

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
 Data File : VY019765.D
 Acq On : 02 Oct 2024 15:23
 Operator : SY/MD
 Sample : P4258-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 02:03:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

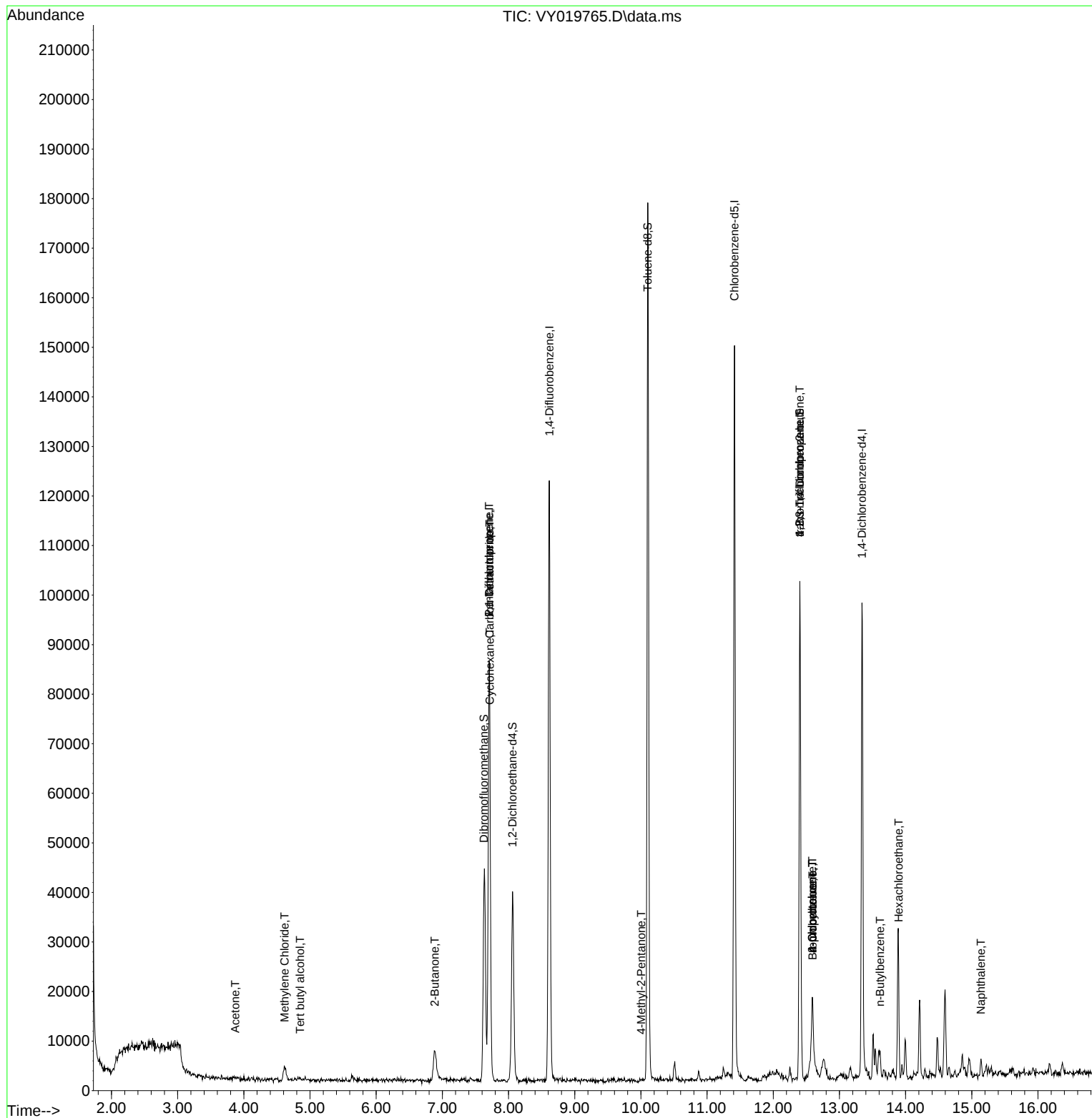
Internal Standards						
1) Pentafluorobenzene	7.707	168	61958	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	102249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	74657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	23916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30298	52.810	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.620%	
35) Dibromofluoromethane	7.628	113	30858	53.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.460%	
50) Toluene-d8	10.103	98	114643	53.464	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.920%	
62) 4-Bromofluorobenzene	12.402	95	31049	37.658	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 75.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	158	3.410	ug/l	# 88
13) Acrolein	3.665	56	20	Below Cal	#	26
16) Acetone	3.873	43	658	4.814	ug/l	# 85
20) Methylene Chloride	4.616	84	2305	3.698	ug/l	# 79
25) 2-Butanone	6.884	43	561	2.886	ug/l	# 81
31) Cyclohexane	7.719	56	1438	1.401	ug/l	# 35
36) 1,1-Dichloropropene	7.707	75	5307	6.728	ug/l	# 47
38) Carbon Tetrachloride	7.713	117	6680	7.509	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.006	43	451	1.056	ug/l	# 31
76) 1,2,3-Trichloropropane	12.402	75	16538	73.777	ug/l	# 100
77) Bromobenzene	12.597	156	8019	20.839	ug/l	# 1
78) n-propylbenzene	12.591	91	8096	3.937	ug/l	98
79) 2-Chlorotoluene	12.591	91	8096	6.755	ug/l	# 40
81) trans-1,4-Dichloro-2-b...	12.402	75	16538	141.630	ug/l	# 16
82) 4-Chlorotoluene	12.591	91	8096	6.571	ug/l	# 40
89) n-Butylbenzene	13.615	91	3258	2.245	ug/l	# 83
90) Hexachloroethane	13.895	117	1620	5.130	ug/l	# 12
95) Naphthalene	15.139	128	2469	3.038	ug/l	# 92

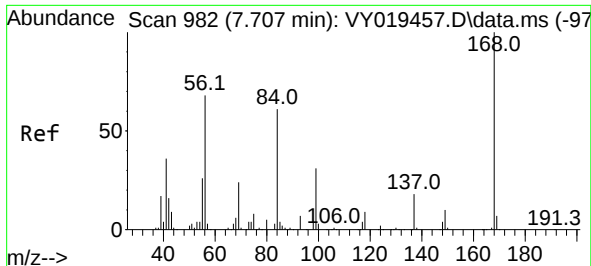
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:03:26 2024
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Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

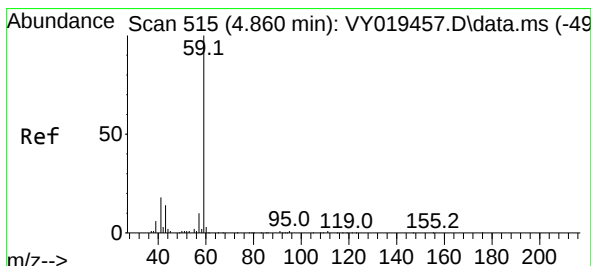
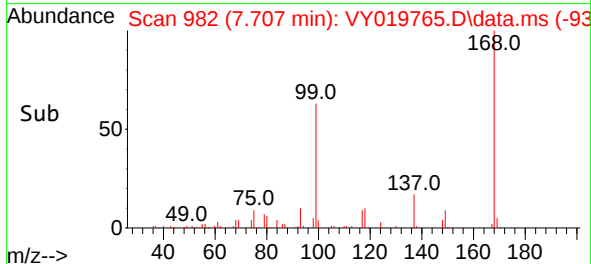
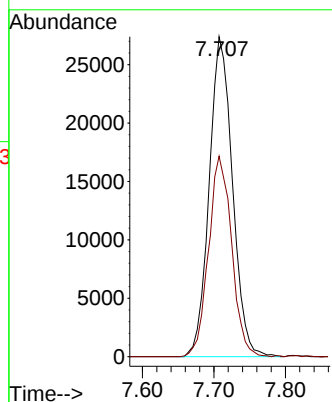
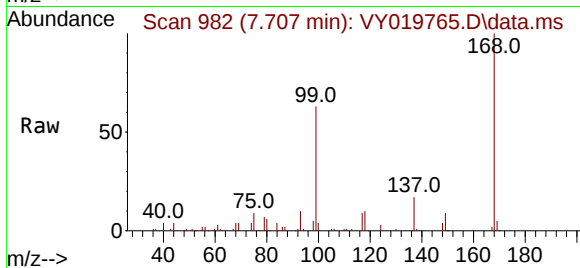




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

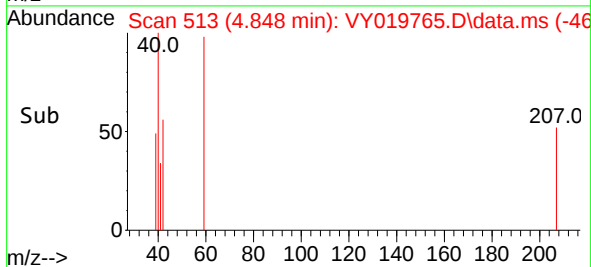
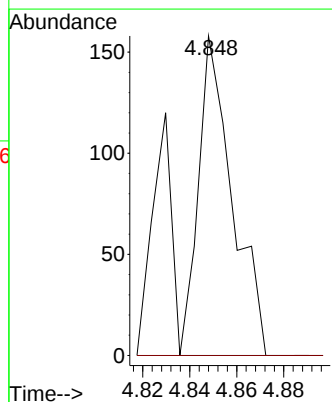
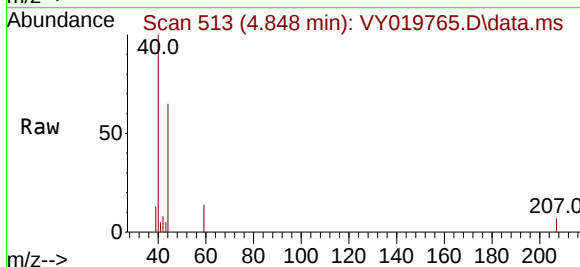
Instrument :
MSVOA_Y
ClientSampleId :

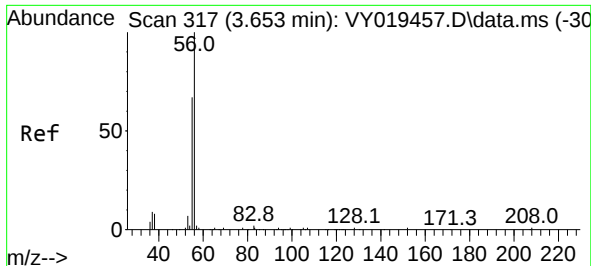
Tgt Ion:168 Resp: 61958
Ion Ratio Lower Upper
168 100
99 62.6 39.1 58.7#



#11
Tert butyl alcohol
Concen: 3.410 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

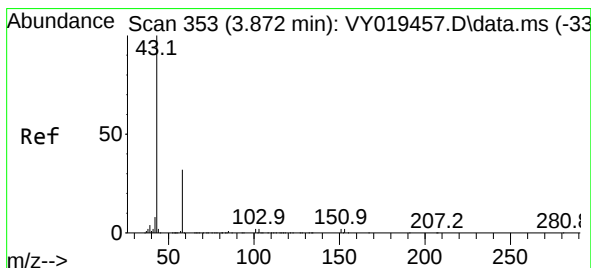
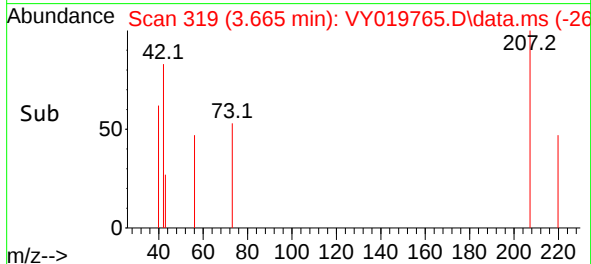
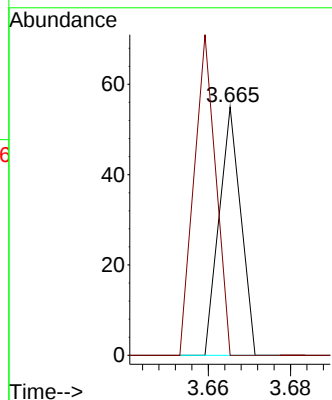
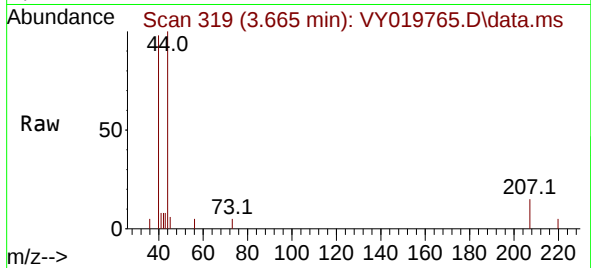




#13
Acrolein
Concen: Below Cal
RT: 3.665 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

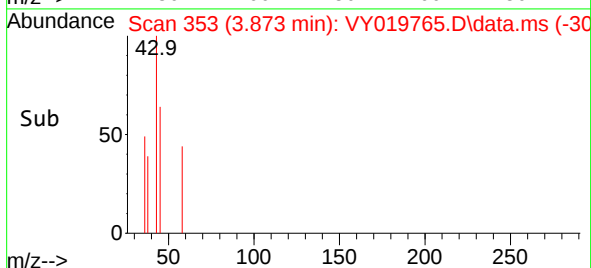
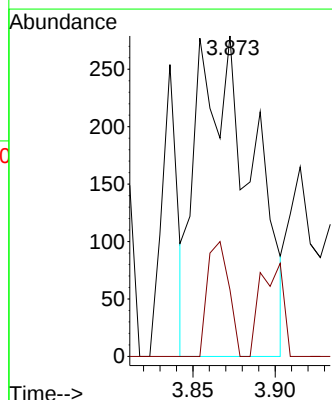
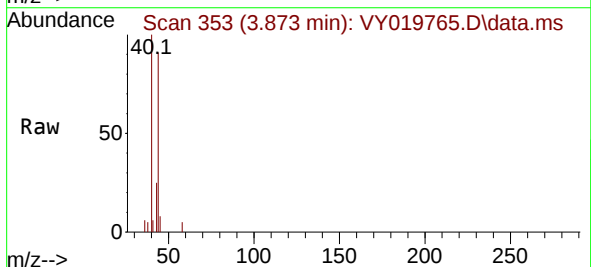
Instrument :
MSVOA_Y
ClientSampleId :

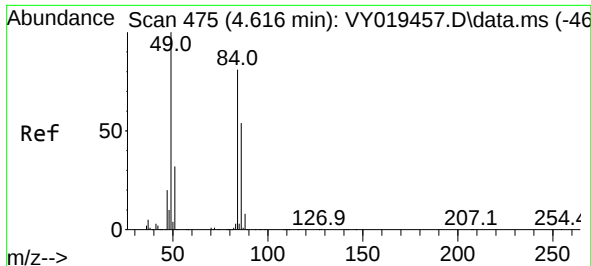
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 130.0 55.7 83.5#



#16
Acetone
Concen: 4.814 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

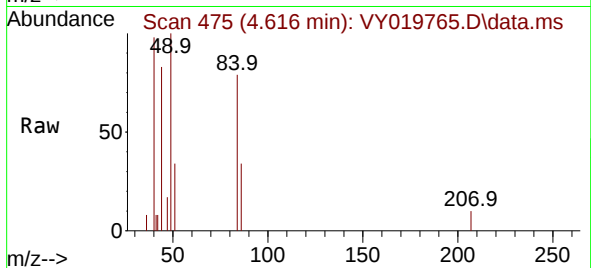
Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
58 30.2 31.7 47.5#



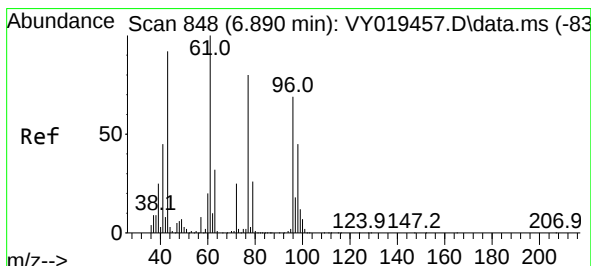
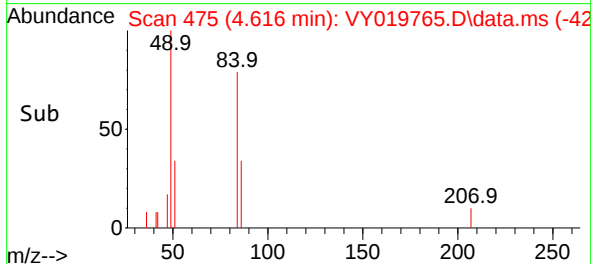
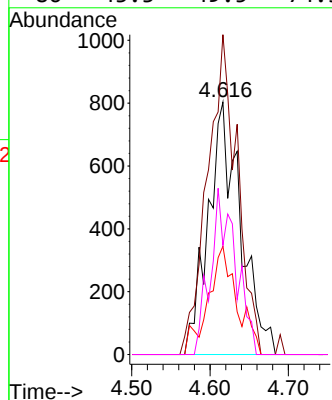


#20
Methylene Chloride
Concen: 3.698 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :

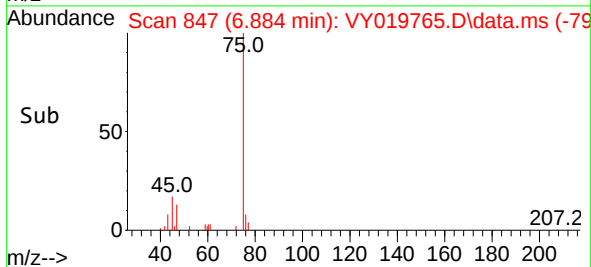
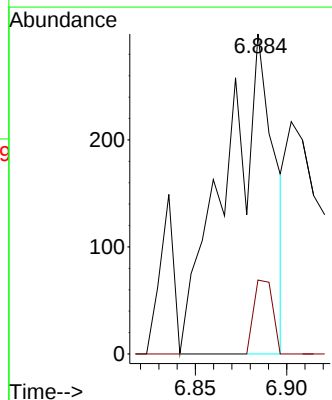
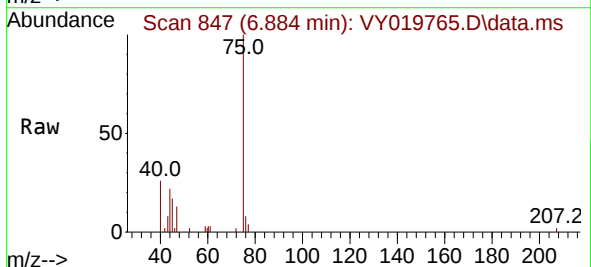


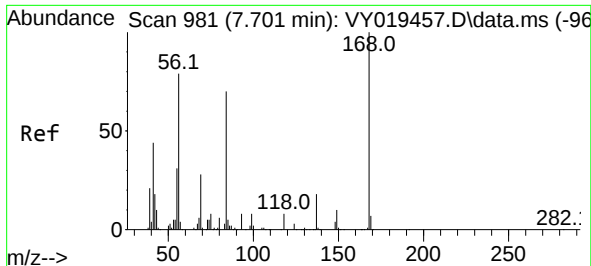
Tgt Ion: 84	Resp: 2305
Ion Ratio	Lower Upper
84 100	
49 126.8	84.4 126.6#
51 43.0	26.0 39.0#
86 43.3	49.5 74.3#



#25
2-Butanone
Concen: 2.886 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

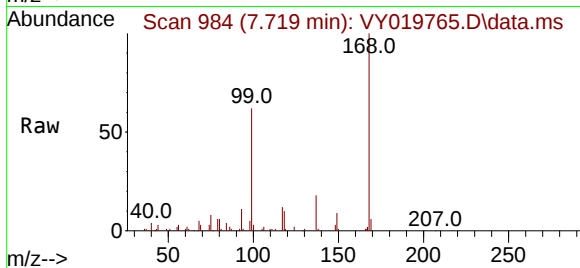
Tgt Ion: 43	Resp: 561		
Ion Ratio	Lower	Upper	
43 100			
72 23.1	27.3	40.9#	



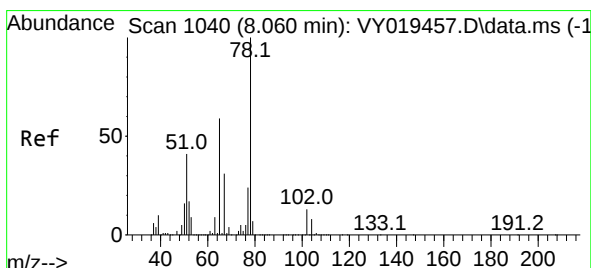
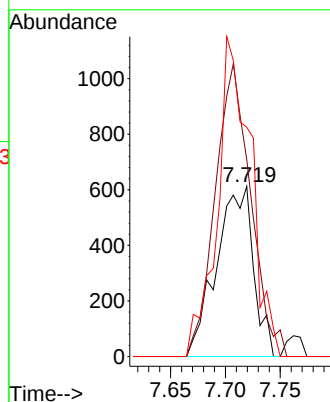
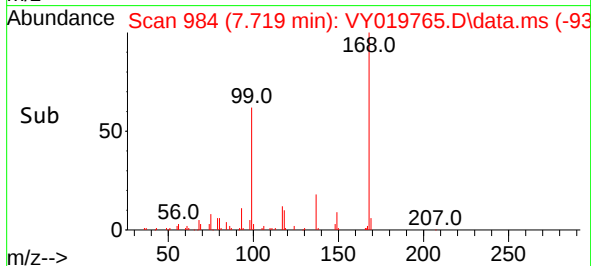


#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.019 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :

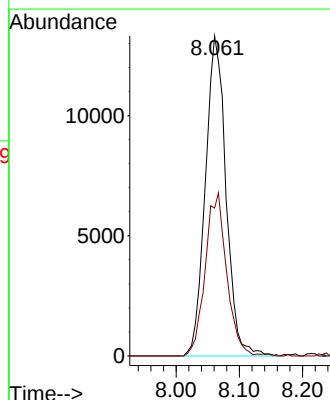
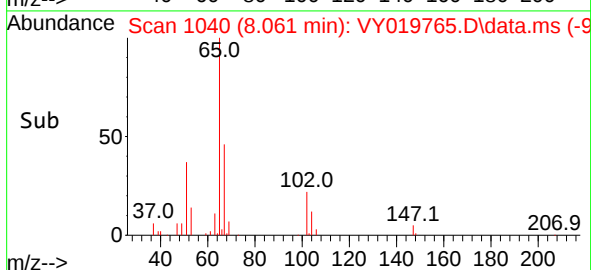
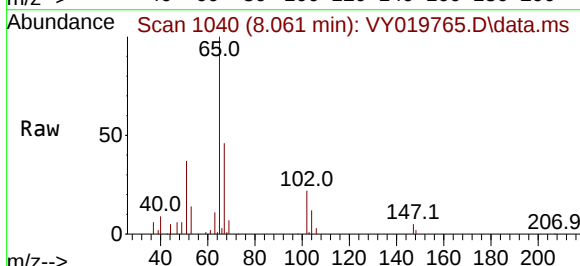


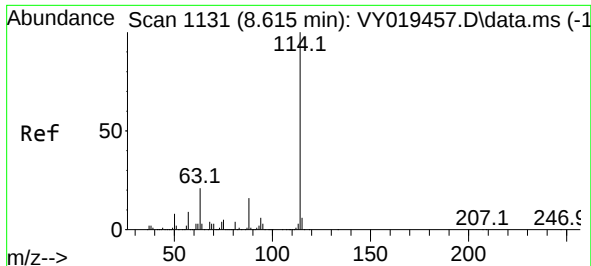
Tgt Ion: 56 Resp: 1438
Ion Ratio Lower Upper
56 100
69 115.8 28.7 43.1#
84 134.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.810 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 65 Resp: 30298
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6

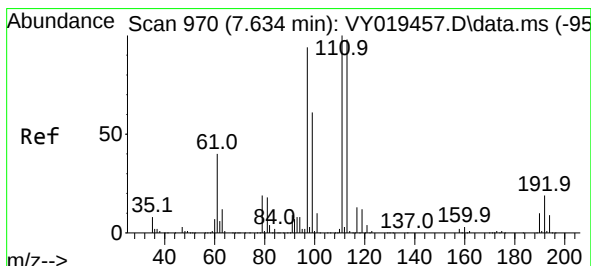
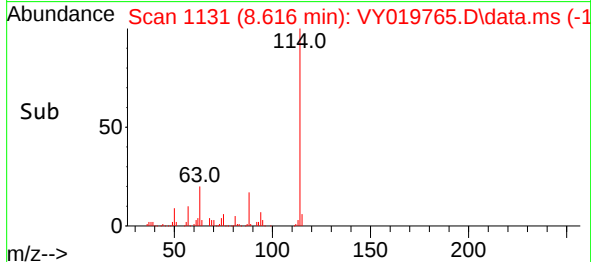
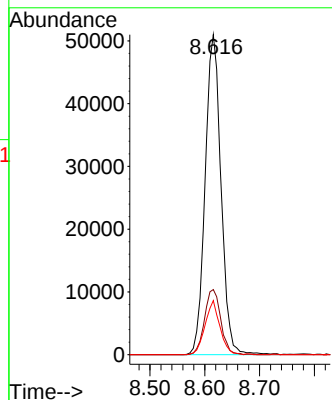
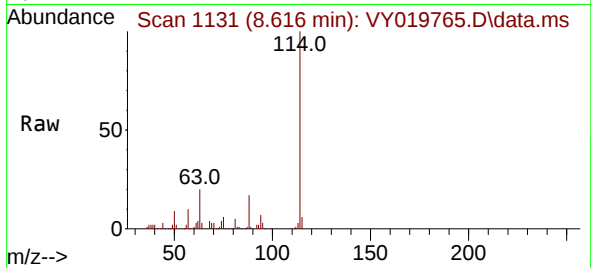




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

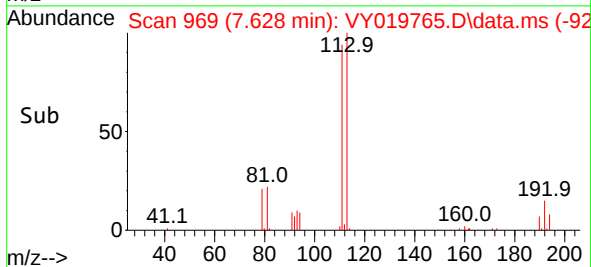
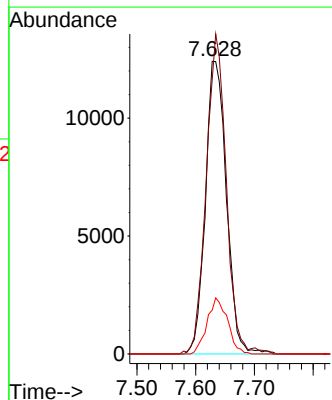
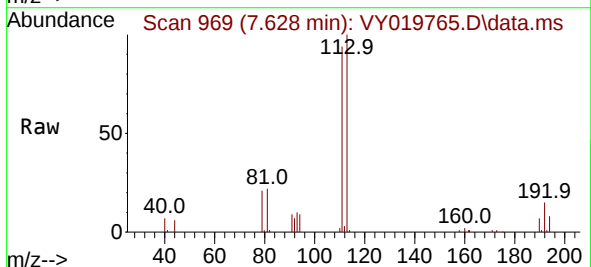
Instrument :
MSVOA_Y
ClientSampleId :

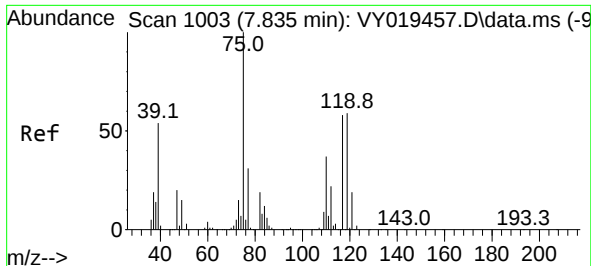
Tgt Ion:114 Resp: 102249
Ion Ratio Lower Upper
114 100
63 20.4 0.0 35.0
88 16.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.228 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:113 Resp: 30858
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 18.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.728 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019765.D

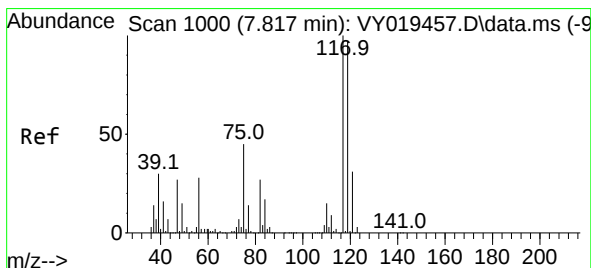
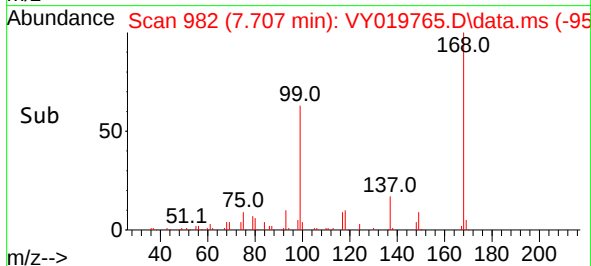
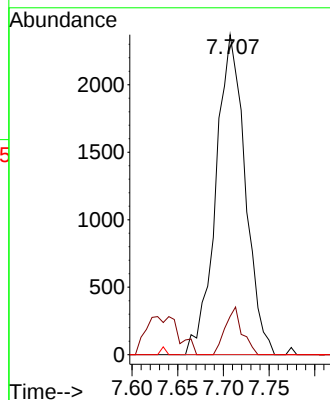
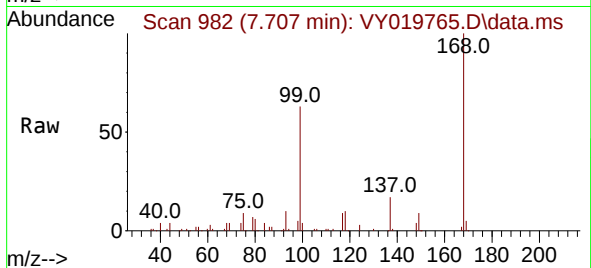
Acq: 02 Oct 2024 15:23

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	5307
Ion Ratio	Lower	Upper
75	100	
110	8.6	19.0 57.0#
77	0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.509 ug/l

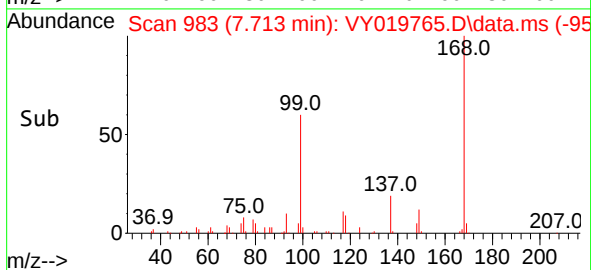
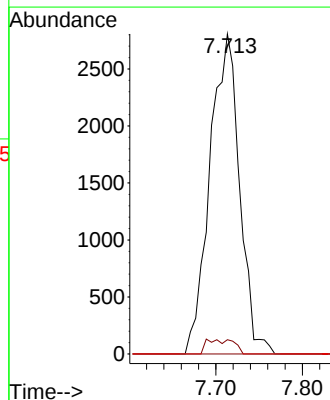
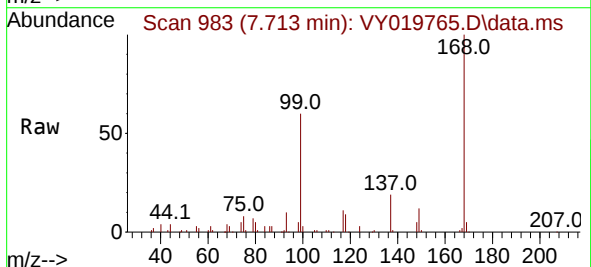
RT: 7.713 min Scan# 983

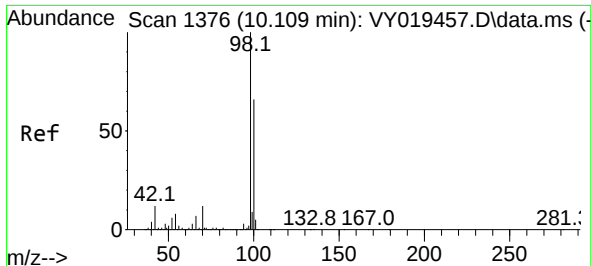
Delta R.T. -0.103 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

Tgt Ion: 117	Resp:	6680
Ion Ratio	Lower	Upper
117	100	
119	4.5	75.8 113.6#
121	0.0	24.0 36.0#

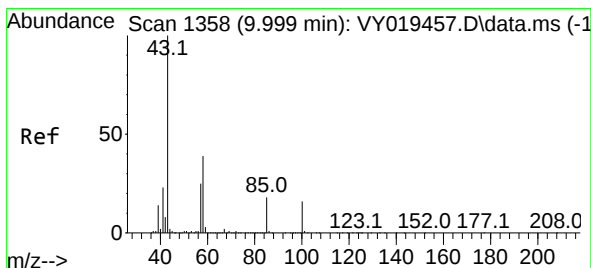
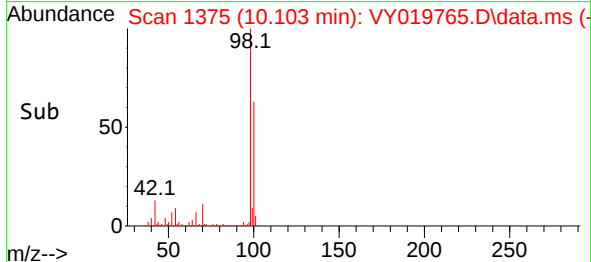
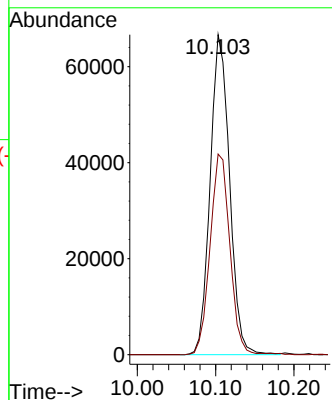
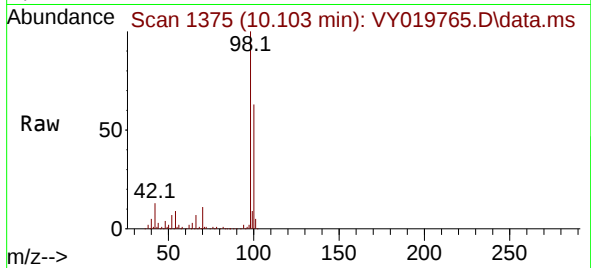




#50
Toluene-d8
Concen: 53.464 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

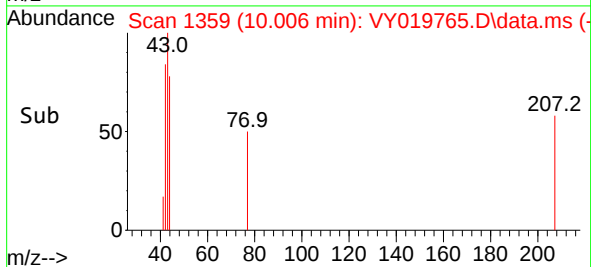
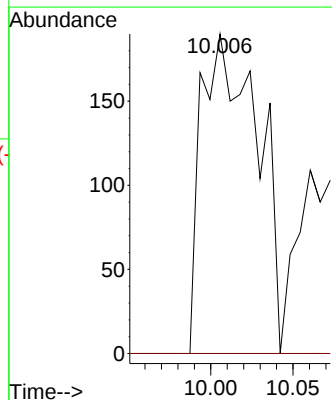
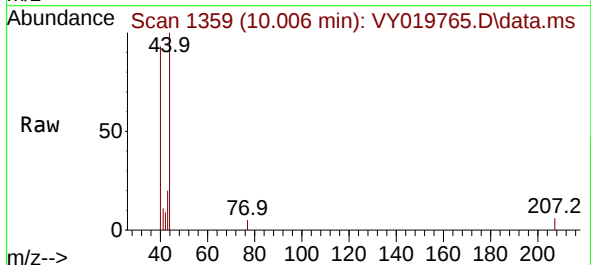
Instrument :
MSVOA_Y
ClientSampleId :

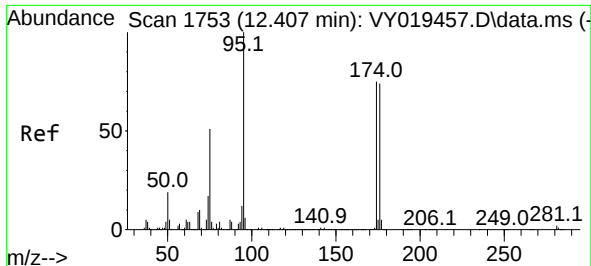
Tgt Ion: 98 Resp: 114643
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

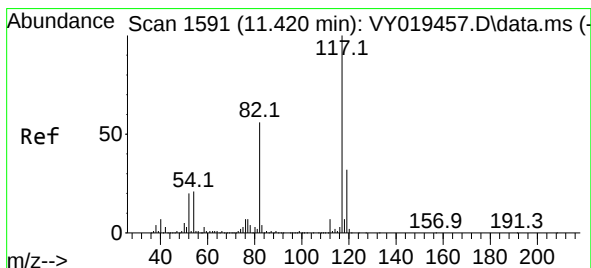
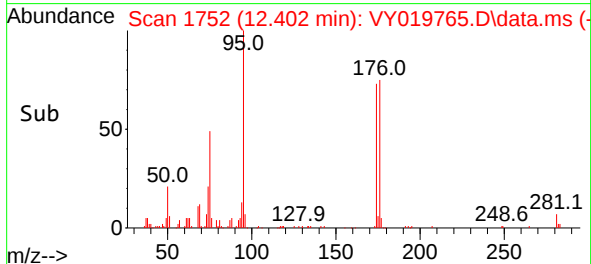
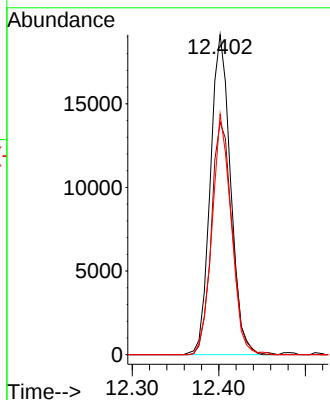
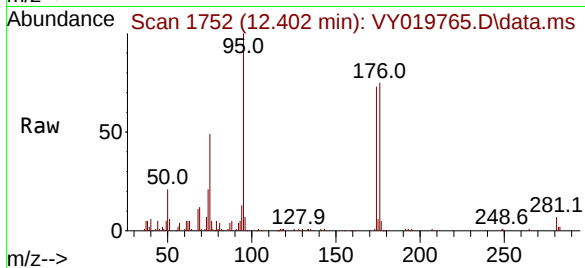




#62
4-Bromofluorobenzene
Concen: 37.658 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

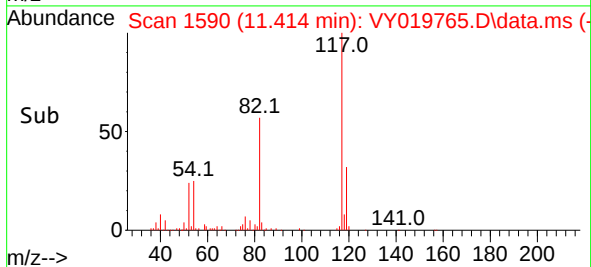
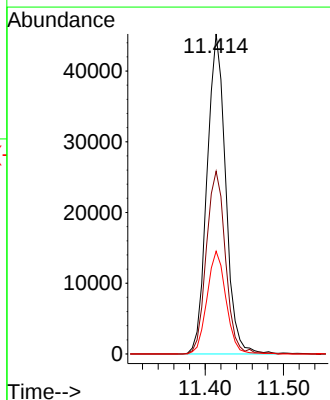
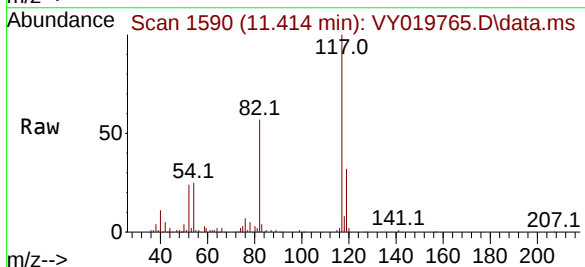
Instrument :
MSVOA_Y
ClientSampleId :

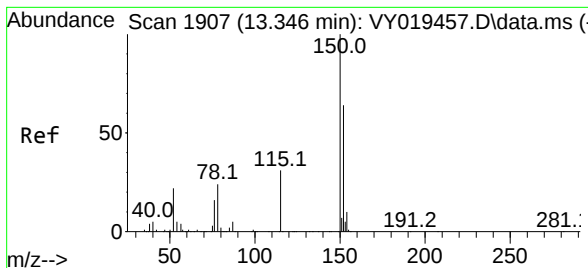
Tgt Ion: 95 Resp: 31049
Ion Ratio Lower Upper
95 100
174 74.5 0.0 175.6
176 71.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 117 Resp: 74657
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 32.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

Instrument :

MSVOA_Y

ClientSampleId :

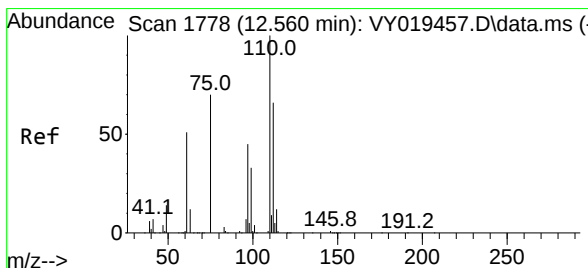
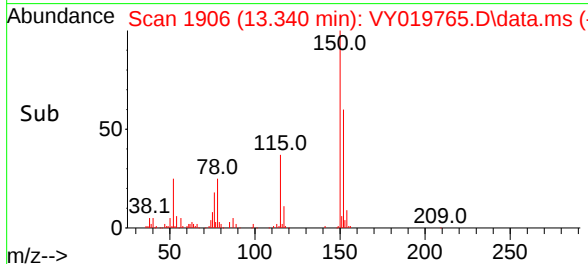
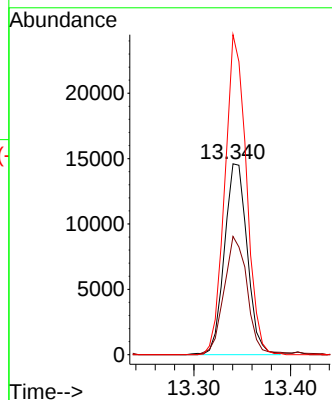
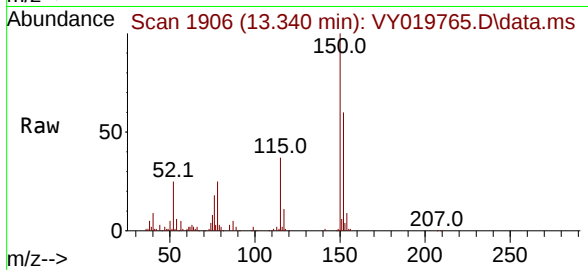
Tgt Ion:152 Resp: 23916

Ion Ratio Lower Upper

152 100

115 63.2 28.2 84.7

150 158.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 73.777 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019765.D

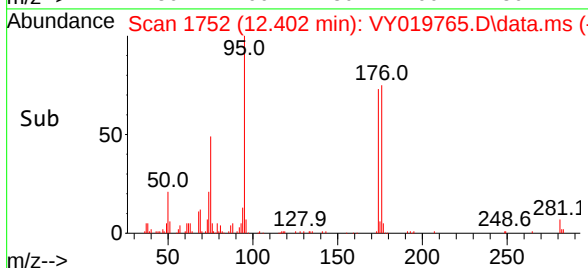
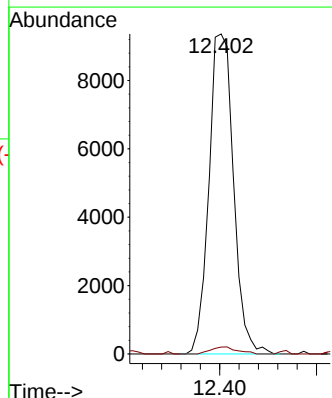
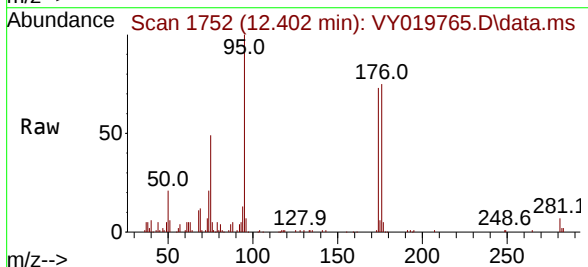
Acq: 02 Oct 2024 15:23

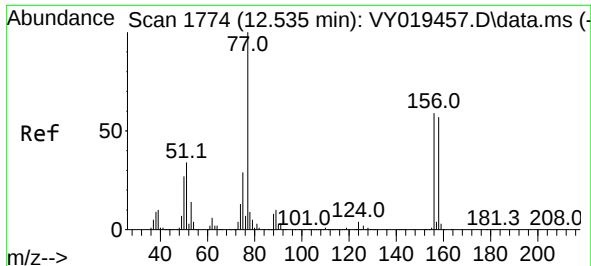
Tgt Ion: 75 Resp: 16538

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#

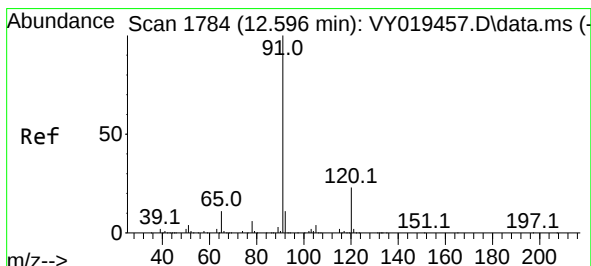
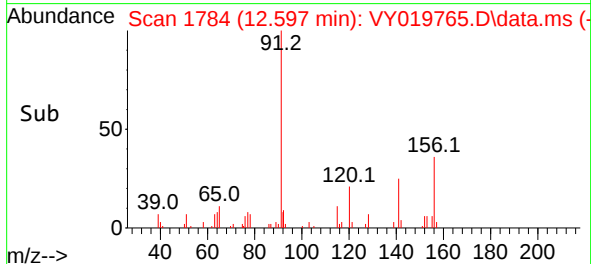
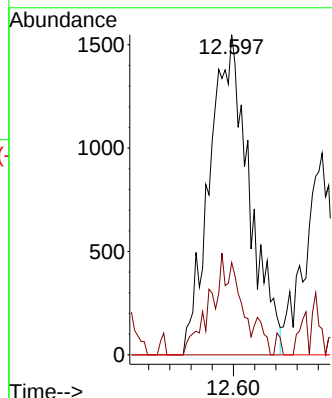
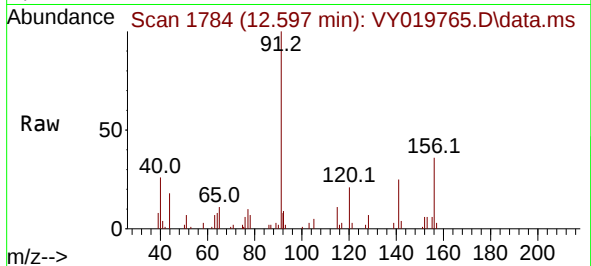




#77
Bromobenzene
Concen: 20.839 ug/l
RT: 12.597 min Scan# 1783
Delta R.T. 0.061 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

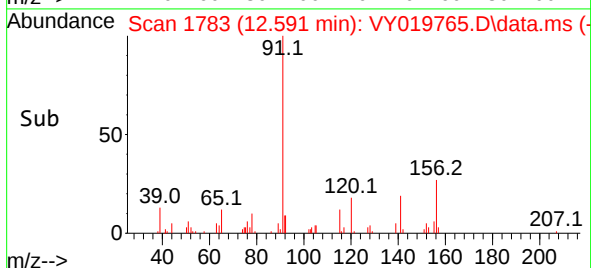
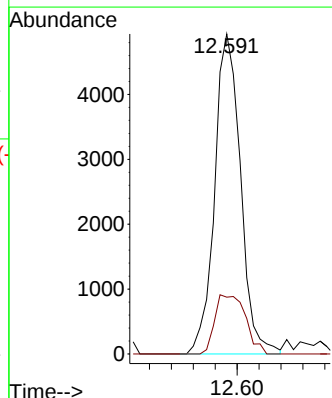
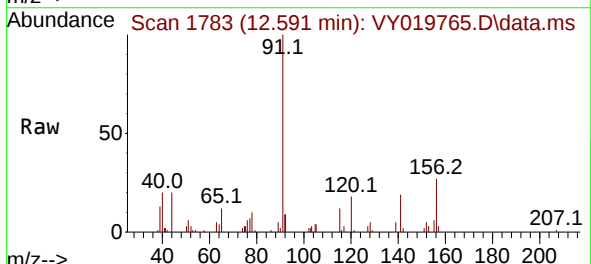
Instrument :
MSVOA_Y
ClientSampleId :

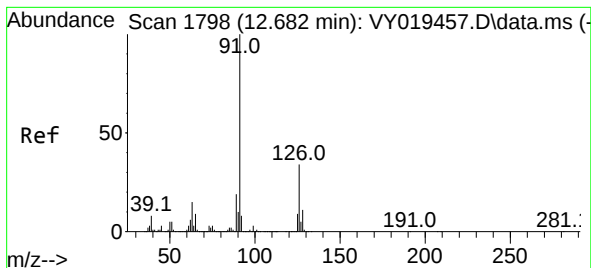
Tgt Ion:156 Resp: 8019
Ion Ratio Lower Upper
156 100
77 14.1 87.1 261.3#
158 0.0 48.6 145.9#



#78
n-propylbenzene
Concen: 3.937 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 91 Resp: 8096
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 6.755 ug/l

RT: 12.591 min Scan# 1752

Delta R.T. -0.091 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

Instrument :

MSVOA_Y

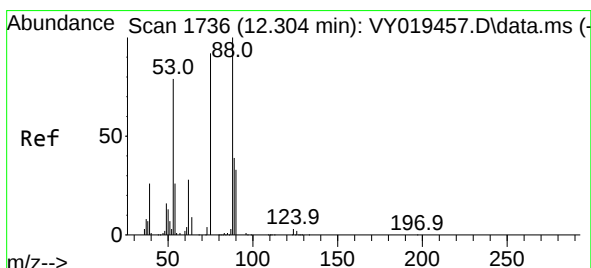
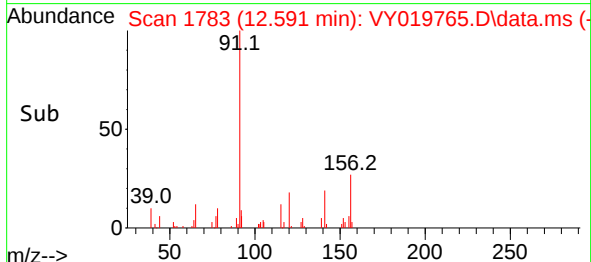
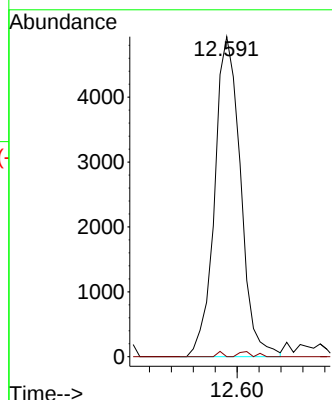
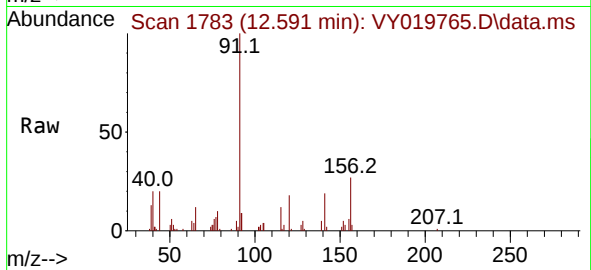
ClientSampleId :

Tgt Ion: 91 Resp: 8096

Ion Ratio Lower Upper

91 100

126 0.4 17.8 53.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.630 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

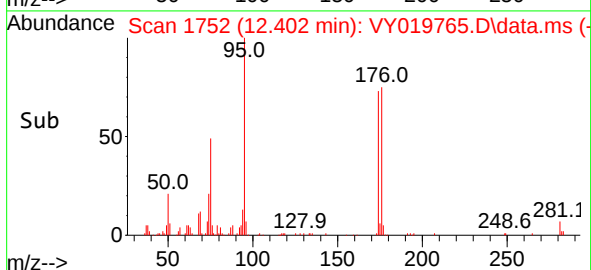
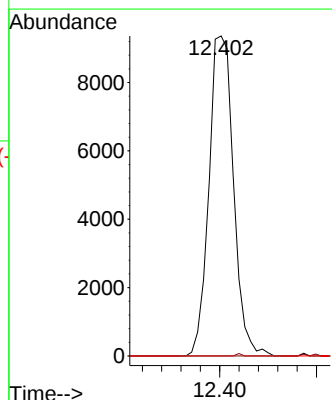
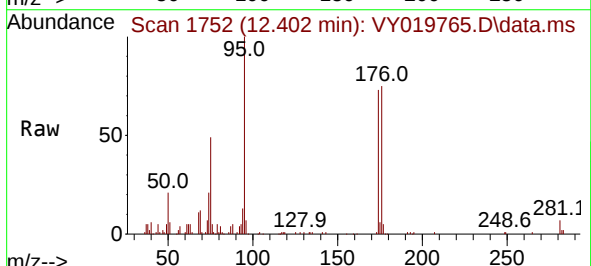
Tgt Ion: 75 Resp: 16538

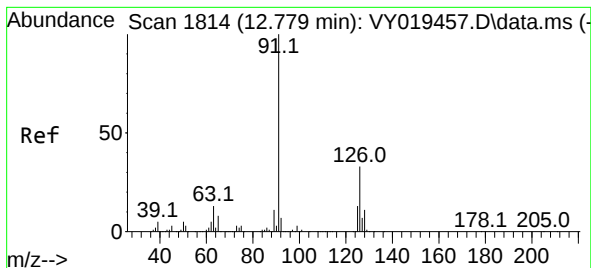
Ion Ratio Lower Upper

75 100

53 0.2 66.8 100.2#

89 0.0 35.8 53.6#





#82

4-Chlorotoluene

Concen: 6.571 ug/l

RT: 12.591 min Scan# 1

Delta R.T. -0.189 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

Instrument :

MSVOA_Y

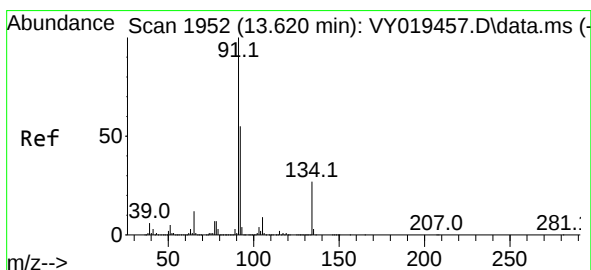
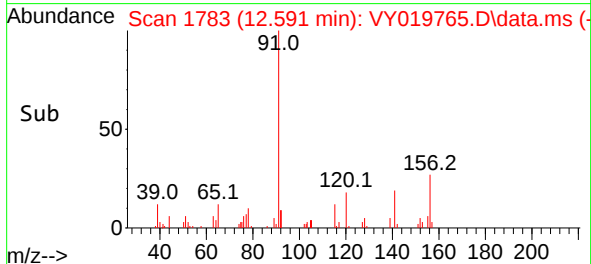
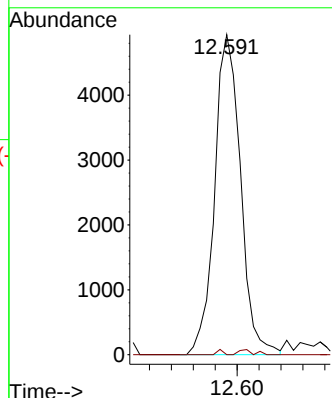
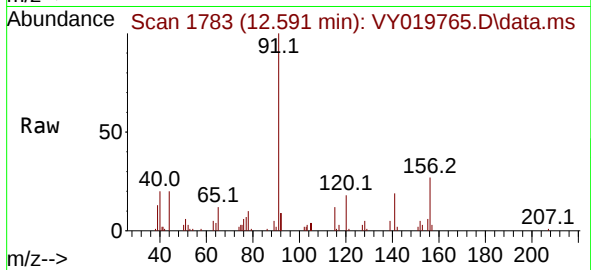
ClientSampleId :

Tgt Ion: 91 Resp: 8096

Ion Ratio Lower Upper

91 100

126 0.4 17.6 52.9#



#89

n-Butylbenzene

Concen: 2.245 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

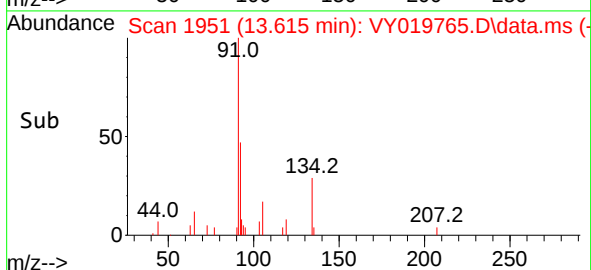
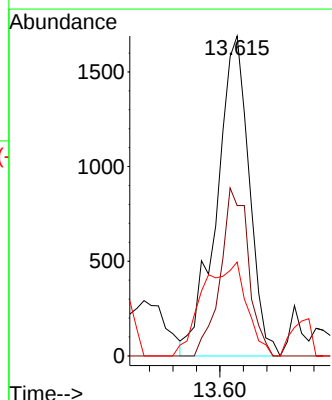
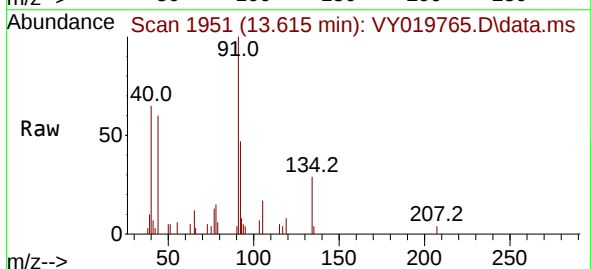
Tgt Ion: 91 Resp: 3258

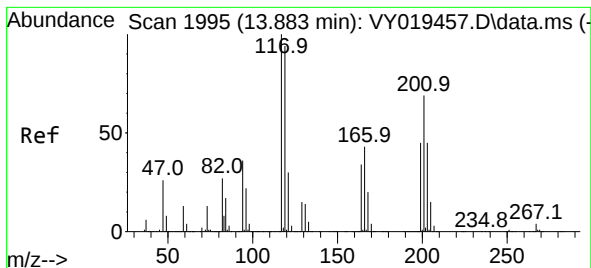
Ion Ratio Lower Upper

91 100

92 45.2 26.6 79.7

134 39.7 12.9 38.7#





#90

Hexachloroethane

Concen: 5.130 ug/l

RT: 13.895 min Scan# 1997

Delta R.T. 0.013 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

Instrument :

MSVOA_Y

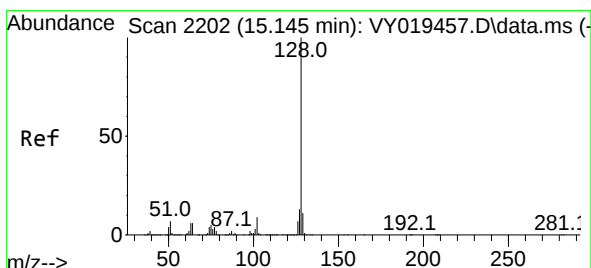
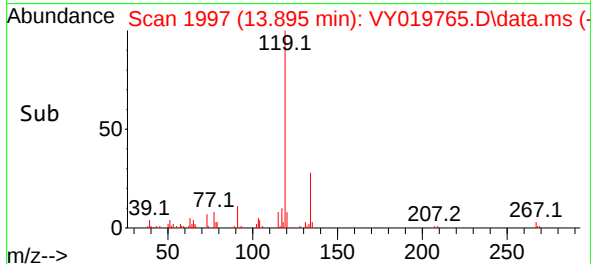
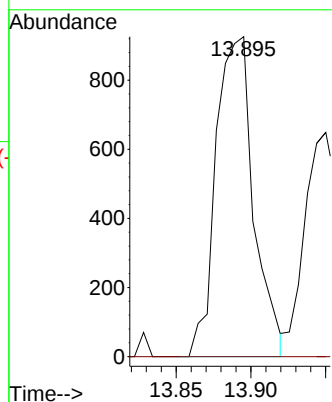
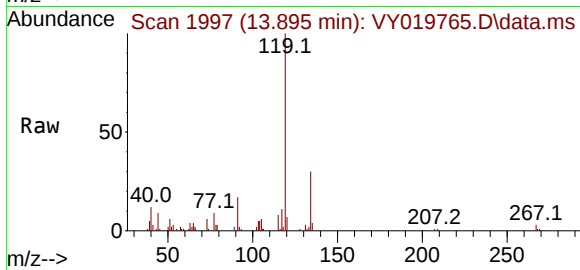
ClientSampleId :

Tgt Ion:117 Resp: 1620

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#95

Naphthalene

Concen: 3.038 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019765.D

Acq: 02 Oct 2024 15:23

Tgt Ion:128 Resp: 2469

Ion Ratio Lower Upper

128 100

127 18.3 10.6 16.0#

129 9.5 8.6 13.0

