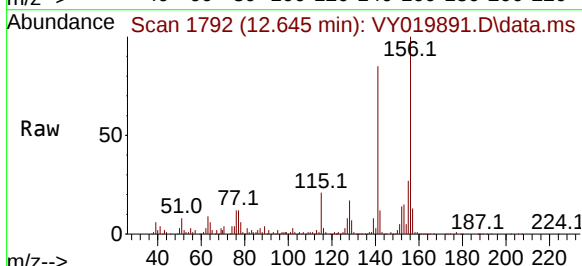
Tgt Ion: 83 Resp: 1289

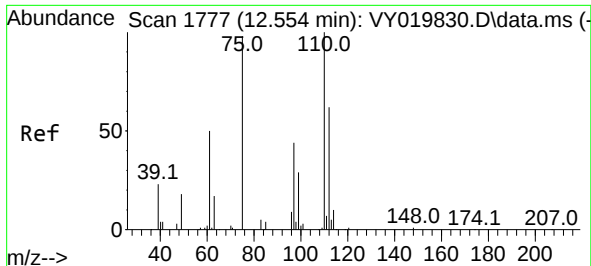
Ion Ratio Lower Upper

83 100

131 13.7 5.0 14.9

85 41.6 32.0 96.0

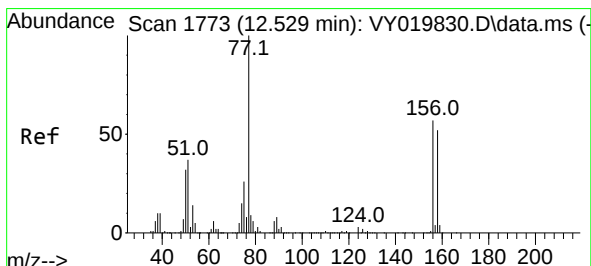
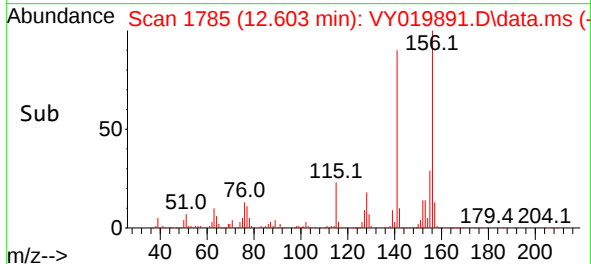
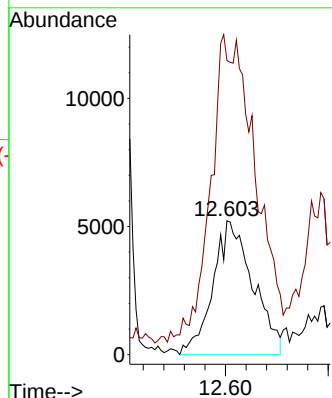
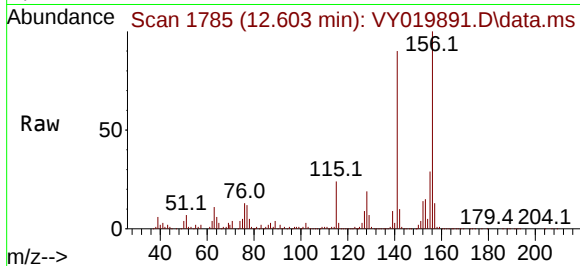




#76
1,2,3-Trichloropropane
Concen: 36.026 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.043 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

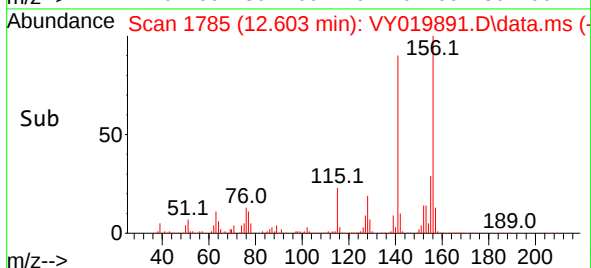
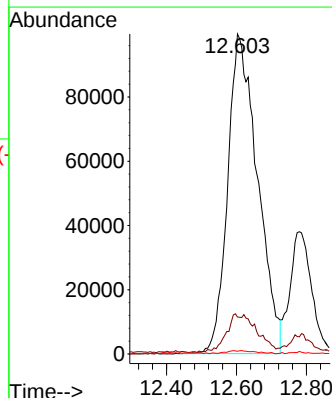
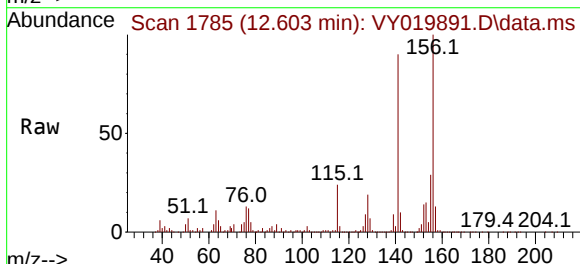
Instrument :
MSVOA_Y
ClientSampleId :

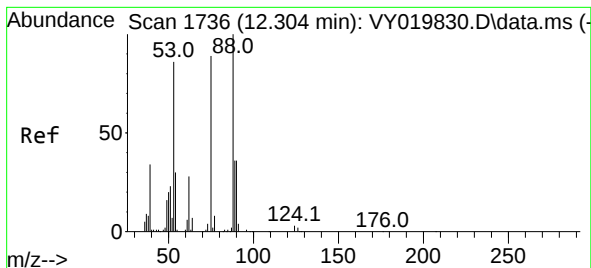
Tgt Ion: 75 Resp: 28218
Ion Ratio Lower Upper
75 100
77 130.6 0.0 0.0#



#77
Bromobenzene
Concen: 824.970 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.067 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion:156 Resp: 588753
Ion Ratio Lower Upper
156 100
77 6.3 87.1 261.3#
158 0.3 48.6 145.9#

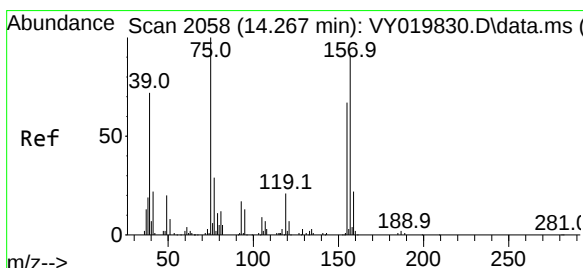
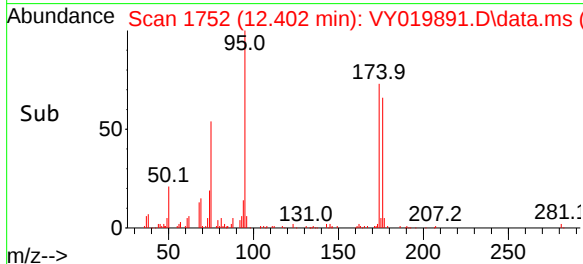
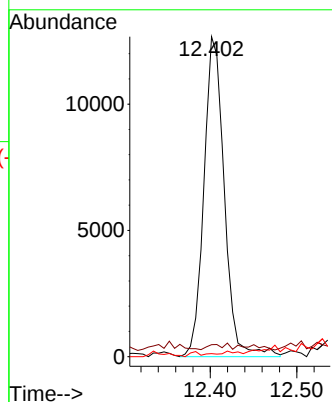
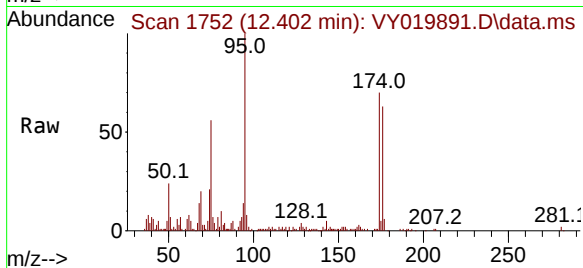




#81
trans-1,4-Dichloro-2-butene
Concen: 106.951 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

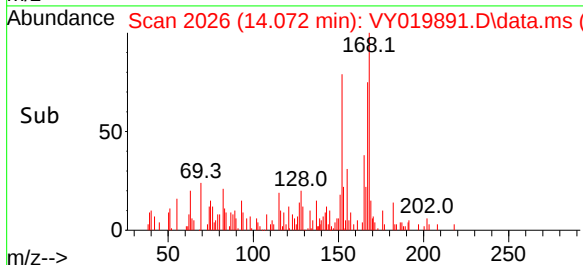
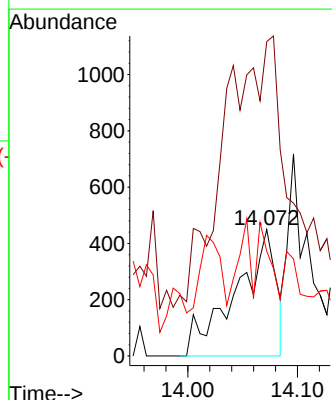
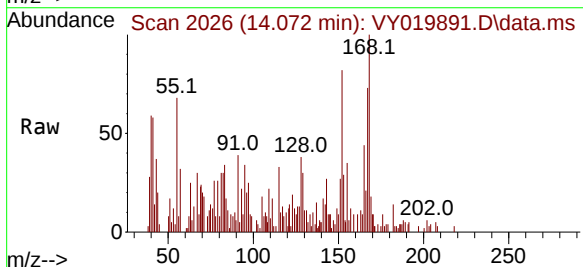
Instrument :
MSVOA_Y
ClientSampleId :

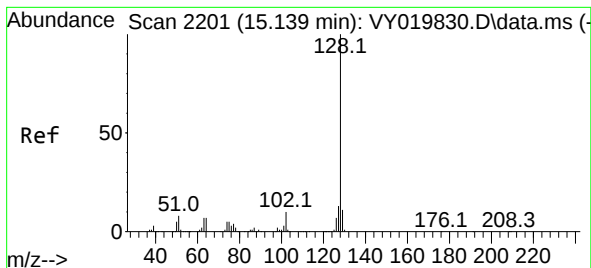
Tgt Ion: 75 Resp: 20754
Ion Ratio Lower Upper
75 100
53 1.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 11.870 ug/l
RT: 14.072 min Scan# 2026
Delta R.T. -0.201 min
Lab File: VY019891.D
Acq: 14 Oct 2024 14:55

Tgt Ion: 75 Resp: 1132
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 20.2 62.7 188.2#





#95

Naphthalene

Concen: 21.634 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

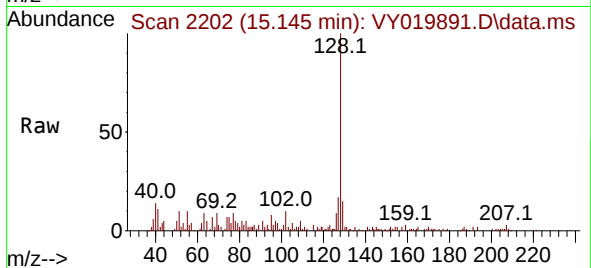
Lab File: VY019891.D

Acq: 14 Oct 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 28973

Ion Ratio Lower Upper

128 100

127 12.2 10.6 16.0

129 10.8 8.6 13.0

