

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
 Data File : VY019787.D
 Acq On : 03 Oct 2024 14:54
 Operator : SY/MD
 Sample : P4254-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:28:38 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)

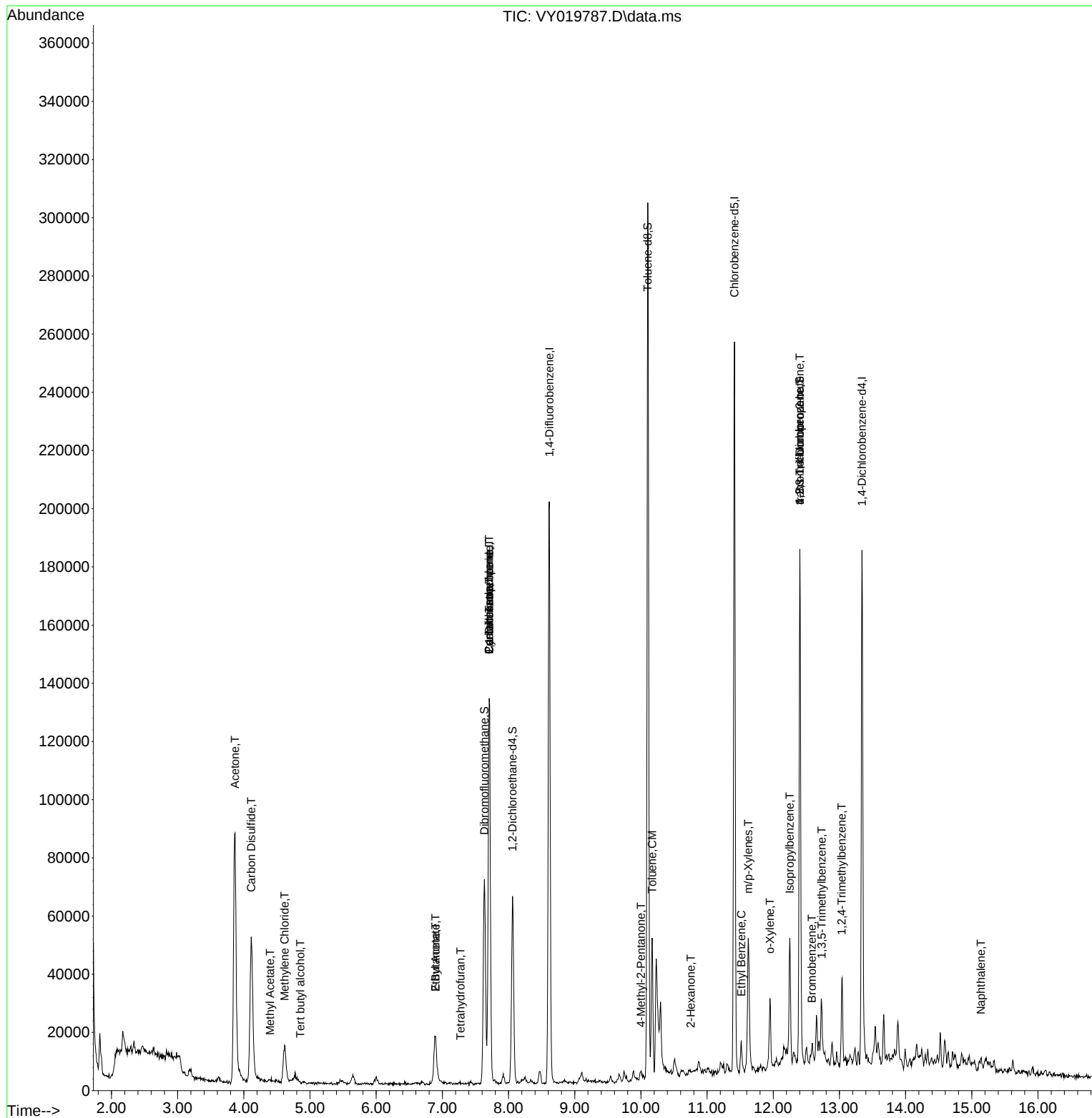
Internal Standards						
1) Pentafluorobenzene	7.707	168	98483	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	168592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	130616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	43698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	49573	54.361	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.720%	
35) Dibromofluoromethane	7.634	113	49630	51.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.840%	
50) Toluene-d8	10.103	98	191169	54.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.140%	
62) 4-Bromofluorobenzene	12.402	95	53171	39.112	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 78.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.879	85	20	Below Cal	#	43
11) Tert butyl alcohol	4.854	59	245	3.327	ug/l	# 88
13) Acrolein	3.641	56	108	Below Cal	#	15
16) Acetone	3.866	43	152055	699.895	ug/l	# 84
17) Carbon Disulfide	4.110	76	9116	3.861	ug/l	98
18) Methyl Acetate	4.397	43	1114	1.889	ug/l	# 86
20) Methylene Chloride	4.616	84	9148	9.233	ug/l	86
25) 2-Butanone	6.896	43	18735	60.633	ug/l	# 81
29) Tetrahydrofuran	7.274	42	211	1.123	ug/l	# 26
31) Cyclohexane	7.707	56	3149	1.929	ug/l	# 48
36) 1,1-Dichloropropene	7.707	75	8428	6.480	ug/l	# 48
37) Ethyl Acetate	6.896	43	18735	28.112	ug/l	# 68
38) Carbon Tetrachloride	7.707	117	10956	7.470	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.000	43	2264	3.214	ug/l	96
52) Toluene	10.170	92	19488	7.564	ug/l	99
59) 2-Hexanone	10.755	43	687	1.330	ug/l	80
67) Ethyl Benzene	11.518	91	7550	1.654	ug/l	99
68) m/p-Xylenes	11.621	106	12605	7.302	ug/l	90
69) o-Xylene	11.950	106	5931	3.513	ug/l	97
73) Isopropylbenzene	12.249	105	25001	7.886	ug/l	99
76) 1,2,3-Trichloropropane	12.402	75	29181	71.247	ug/l	# 100
77) Bromobenzene	12.584	156	1201	1.708	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.731	105	4076	1.582	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.402	75	29181	136.773	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.036	105	16071	6.300	ug/l	99
95) Naphthalene	15.139	128	2443	1.645	ug/l	# 94

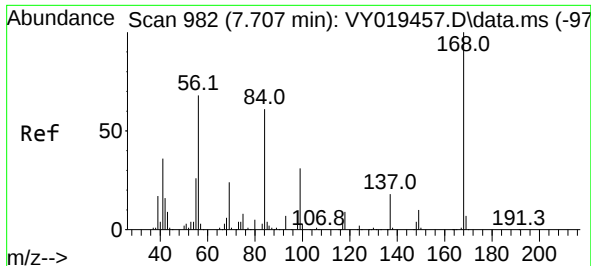
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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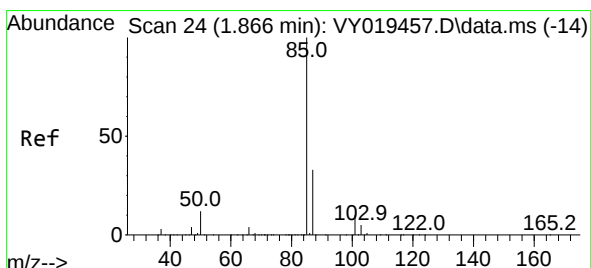
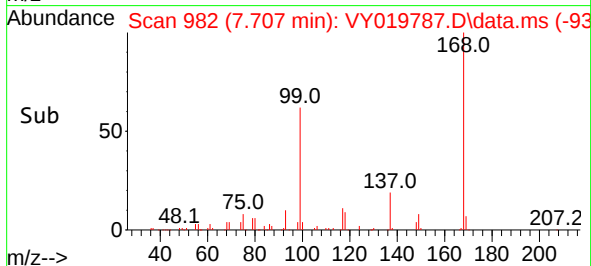
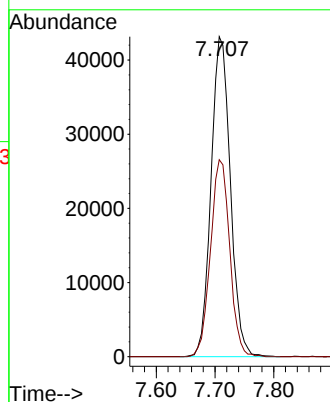
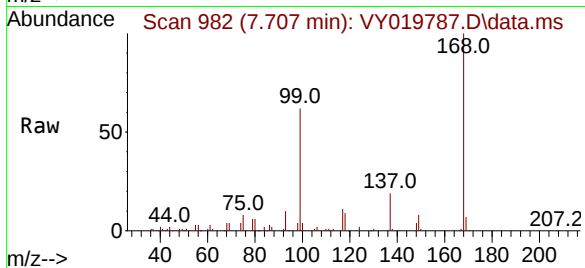




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

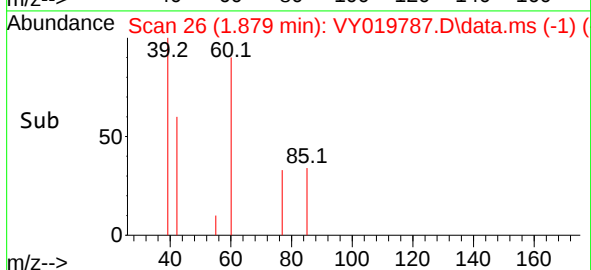
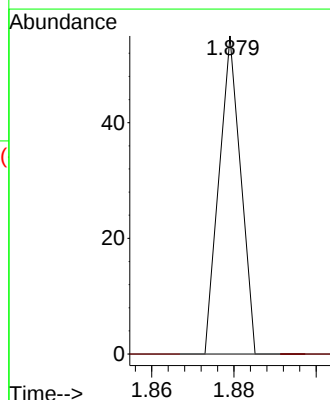
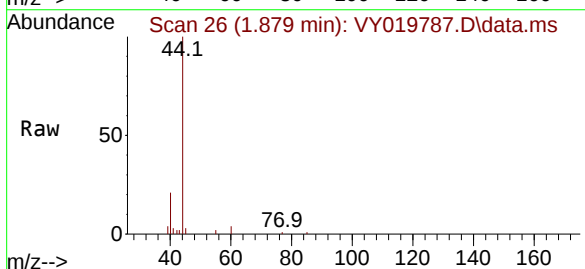
Instrument :
MSVOA_Y
ClientSampleId :

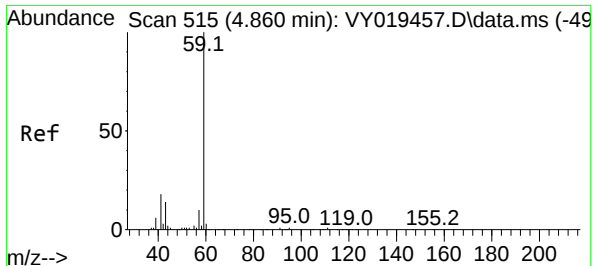
Tgt Ion:168 Resp: 98483
Ion Ratio Lower Upper
168 100
99 61.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.879 min Scan# 26
Delta R.T. 0.013 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 3.327 ug/l

RT: 4.854 min Scan# 51

Delta R.T. -0.006 min

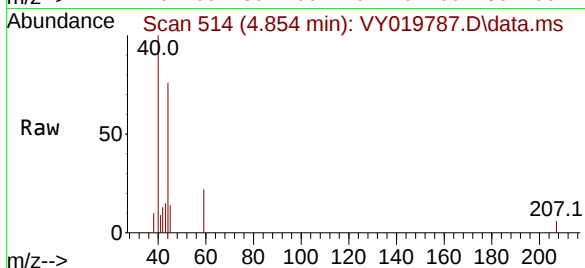
Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

Instrument :

MSVOA_Y

ClientSampleId :

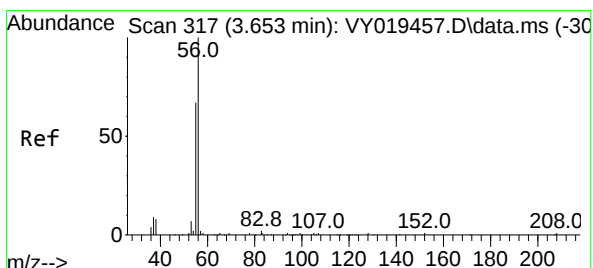
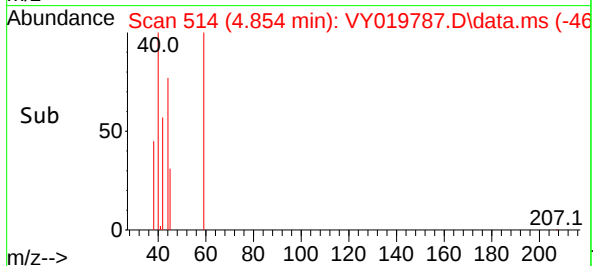
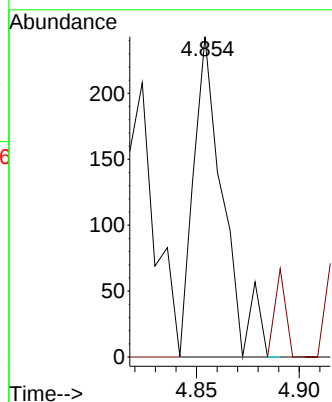


Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.641 min Scan# 315

Delta R.T. -0.012 min

Lab File: VY019787.D

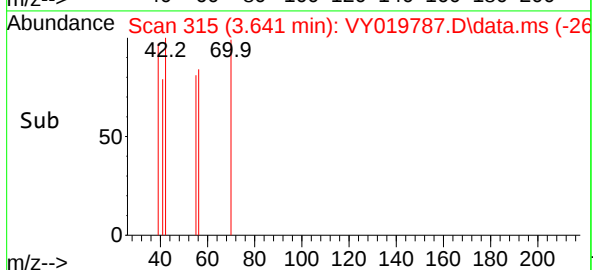
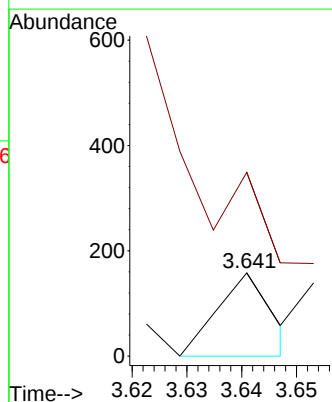
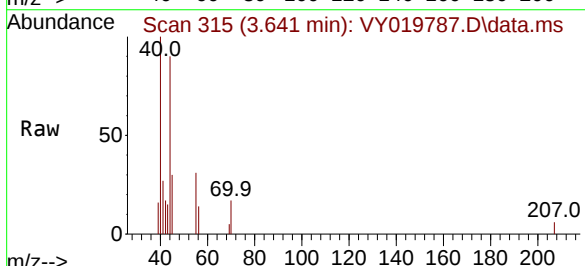
Acq: 03 Oct 2024 14:54

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

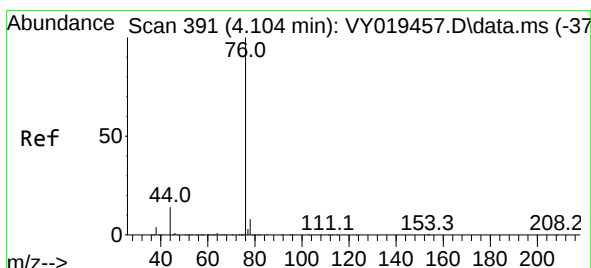
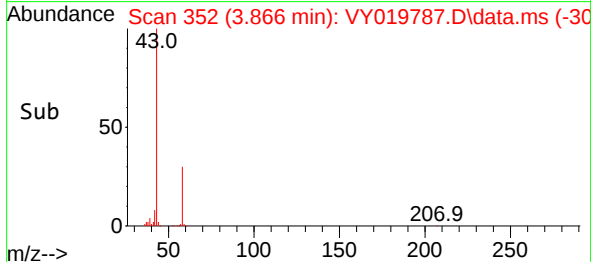
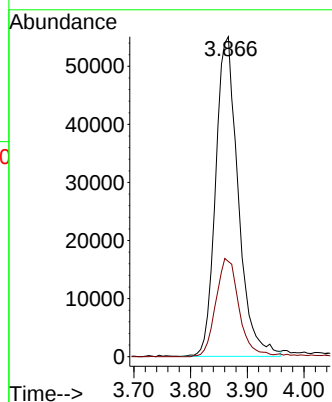
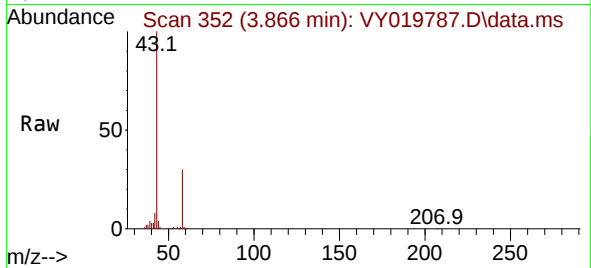




#16
Acetone
Concen: 699.895 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

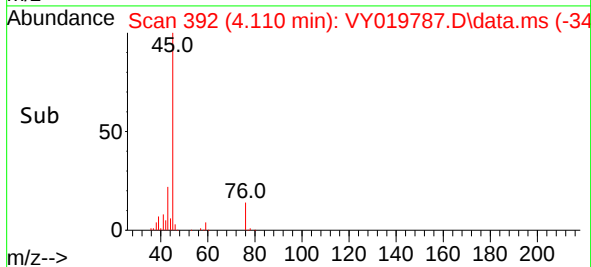
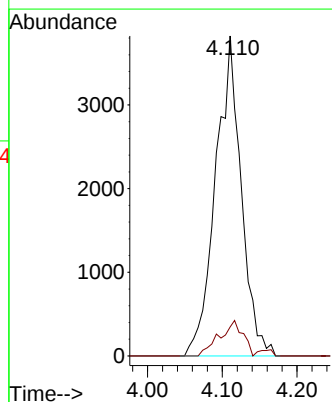
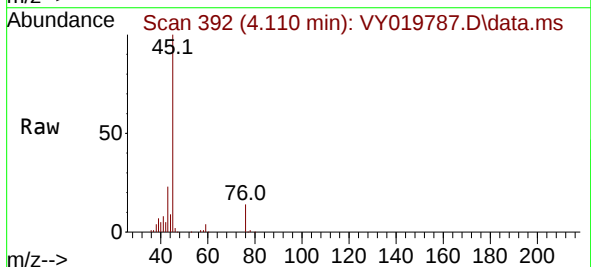
Instrument :
MSVOA_Y
ClientSampleId :

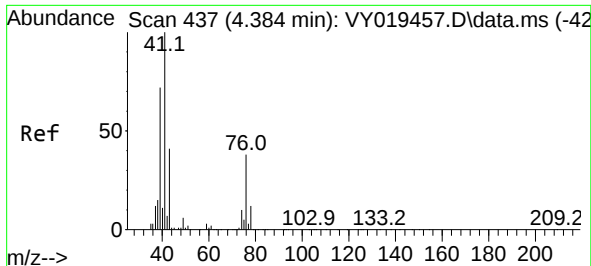
Tgt Ion: 43 Resp: 152055
Ion Ratio Lower Upper
43 100
58 29.8 31.7 47.5#



#17
Carbon Disulfide
Concen: 3.861 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 76 Resp: 9116
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

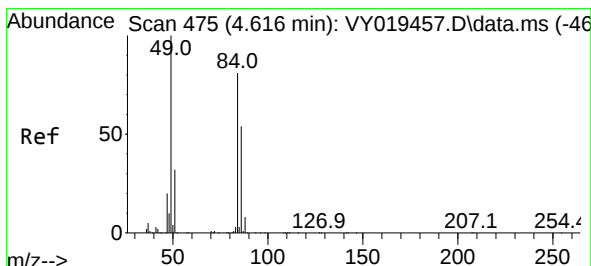
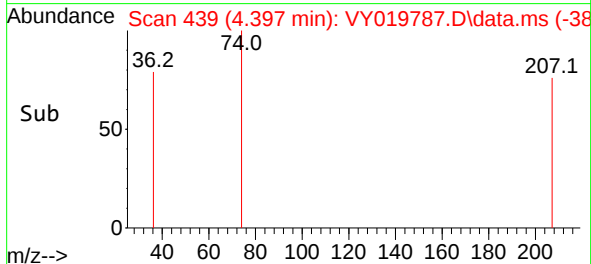
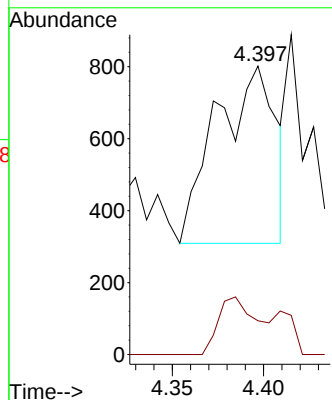
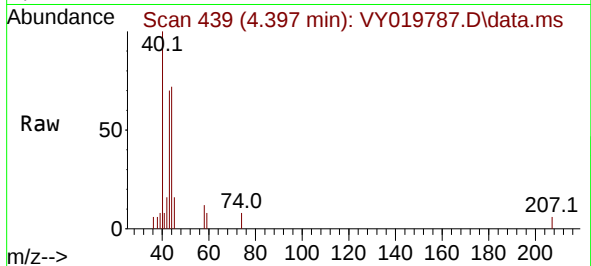




#18
Methyl Acetate
Concen: 1.889 ug/l
RT: 4.397 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

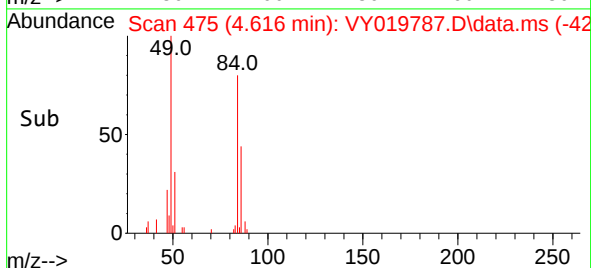
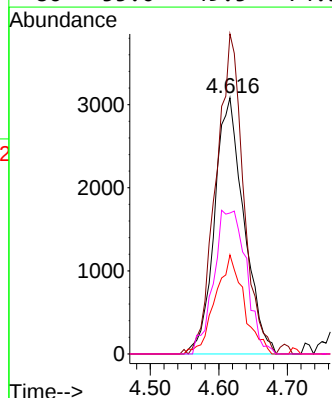
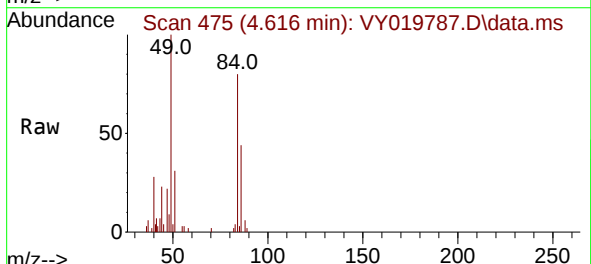
Instrument :
MSVOA_Y
ClientSampleId :

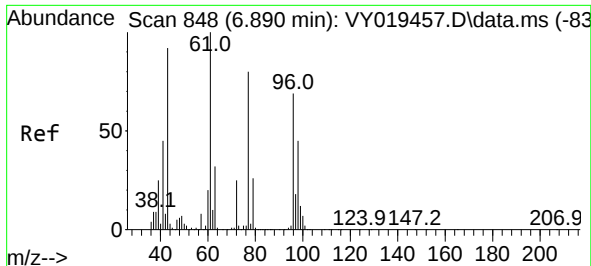
Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
74 21.5 23.3 34.9#



#20
Methylene Chloride
Concen: 9.233 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 84 Resp: 9148
Ion Ratio Lower Upper
84 100
49 124.9 84.4 126.6
51 38.7 26.0 39.0
86 55.0 49.5 74.3

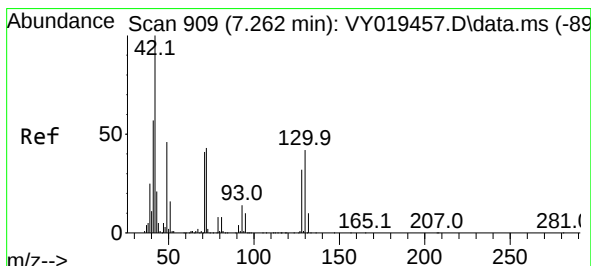
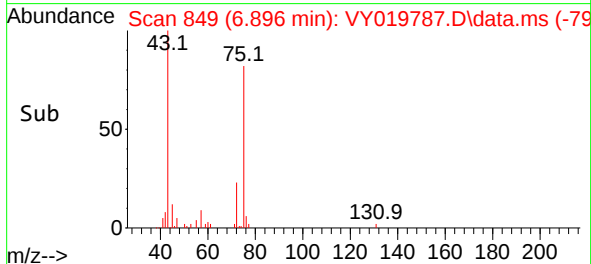
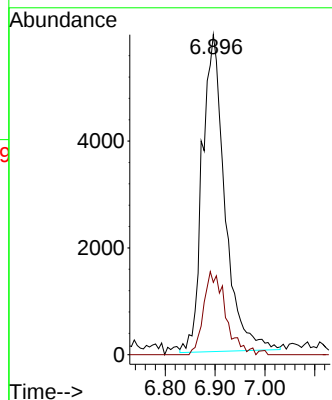
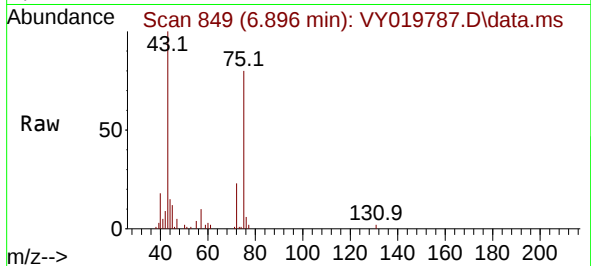




#25
2-Butanone
Concen: 60.633 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

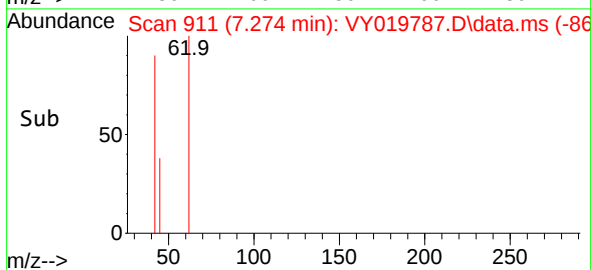
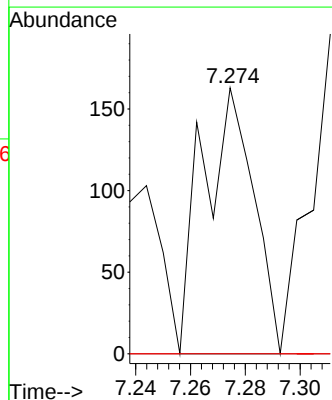
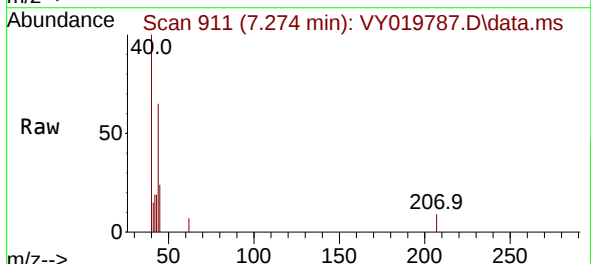
Instrument :
MSVOA_Y
ClientSampleId :

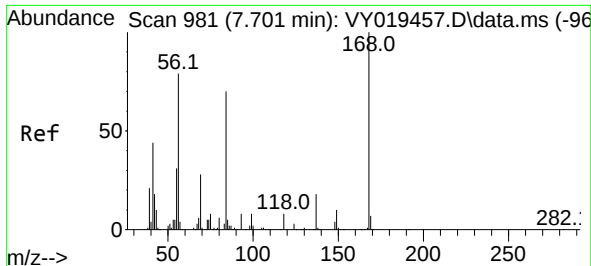
Tgt Ion: 43 Resp: 18735
Ion Ratio Lower Upper
43 100
72 23.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.123 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.013 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 42 Resp: 211
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#

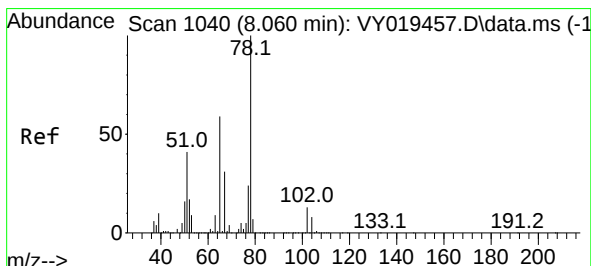
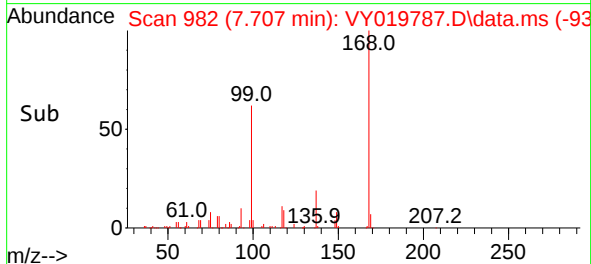
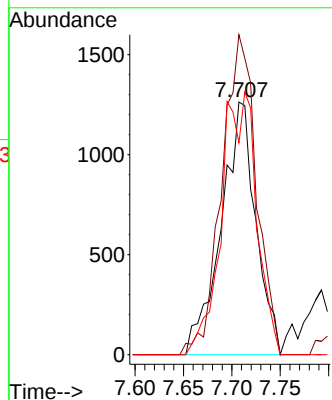
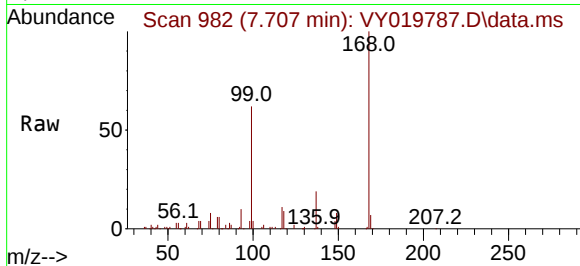




#31
Cyclohexane
Concen: 1.929 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

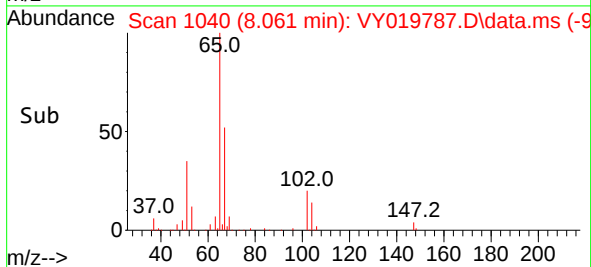
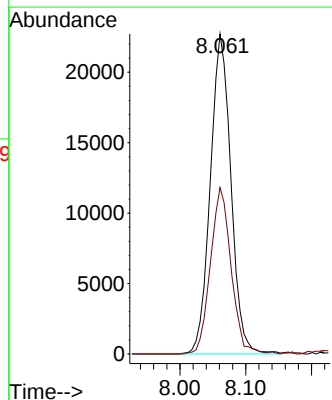
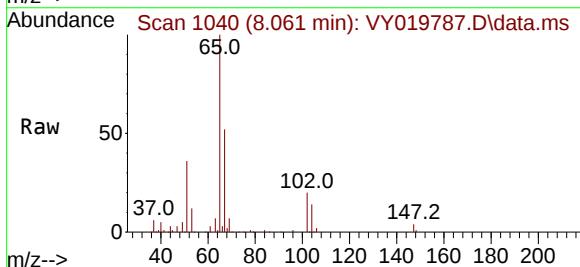
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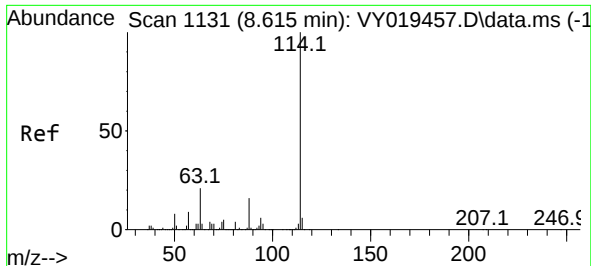
Tgt Ion: 56 Resp: 3149
Ion Ratio Lower Upper
56 100
69 126.7 28.7 43.1#
84 83.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 54.361 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 65 Resp: 49573
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6

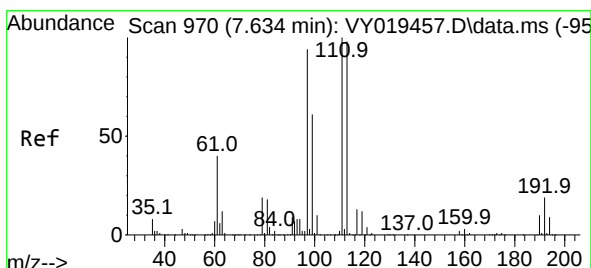
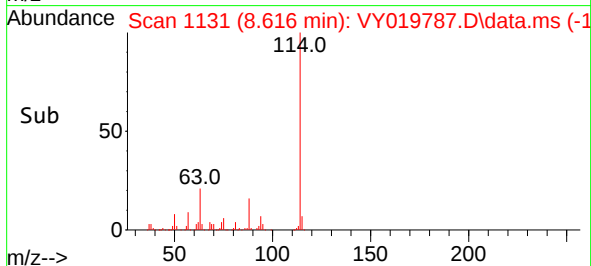
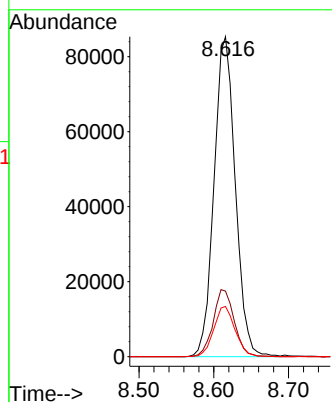
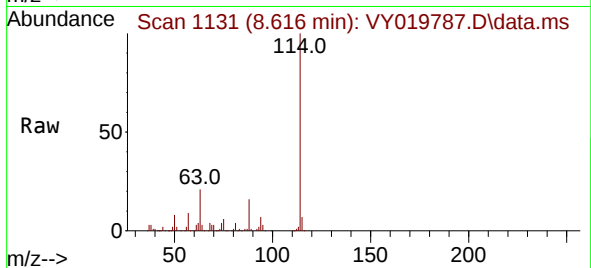




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

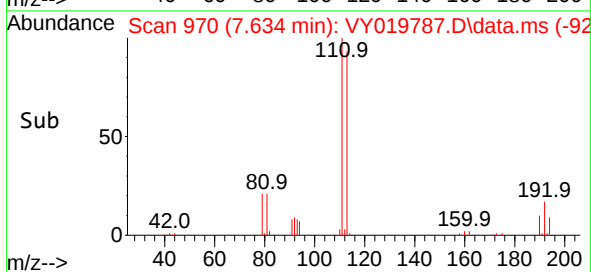
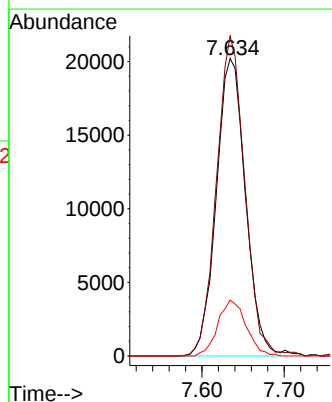
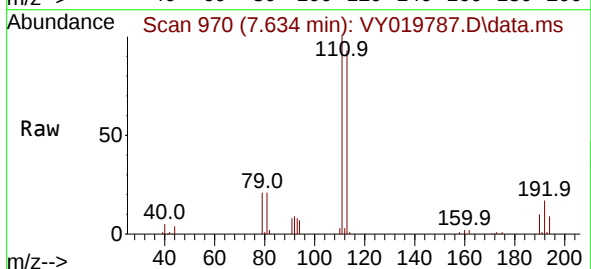
Instrument :
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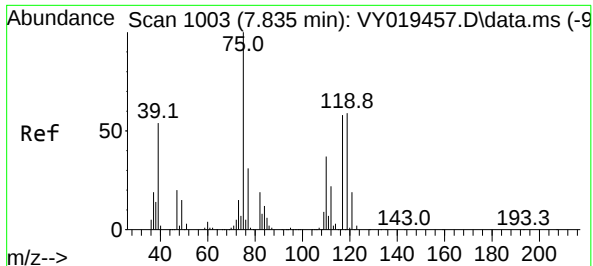
Tgt Ion:114 Resp: 168592
Ion Ratio Lower Upper
114 100
63 20.5 0.0 35.0
88 15.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.920 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion:113 Resp: 49630
Ion Ratio Lower Upper
113 100
111 104.9 82.2 123.4
192 18.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.480 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

Instrument :

MSVOA_Y

ClientSampleId :

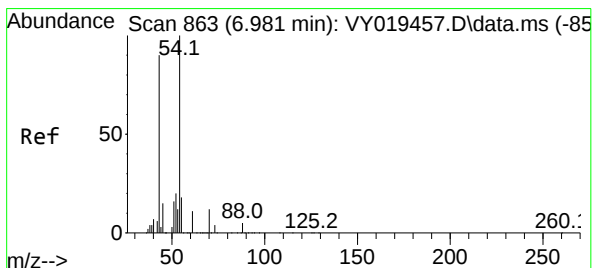
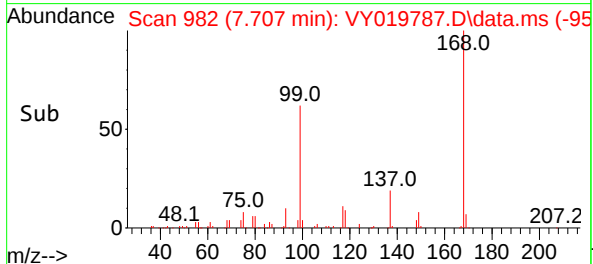
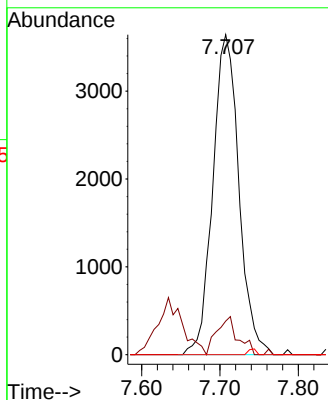
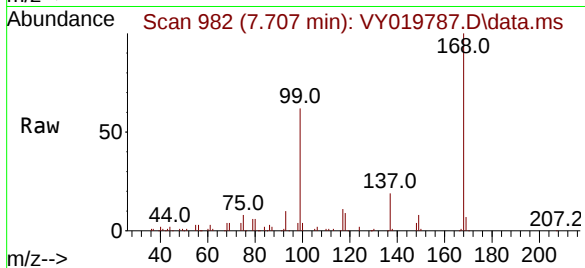
Tgt Ion: 75 Resp: 8428

Ion Ratio Lower Upper

75 100

110 9.6 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 28.112 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

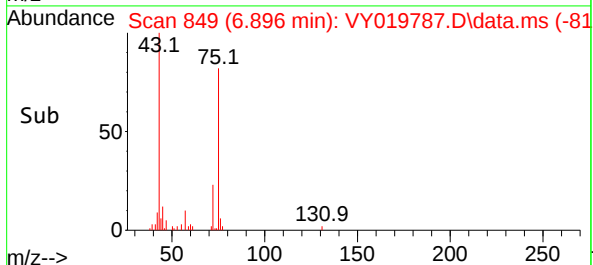
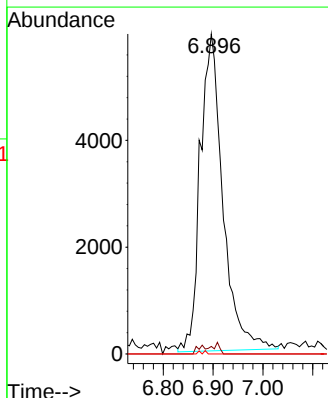
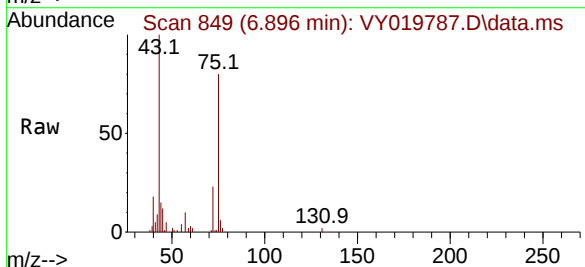
Tgt Ion: 43 Resp: 18735

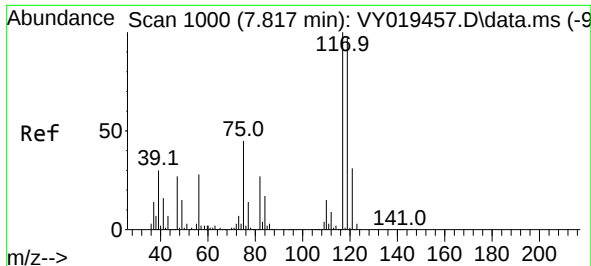
Ion Ratio Lower Upper

43 100

61 1.1 12.6 19.0#

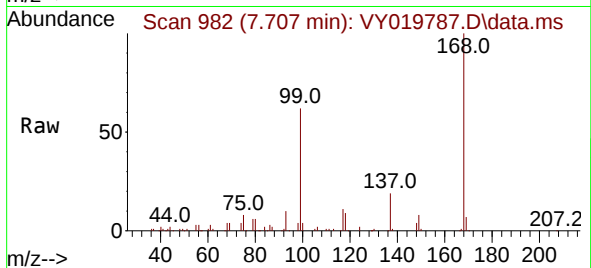
70 0.0 7.8 11.8#



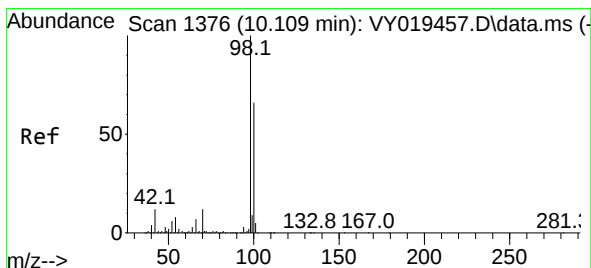
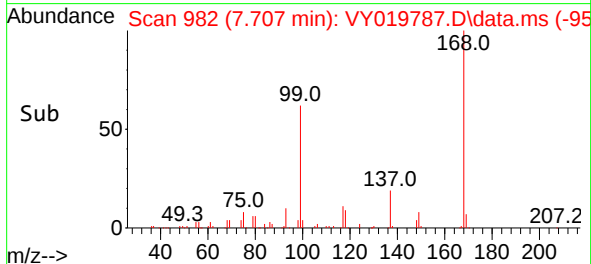
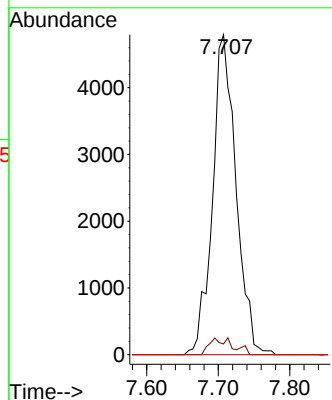


#38
Carbon Tetrachloride
Concen: 7.470 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :

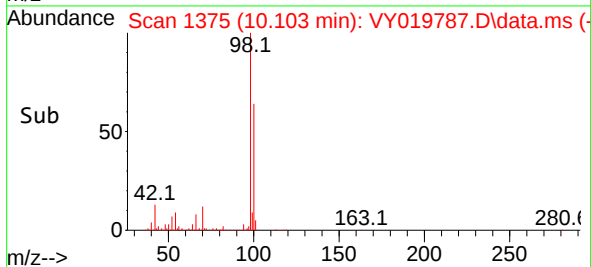
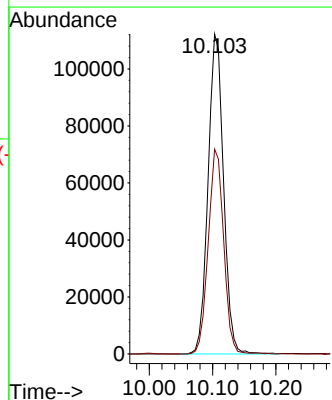
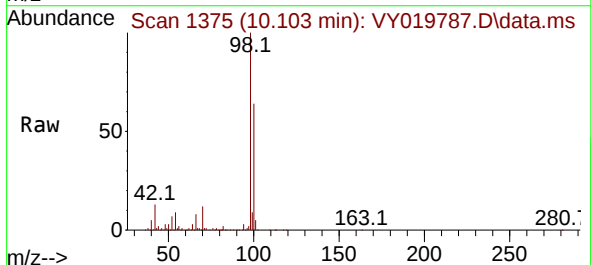


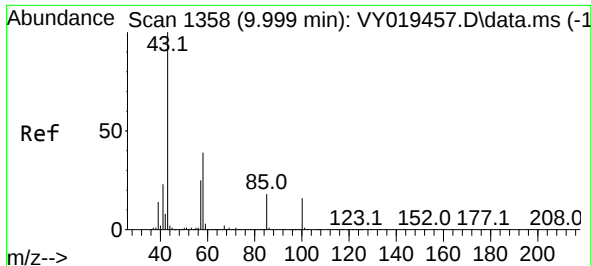
Tgt Ion:117 Resp: 10956
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 54.070 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 98 Resp: 191169
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 3.214 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

Instrument :

MSVOA_Y

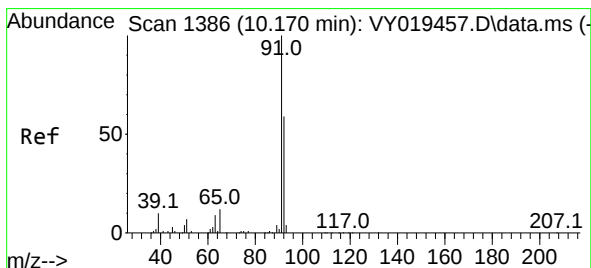
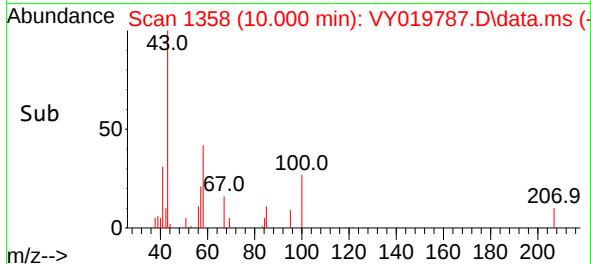
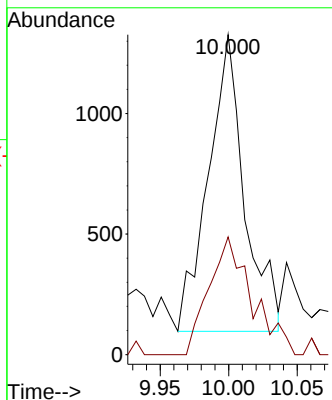
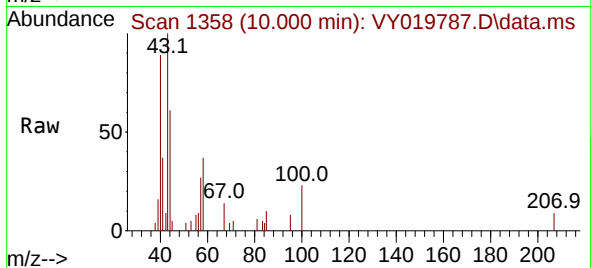
ClientSampleId :

Tgt Ion: 43 Resp: 2264

Ion Ratio Lower Upper

43 100

58 47.1 35.7 53.5



#52

Toluene

Concen: 7.564 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY019787.D

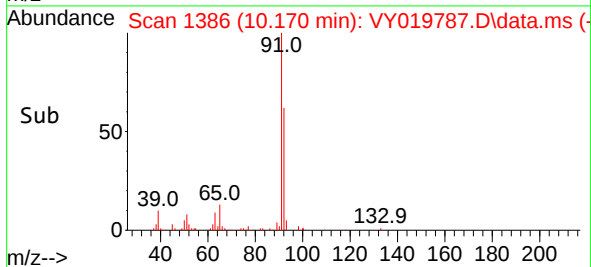
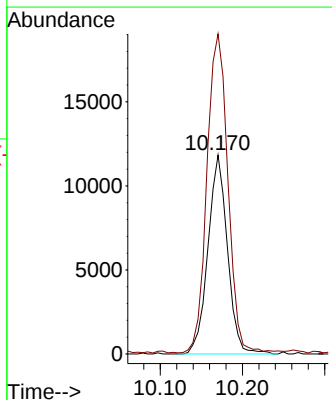
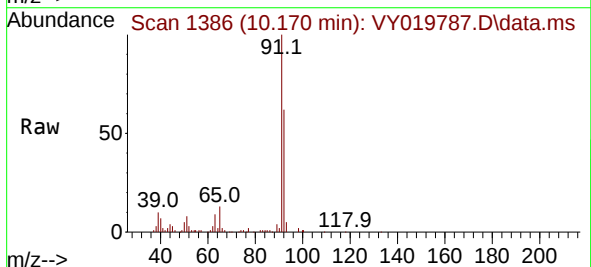
Acq: 03 Oct 2024 14:54

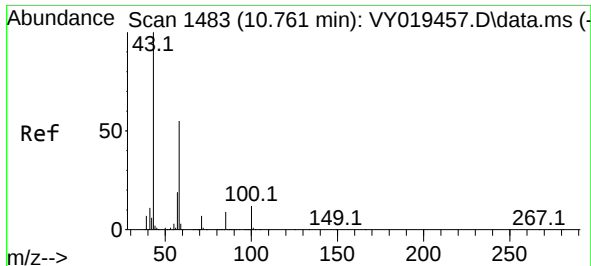
Tgt Ion: 92 Resp: 19488

Ion Ratio Lower Upper

92 100

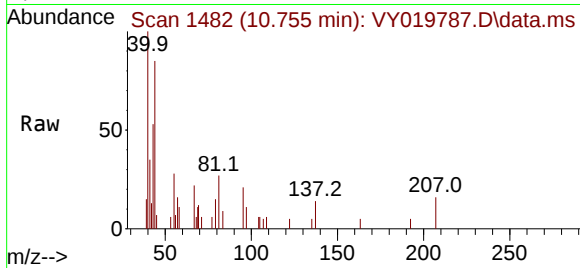
91 172.3 139.0 208.6



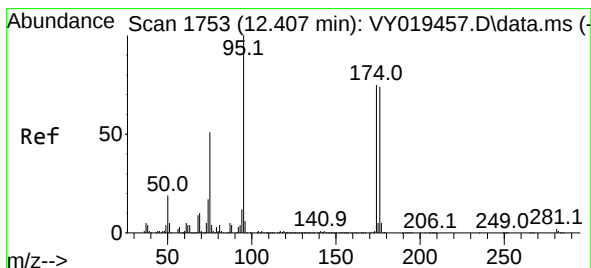
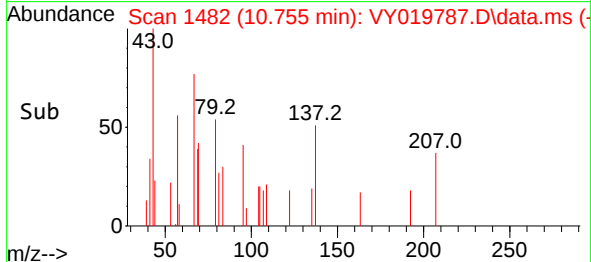
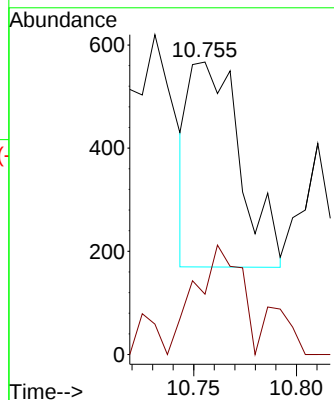


#59
2-Hexanone
Concen: 1.330 ug/l
RT: 10.755 min Scan# 1482
Delta R.T. -0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :

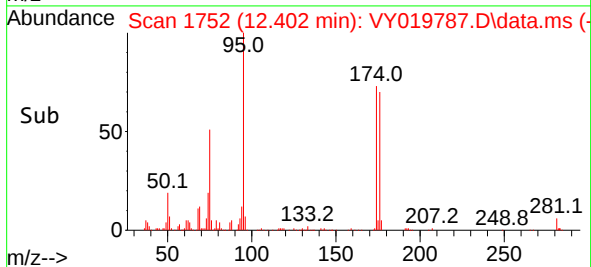
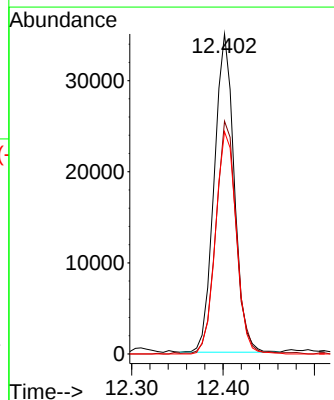
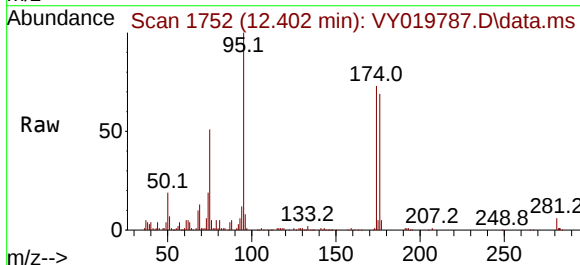


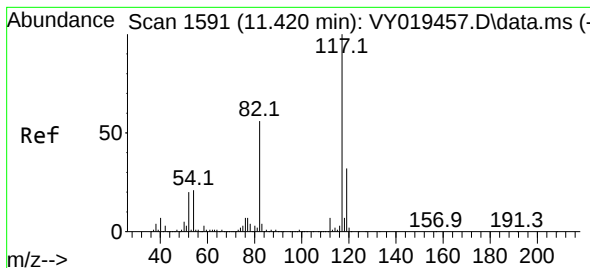
Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
58 46.9 31.4 94.0



#62
4-Bromofluorobenzene
Concen: 39.112 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 95 Resp: 53171
Ion Ratio Lower Upper
95 100
174 74.8 0.0 175.6
176 72.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

Instrument :

MSVOA_Y

ClientSampleId :

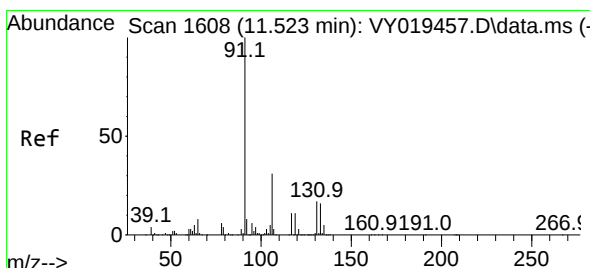
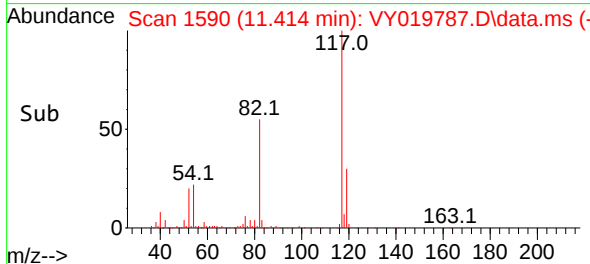
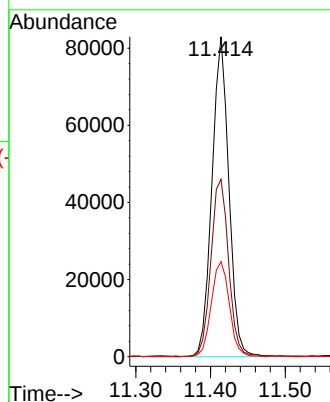
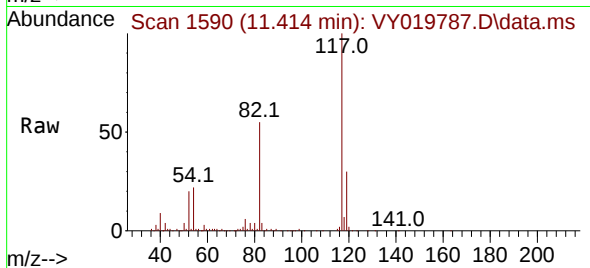
Tgt Ion:117 Resp: 130616

Ion Ratio Lower Upper

117 100

82 55.3 42.4 63.6

119 29.7 25.9 38.9



#67

Ethyl Benzene

Concen: 1.654 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019787.D

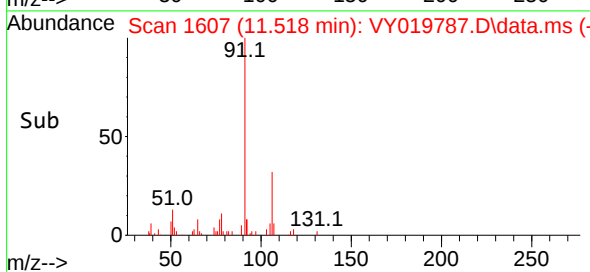
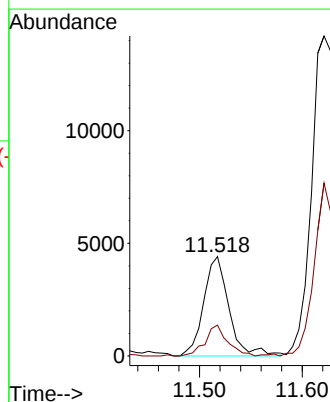
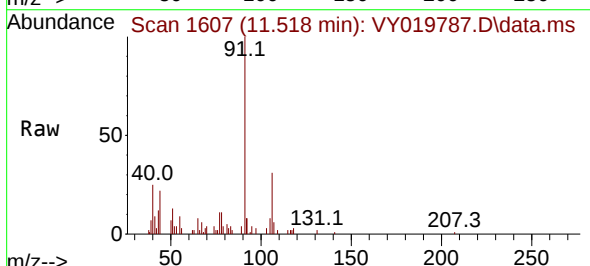
Acq: 03 Oct 2024 14:54

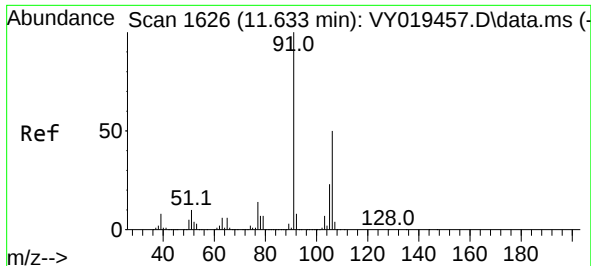
Tgt Ion: 91 Resp: 7550

Ion Ratio Lower Upper

91 100

106 31.1 24.5 36.7

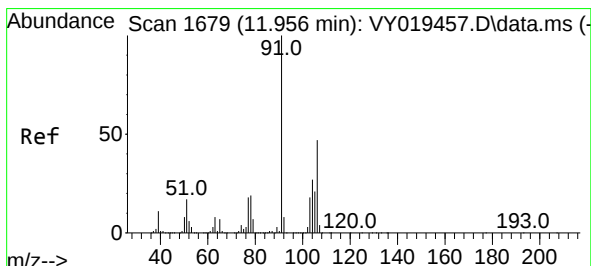
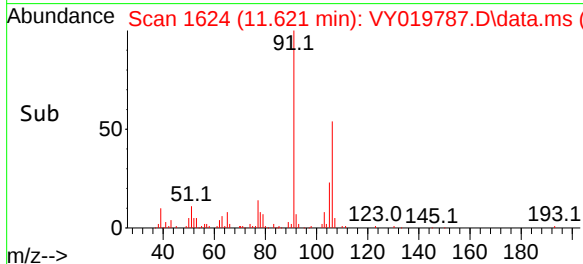
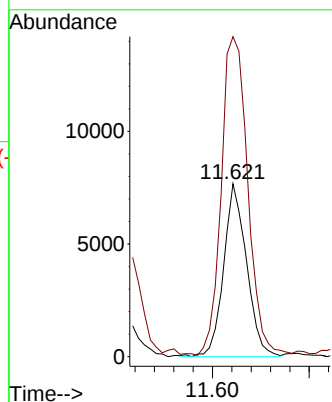
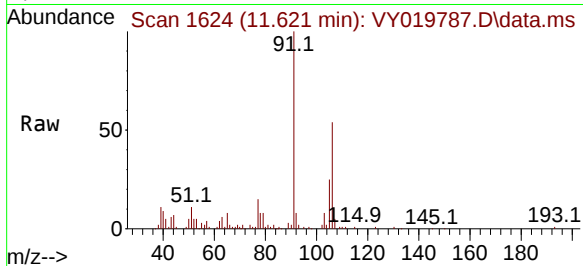




#68
m/p-Xylenes
Concen: 7.302 ug/l
RT: 11.621 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

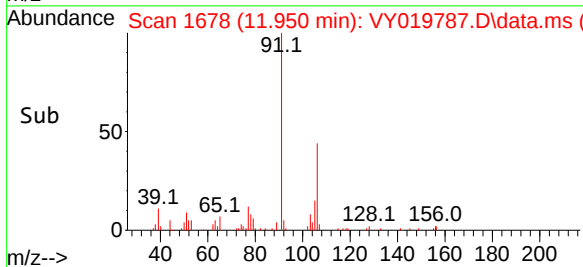
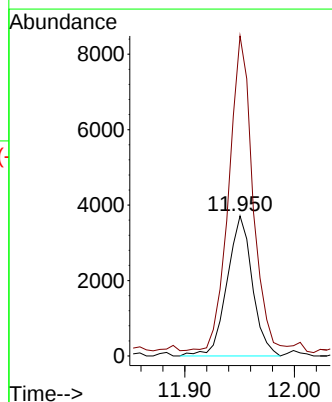
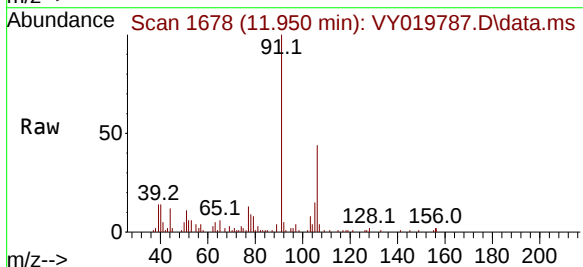
Instrument :
MSVOA_Y
ClientSampleId :

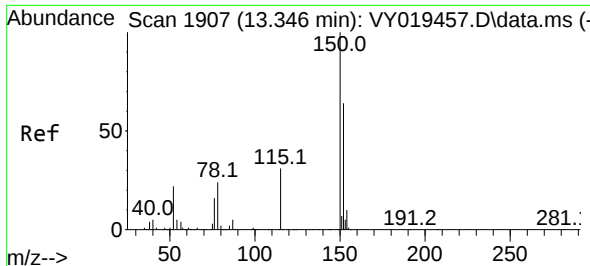
Tgt Ion:106 Resp: 12605
Ion Ratio Lower Upper
106 100
91 210.5 156.0 234.0



#69
o-Xylene
Concen: 3.513 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion:106 Resp: 5931
Ion Ratio Lower Upper
106 100
91 211.8 103.6 310.8

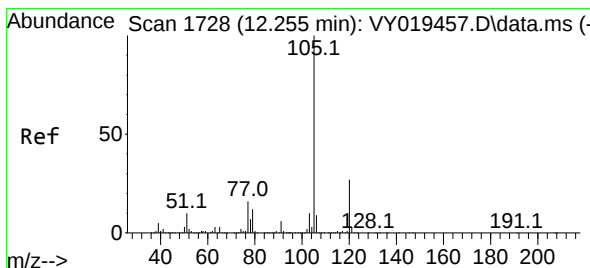
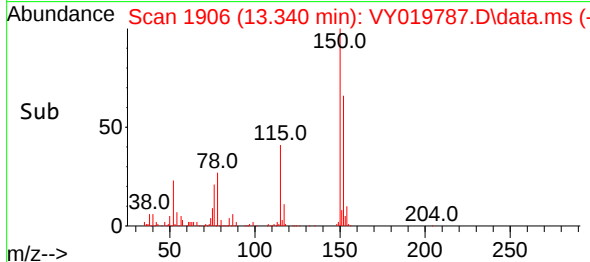
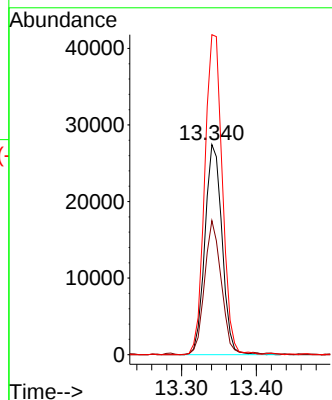
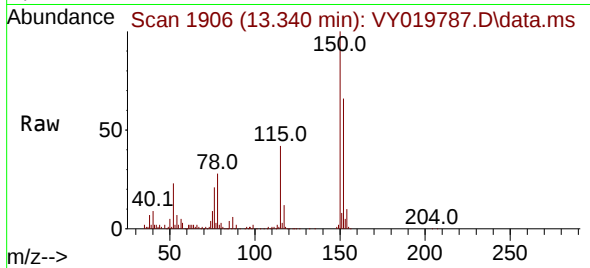




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY019787.D
 Acq: 03 Oct 2024 14:54

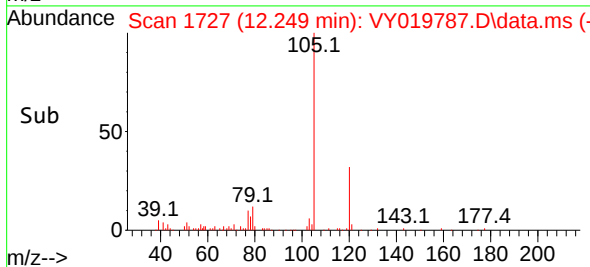
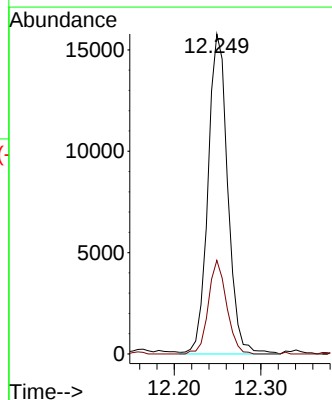
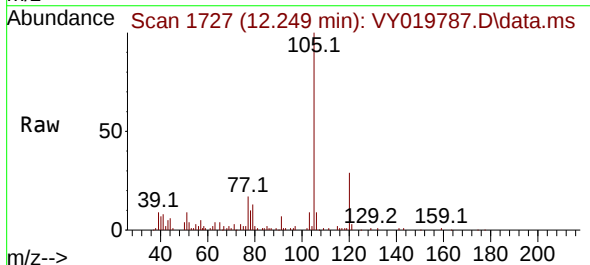
Instrument :
 MSVOA_Y
 ClientSampleId :

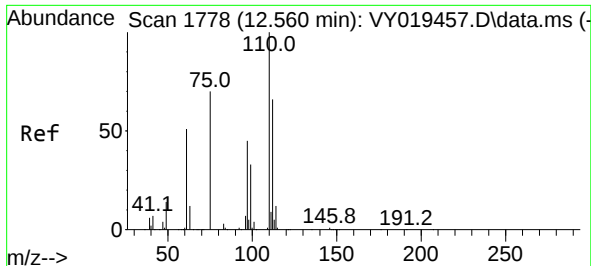
Tgt Ion:152 Resp: 43698
 Ion Ratio Lower Upper
 152 100
 115 62.0 28.2 84.7
 150 156.2 0.0 345.6



#73
 Isopropylbenzene
 Concen: 7.886 ug/l
 RT: 12.249 min Scan# 1727
 Delta R.T. -0.006 min
 Lab File: VY019787.D
 Acq: 03 Oct 2024 14:54

Tgt Ion:105 Resp: 25001
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.4 40.1

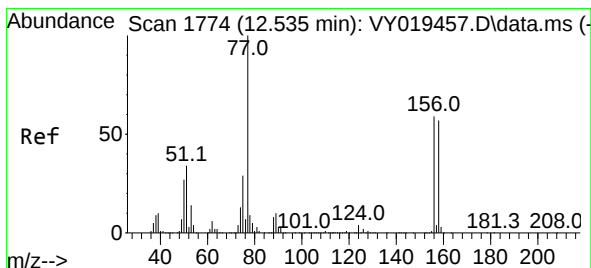
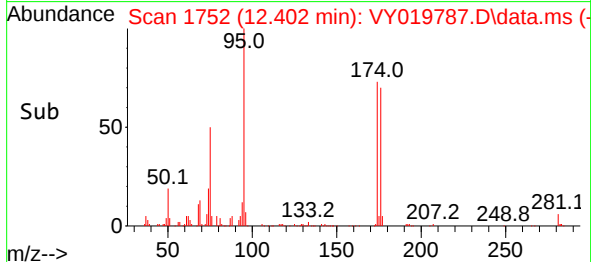
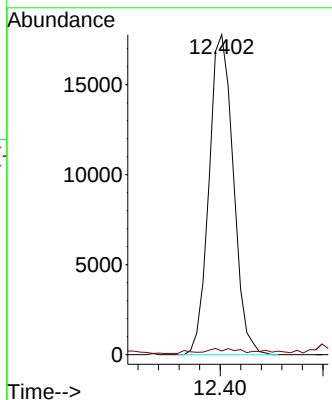
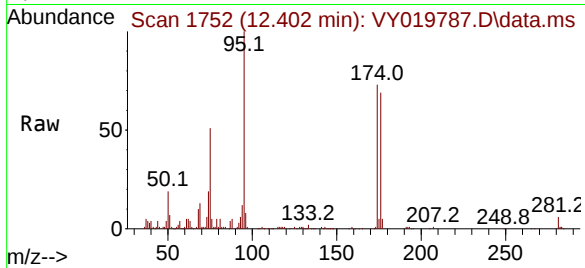




#76
1,2,3-Trichloropropane
Concen: 71.247 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

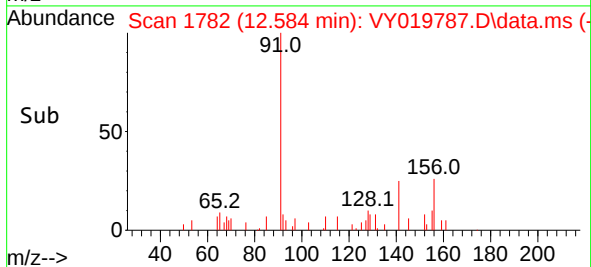
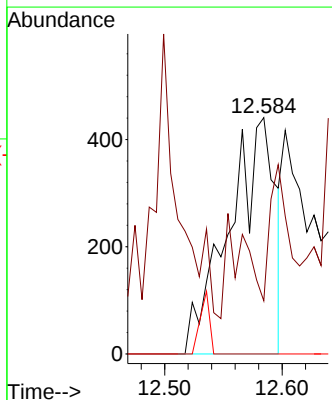
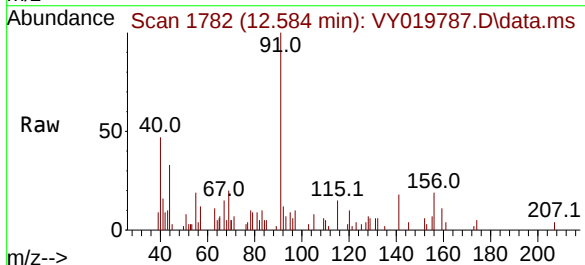
Instrument :
MSVOA_Y
ClientSampleId :

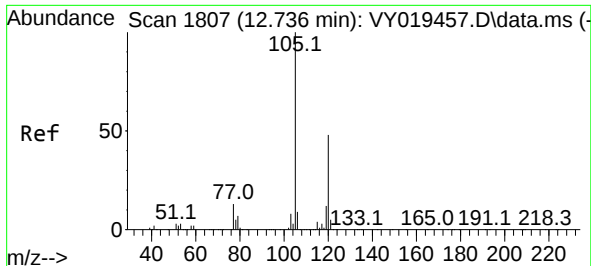
Tgt Ion: 75 Resp: 29181
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#77
Bromobenzene
Concen: 1.708 ug/l
RT: 12.584 min Scan# 1782
Delta R.T. 0.049 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 156 Resp: 1201
Ion Ratio Lower Upper
156 100
77 22.7 87.1 261.3#
158 0.0 48.6 145.9#

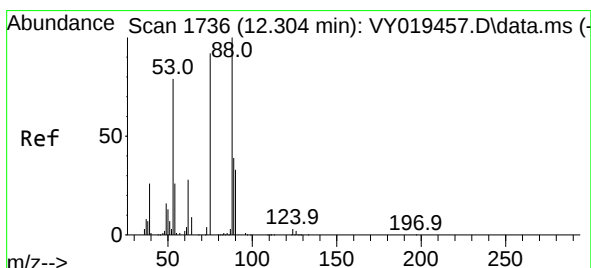
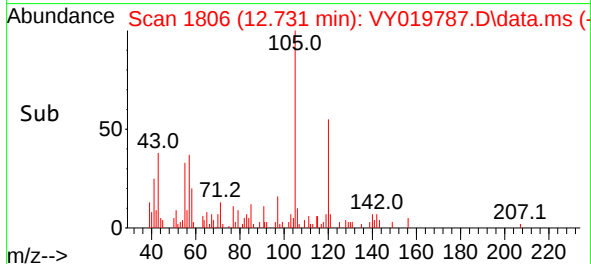
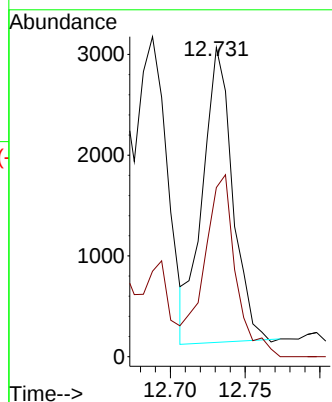
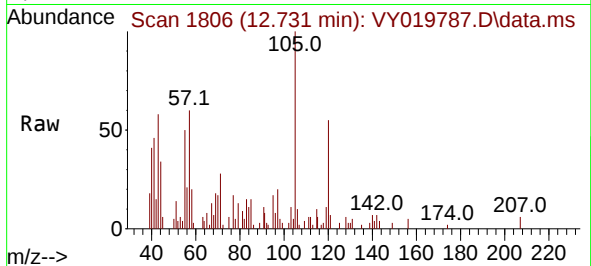




#80
1,3,5-Trimethylbenzene
Concen: 1.582 ug/l
RT: 12.731 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

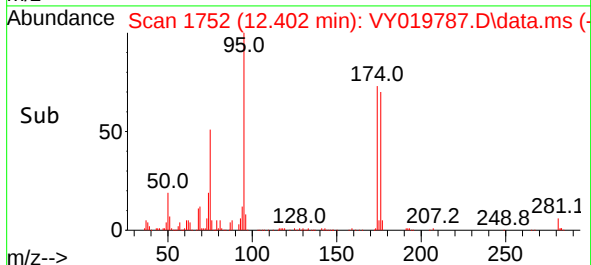
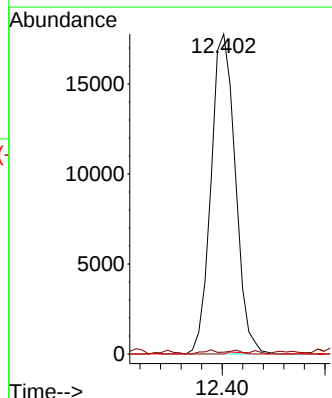
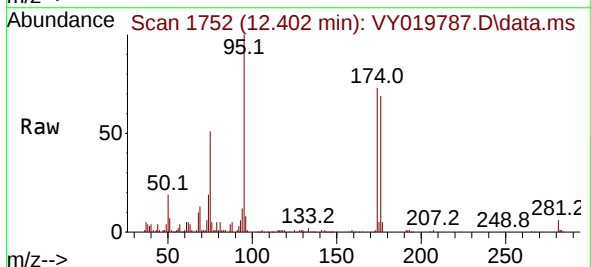
Instrument :
MSVOA_Y
ClientSampleId :

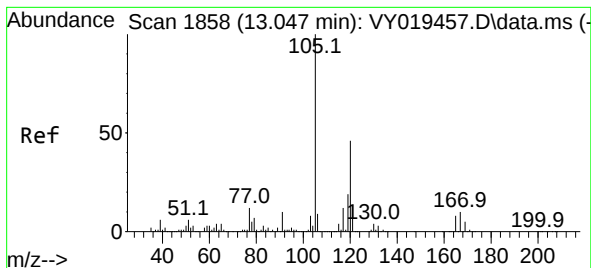
Tgt Ion:105 Resp: 4076
Ion Ratio Lower Upper
105 100
120 65.0 25.1 75.2



#81
trans-1,4-Dichloro-2-butene
Concen: 136.773 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019787.D
Acq: 03 Oct 2024 14:54

Tgt Ion: 75 Resp: 29181
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.3 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 6.300 ug/l

RT: 13.036 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

Instrument :

MSVOA_Y

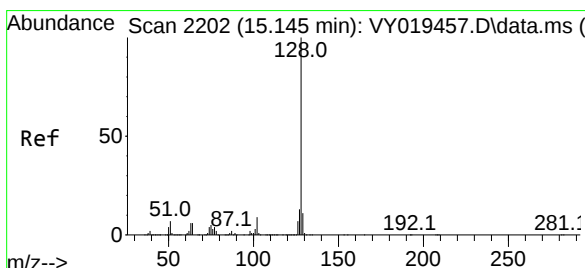
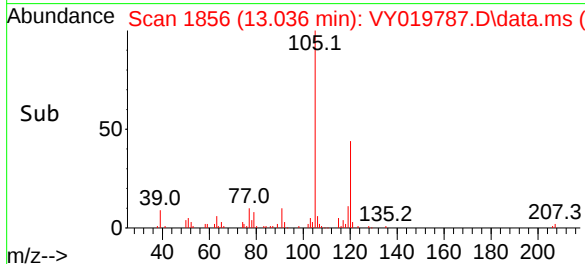
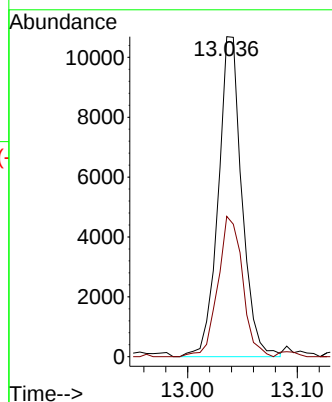
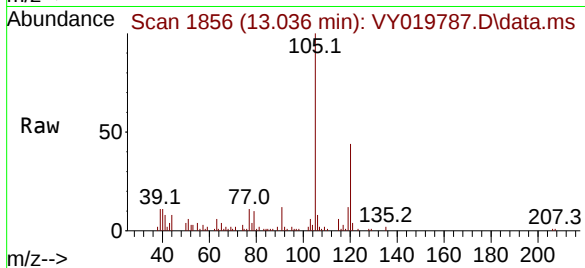
ClientSampleId :

Tgt Ion:105 Resp: 16071

Ion Ratio Lower Upper

105 100

120 45.5 23.2 69.6



#95

Naphthalene

Concen: 1.645 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019787.D

Acq: 03 Oct 2024 14:54

Tgt Ion:128 Resp: 2443

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

129 15.3 8.6 13.0#

