

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019591.D
 Acq On : 17 Sep 2024 17:22
 Operator : SY/MD
 Sample : P3985-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:34:17 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

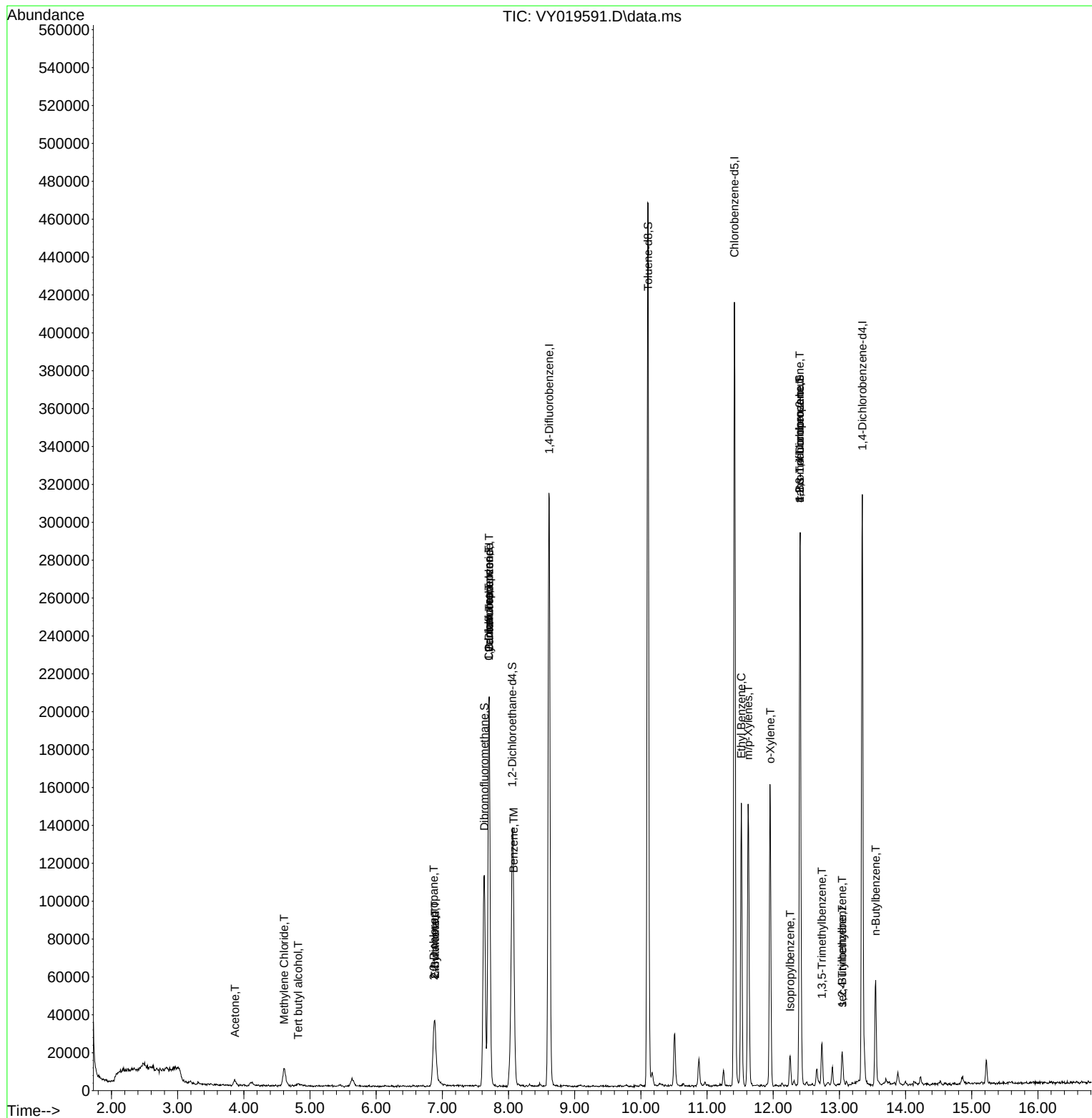
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	152843	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	268445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	215777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	74473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	81130	57.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.640%	
35) Dibromofluoromethane	7.634	113	81878	53.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.600%	
50) Toluene-d8	10.109	98	307489	54.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.240%	
62) 4-Bromofluorobenzene	12.402	95	89927	41.544	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 83.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.879	85	26	Below Cal	#	43
11) Tert butyl alcohol	4.824	59	643	5.626	ug/l	# 88
13) Acrolein	3.653	56	94	Below Cal	#	1
16) Acetone	3.866	43	5515	16.357	ug/l	# 74
20) Methylene Chloride	4.610	84	6215	4.042	ug/l	# 87
25) 2-Butanone	6.890	43	5972	12.453	ug/l	# 73
26) 2,2-Dichloropropane	6.872	77	3275	1.296	ug/l	# 51
31) Cyclohexane	7.701	56	3787	1.495	ug/l	# 60
36) 1,1-Dichloropropene	7.701	75	13844	6.685	ug/l	# 47
37) Ethyl Acetate	6.890	43	5972	5.628	ug/l	# 60
38) Carbon Tetrachloride	7.707	117	16292	6.976	ug/l	# 17
40) Benzene	8.079	78	49652	7.784	ug/l	98
67) Ethyl Benzene	11.518	91	99820	13.236	ug/l	98
68) m/p-Xylenes	11.621	106	42980	15.072	ug/l	92
69) o-Xylene	11.956	106	39964	14.330	ug/l	92
73) Isopropylbenzene	12.255	105	7548	1.397	ug/l	96
76) 1,2,3-Trichloropropane	12.402	75	49696	71.195	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.737	105	11130	2.534	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.402	75	49696	136.673	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.042	105	9858	2.267	ug/l	95
85) sec-Butylbenzene	13.042	105	9858	1.707	ug/l	# 56
89) n-Butylbenzene	13.548	91	4717	1.044	ug/l	# 44

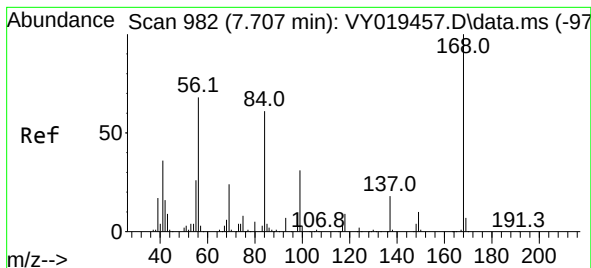
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

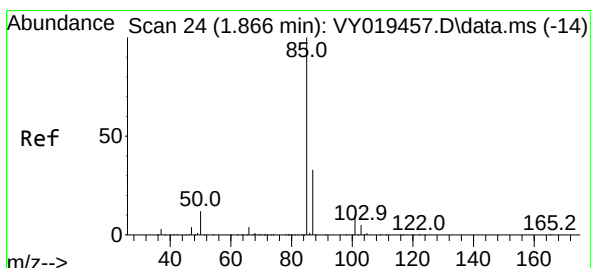
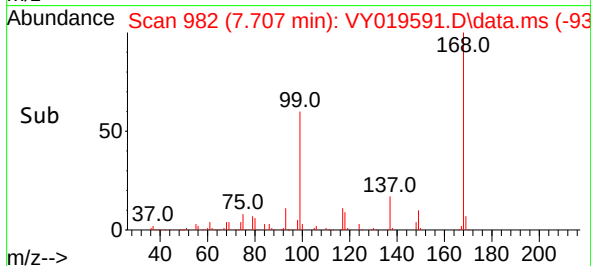
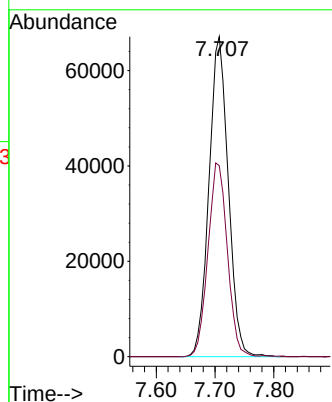
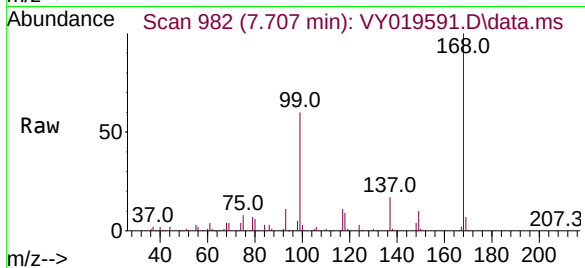
ClientSampleId :

Tgt Ion:168 Resp: 152843

Ion Ratio Lower Upper

168 100

99 59.7 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.879 min Scan# 26

Delta R.T. 0.013 min

Lab File: VY019591.D

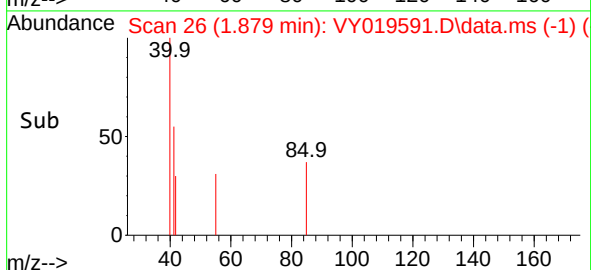
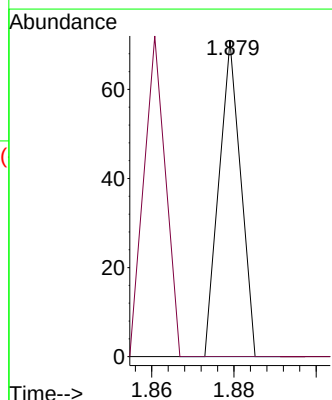
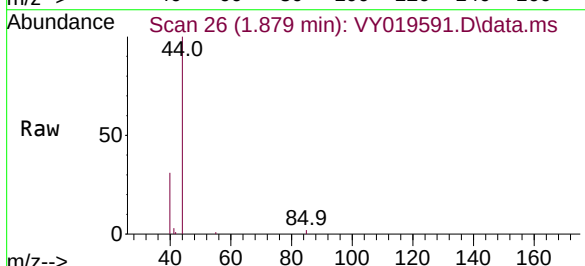
Acq: 17 Sep 2024 17:22

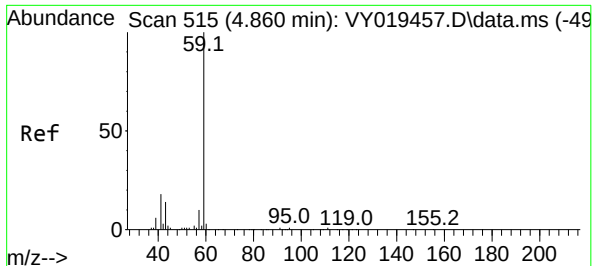
Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

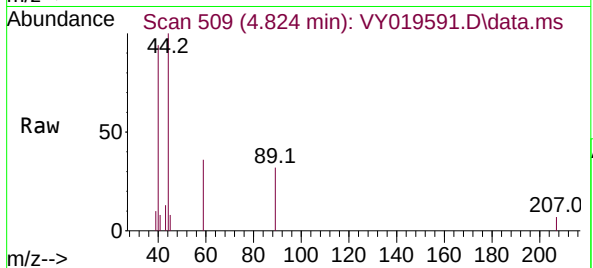
87 0.0 16.0 48.0#



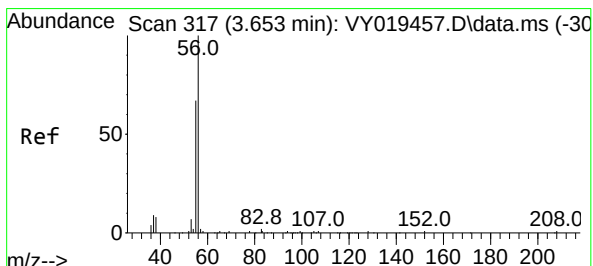
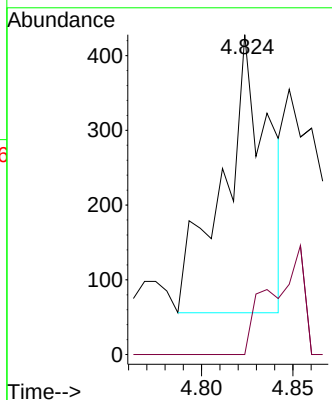
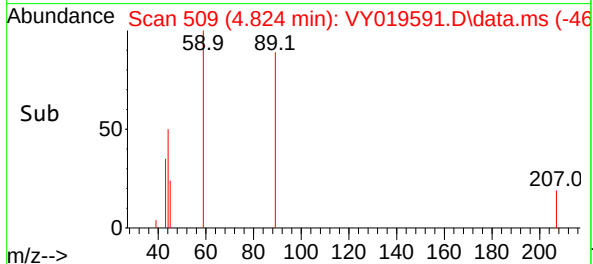


#11
Tert butyl alcohol
Concen: 5.626 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY019591.D
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Instrument :
MSVOA_Y
ClientSampleId :

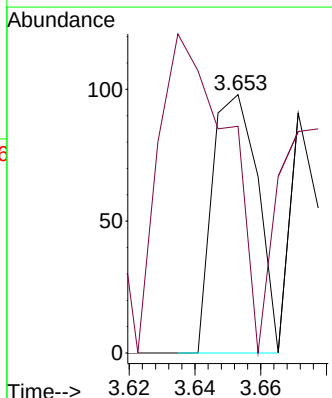
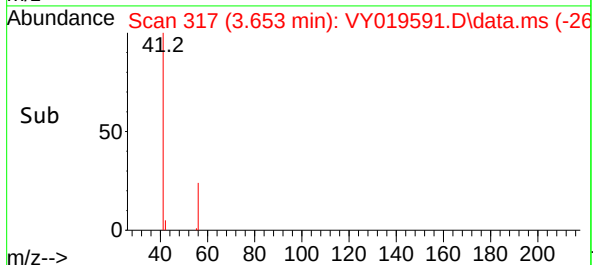
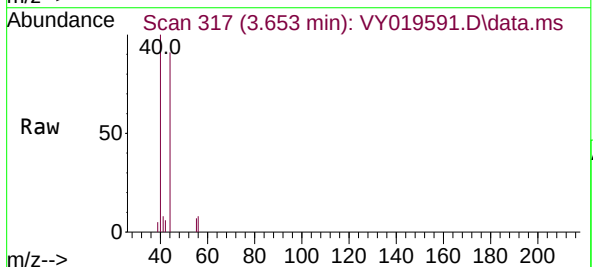


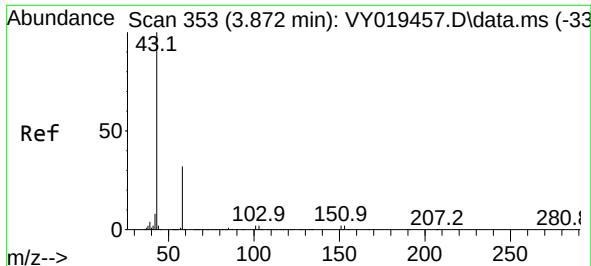
Tgt Ion: 59 Resp: 643
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

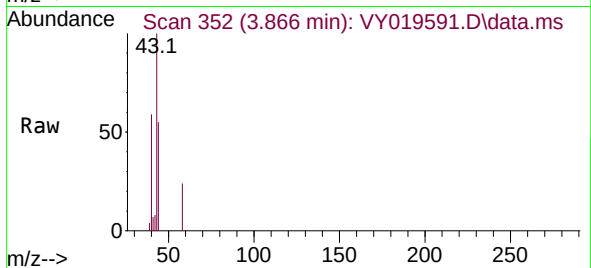
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 186.2 55.7 83.5#



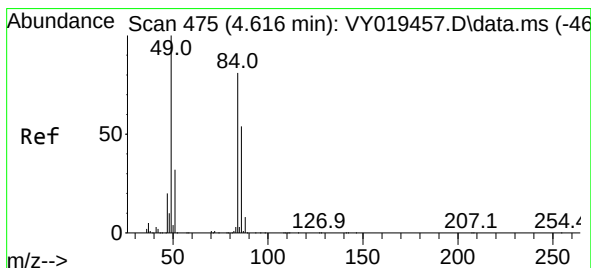
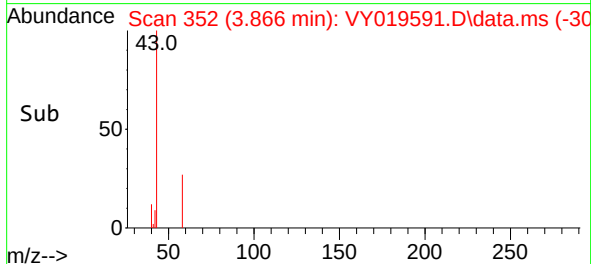
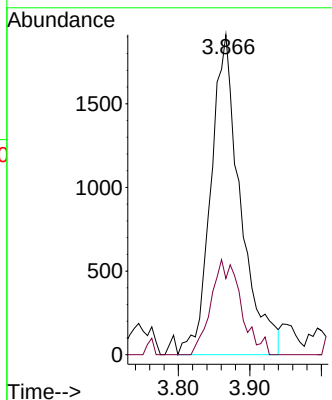


#16
Acetone
Concen: 16.357 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Instrument :
MSVOA_Y
ClientSampleId :

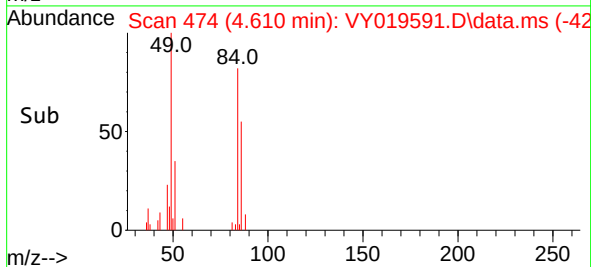
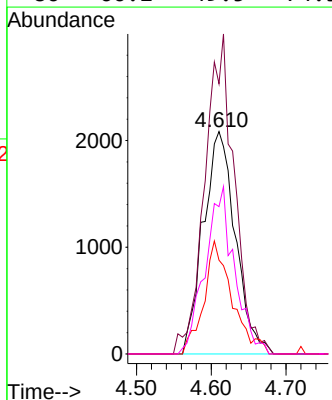
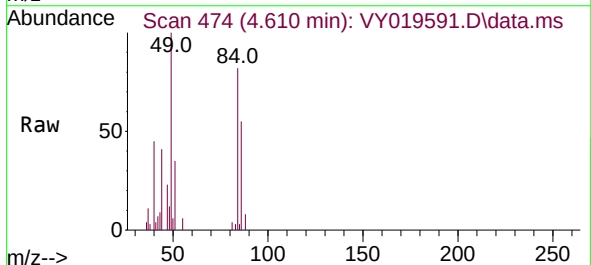


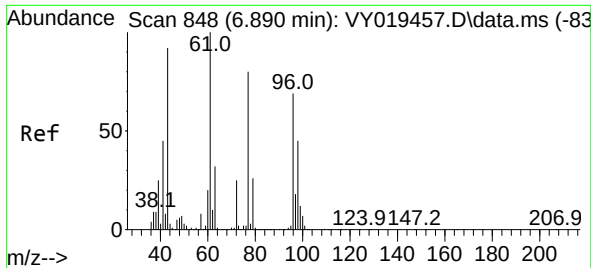
Tgt Ion: 43 Resp: 5515
Ion Ratio Lower Upper
43 100
58 23.8 31.7 47.5#



#20
Methylene Chloride
Concen: 4.042 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Tgt Ion: 84 Resp: 6215
Ion Ratio Lower Upper
84 100
49 121.5 84.4 126.6
51 42.2 26.0 39.0#
86 66.2 49.5 74.3

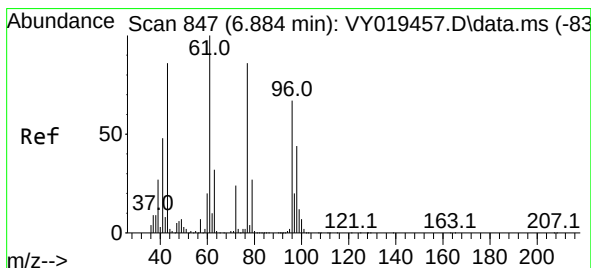
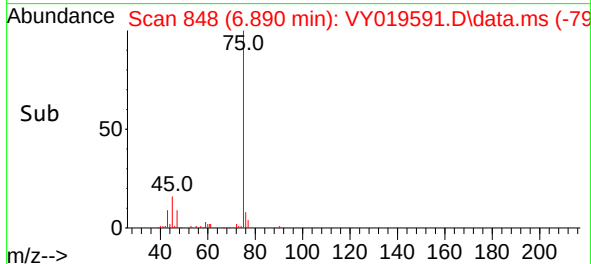
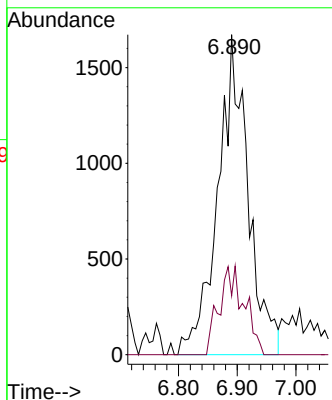
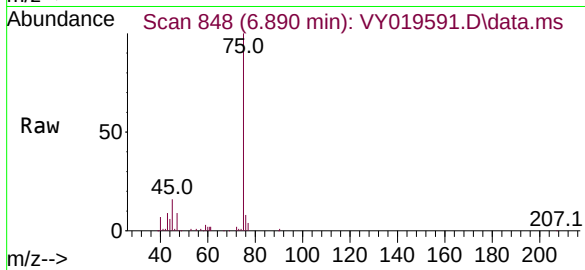




#25
2-Butanone
Concen: 12.453 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

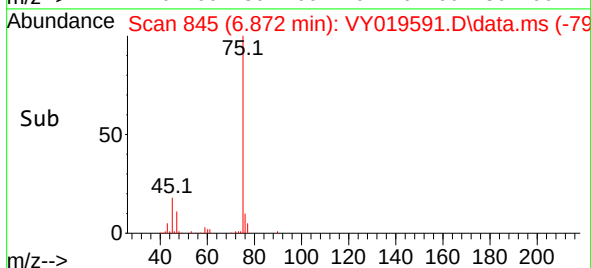
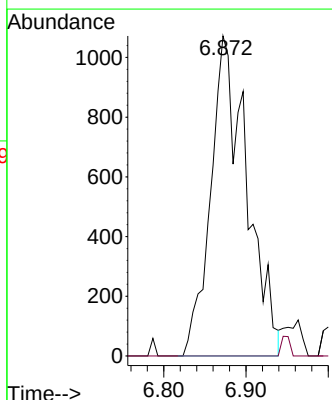
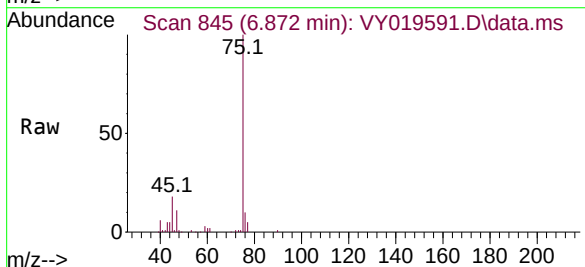
Instrument :
MSVOA_Y
ClientSampleId :

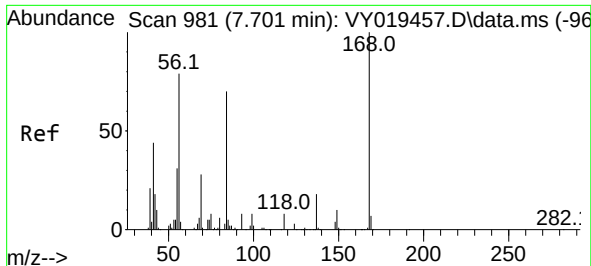
Tgt Ion: 43 Resp: 5972
Ion Ratio Lower Upper
43 100
72 18.4 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 1.296 ug/l
RT: 6.872 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

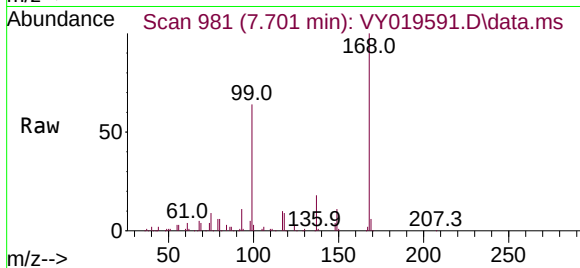
Tgt Ion: 77 Resp: 3275
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



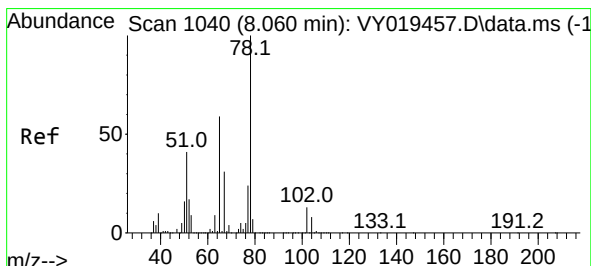
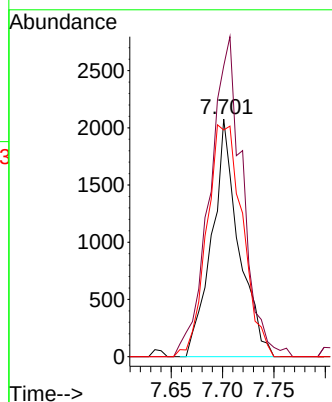
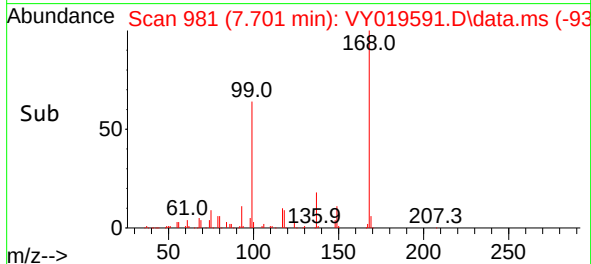


#31
Cyclohexane
Concen: 1.495 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Instrument :
MSVOA_Y
ClientSampleId :

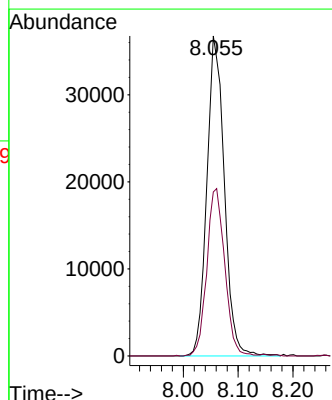
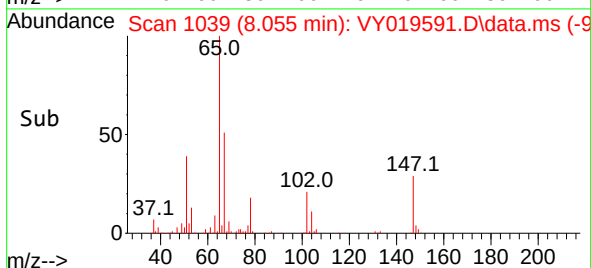
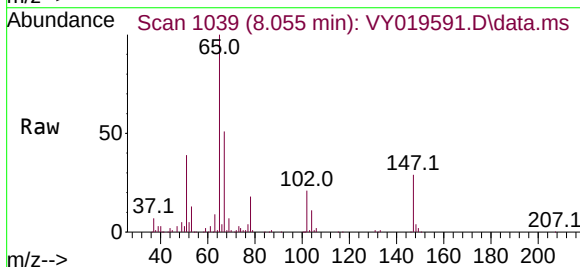


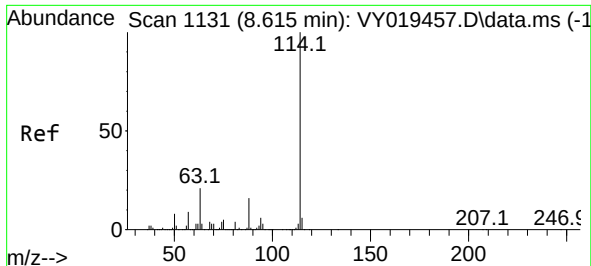
Tgt Ion: 56 Resp: 3787
Ion Ratio Lower Upper
56 100
69 119.7 28.7 43.1#
84 95.4 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 57.324 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Tgt Ion: 65 Resp: 81130
Ion Ratio Lower Upper
65 100
67 53.7 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: VY019591.D

Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

ClientSampleId :

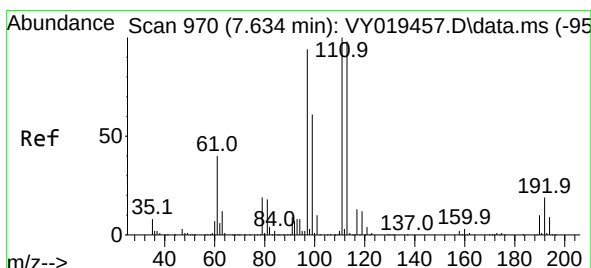
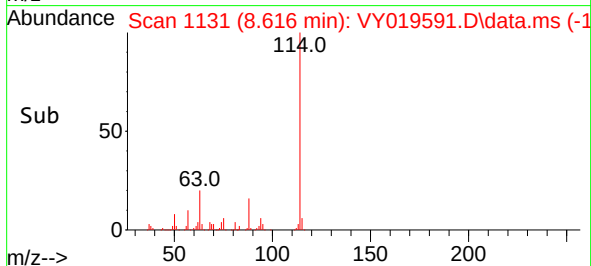
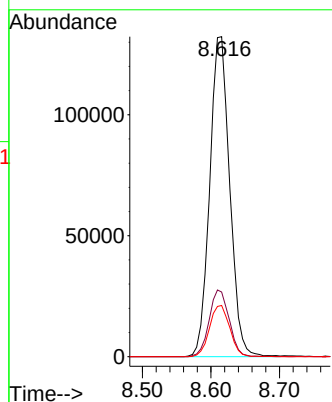
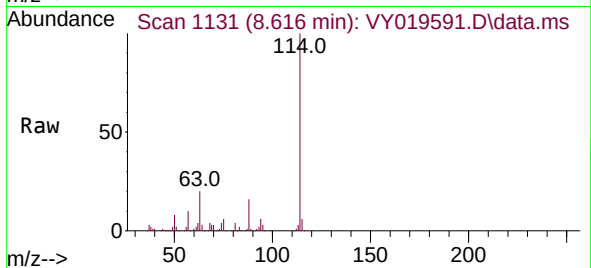
Tgt Ion:114 Resp: 268445

Ion Ratio Lower Upper

114 100

63 20.2 0.0 35.0

88 16.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.795 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

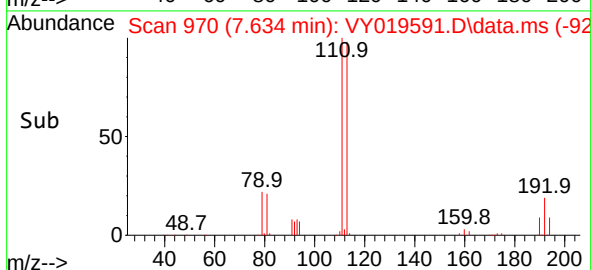
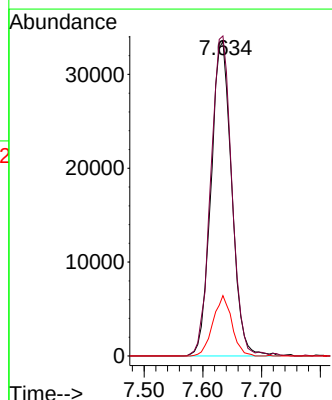
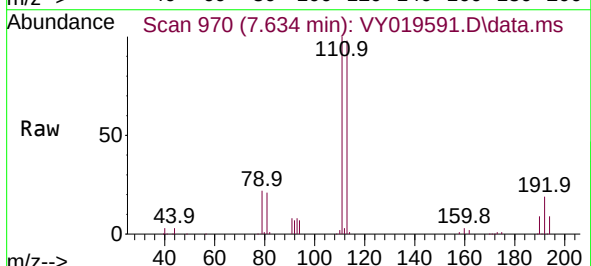
Tgt Ion:113 Resp: 81878

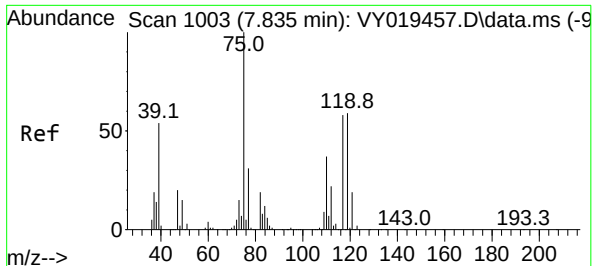
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.685 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019591.D

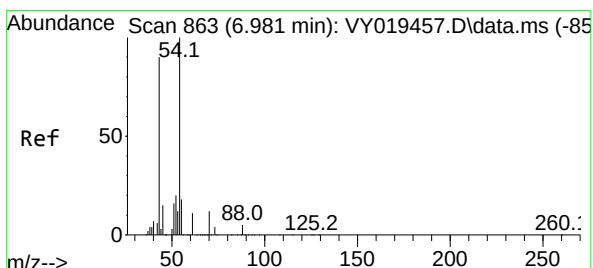
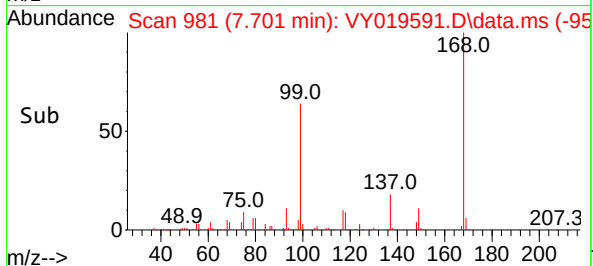
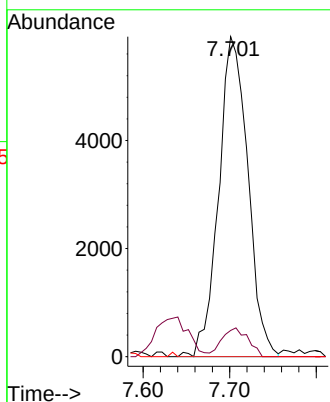
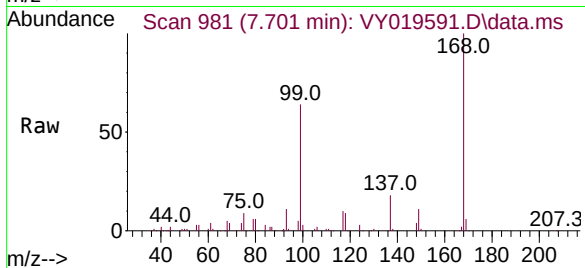
Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	13844
Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.0	57.0#
77	0.0	25.3	37.9#



#37

Ethyl Acetate

Concen: 5.628 ug/l

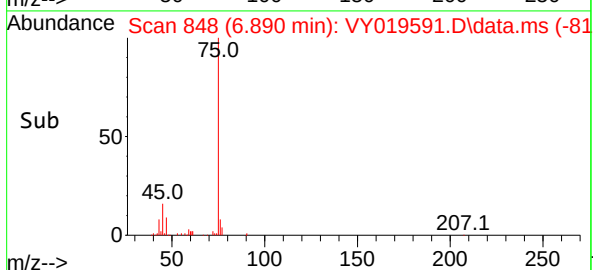
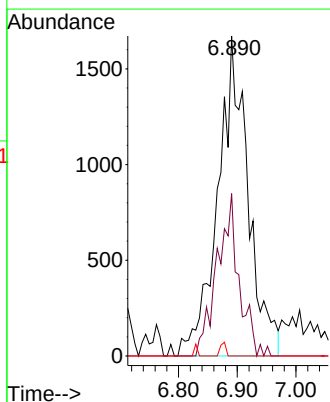
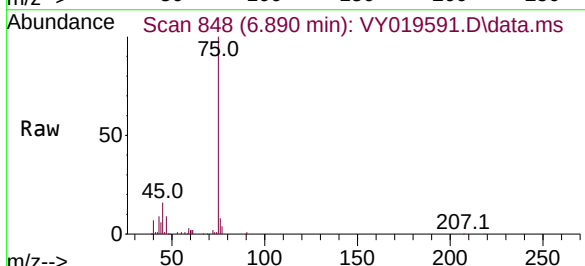
RT: 6.890 min Scan# 848

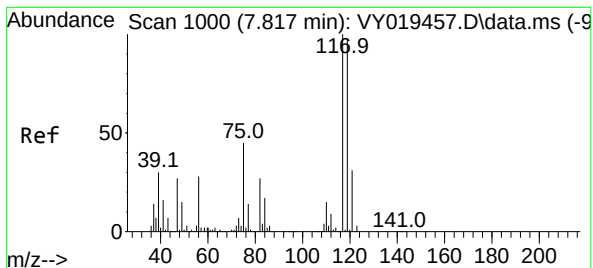
Delta R.T. -0.091 min

Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

Tgt Ion:	43	Resp:	5972
Ion	Ratio	Lower	Upper
43	100		
61	36.7	12.6	19.0#
70	0.8	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 6.976 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

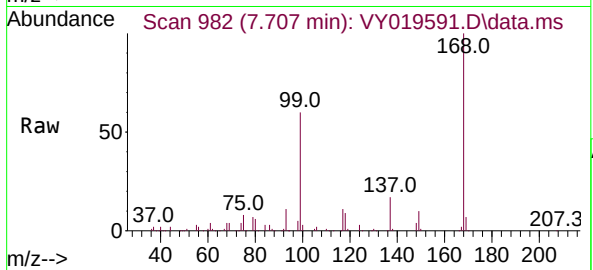
Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

ClientSampleId :



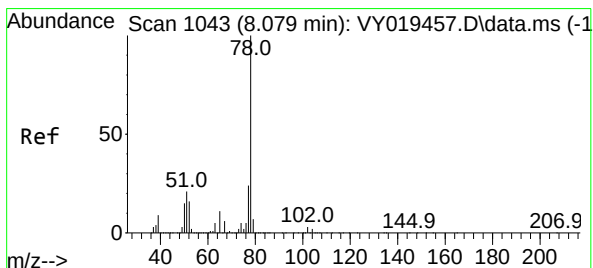
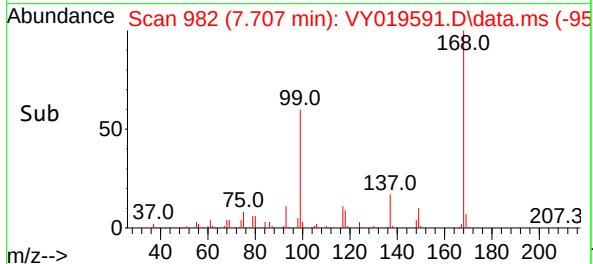
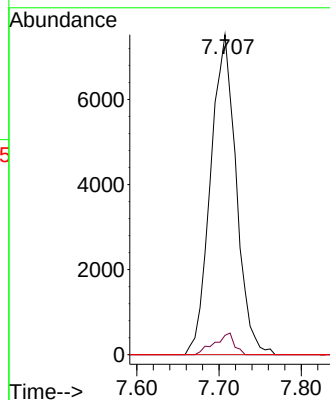
Tgt Ion:117 Resp: 16292

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.0 36.0#



#40

Benzene

Concen: 7.784 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019591.D

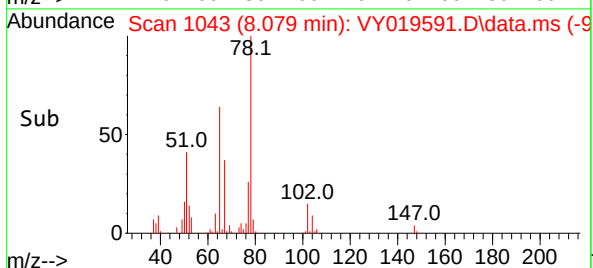
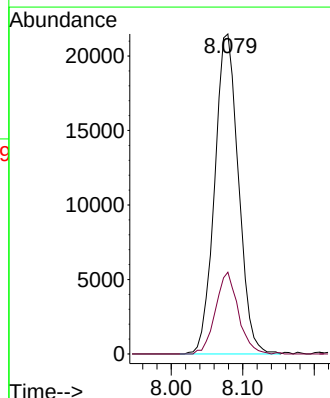
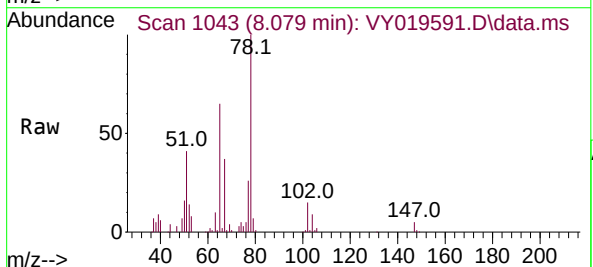
Acq: 17 Sep 2024 17:22

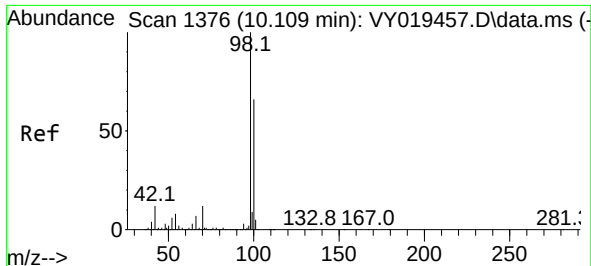
Tgt Ion: 78 Resp: 49652

Ion Ratio Lower Upper

78 100

77 25.6 19.5 29.3

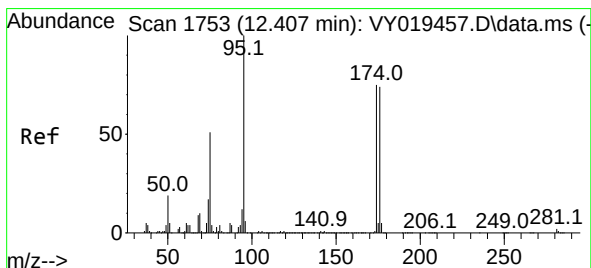
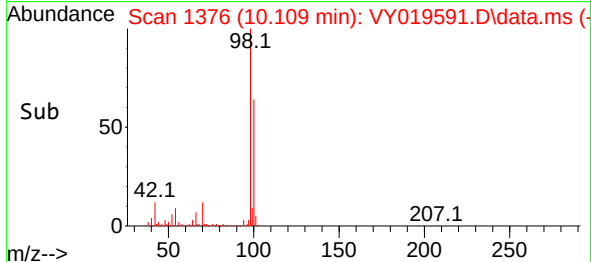
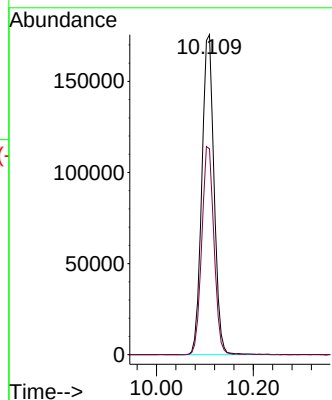
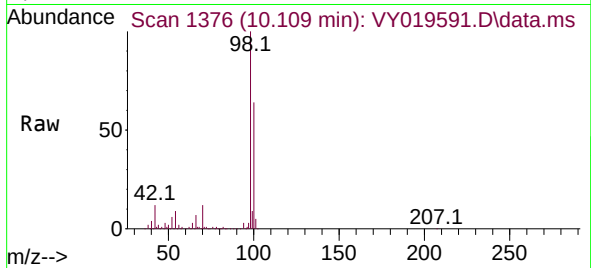




#50
Toluene-d8
Concen: 54.620 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

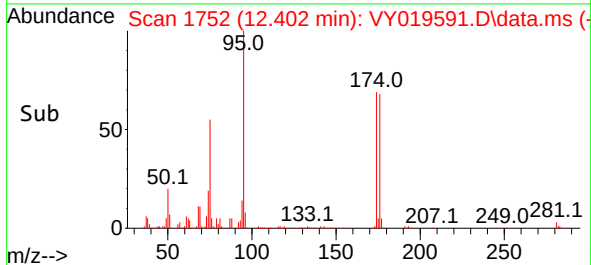
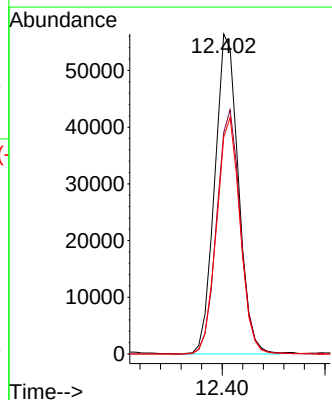
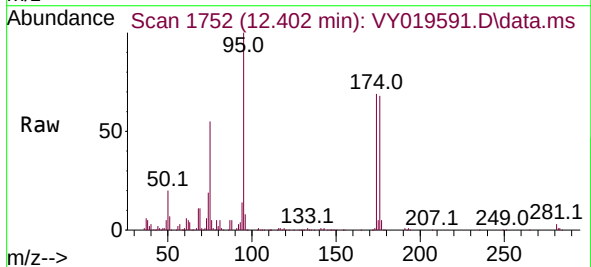
Instrument :
MSVOA_Y
ClientSampleId :

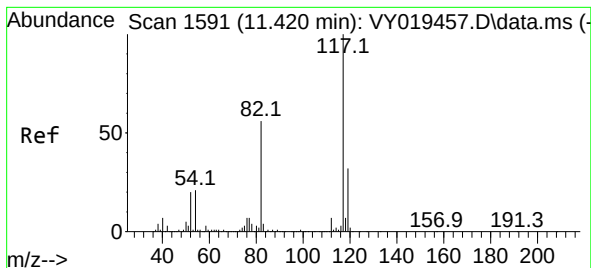
Tgt Ion: 98 Resp: 307489
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.544 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Tgt Ion: 95 Resp: 89927
Ion Ratio Lower Upper
95 100
174 76.0 0.0 175.6
176 73.5 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: VY019591.D

Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

ClientSampleId :

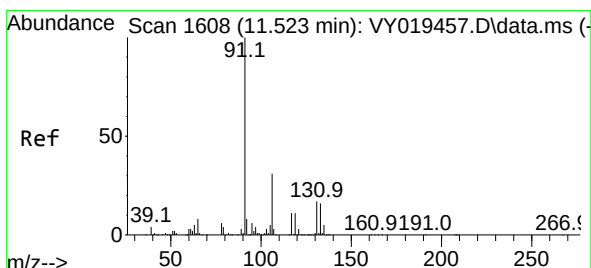
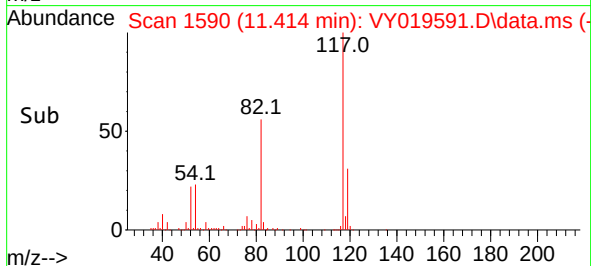
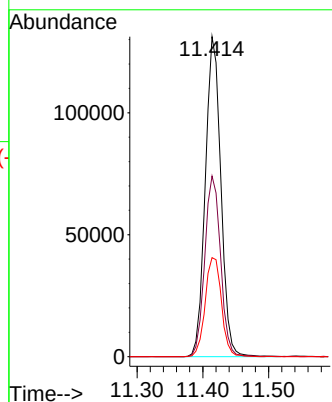
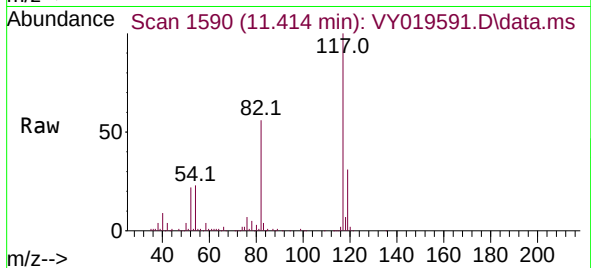
Tgt Ion:117 Resp: 215777

Ion Ratio Lower Upper

117 100

82 56.4 42.4 63.6

119 31.0 25.9 38.9



#67

Ethyl Benzene

Concen: 13.236 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019591.D

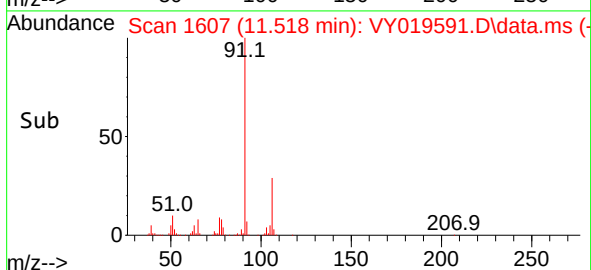
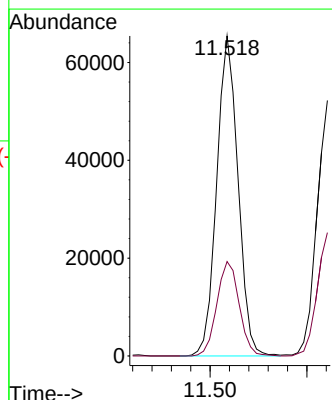
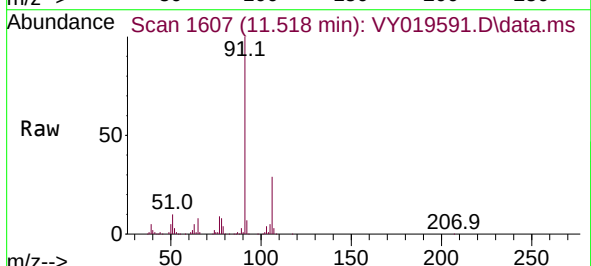
Acq: 17 Sep 2024 17:22

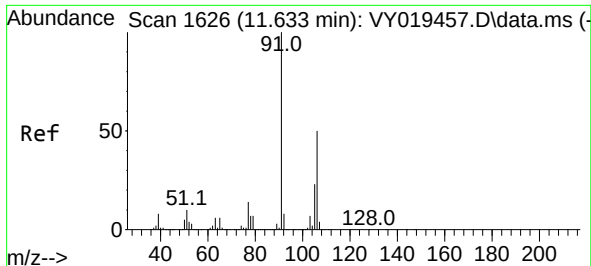
Tgt Ion: 91 Resp: 99820

Ion Ratio Lower Upper

91 100

106 29.5 24.5 36.7

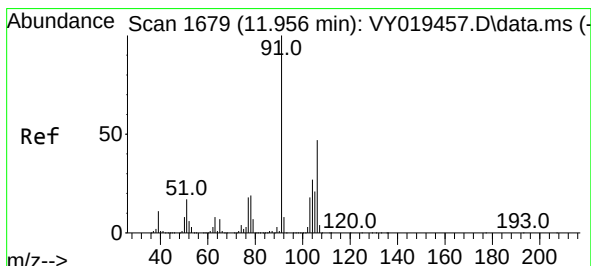
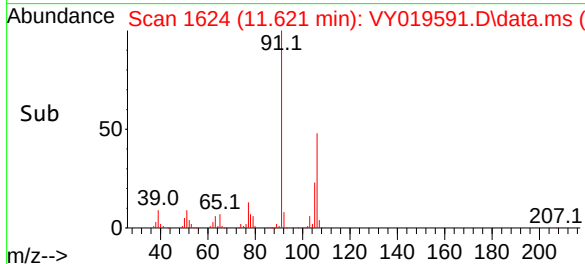
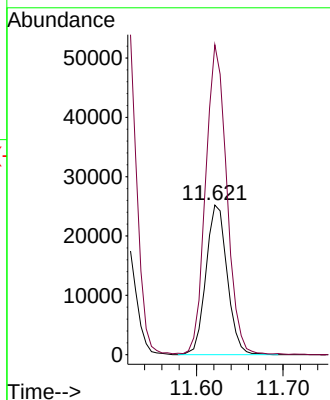
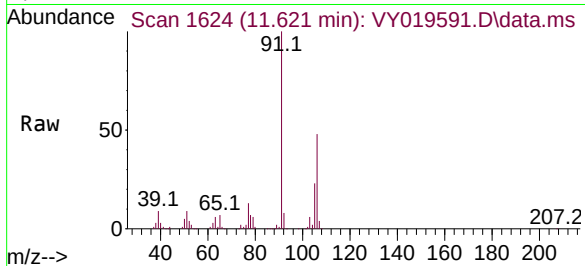




#68
m/p-Xylenes
Concen: 15.072 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

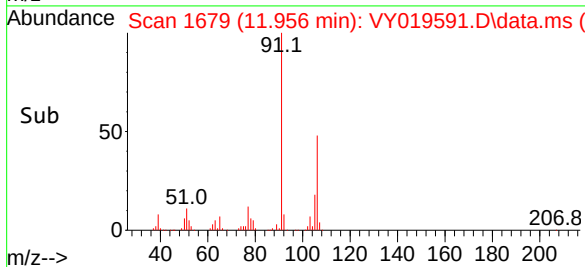
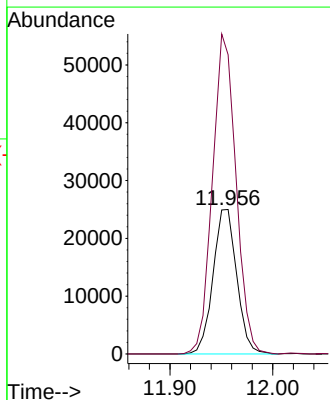
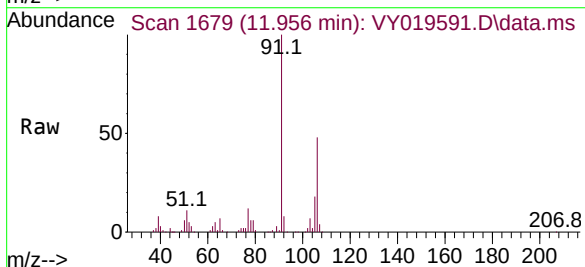
Instrument :
MSVOA_Y
ClientSampleId :

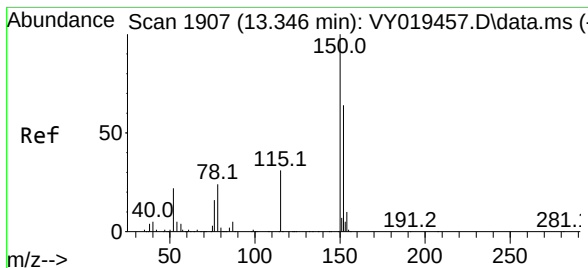
Tgt Ion:106 Resp: 42980
Ion Ratio Lower Upper
106 100
91 206.2 156.0 234.0



#69
o-Xylene
Concen: 14.330 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Tgt Ion:106 Resp: 39964
Ion Ratio Lower Upper
106 100
91 219.9 103.6 310.8

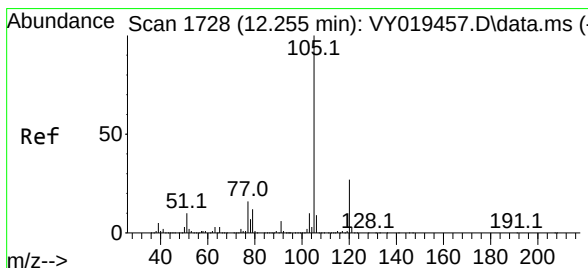
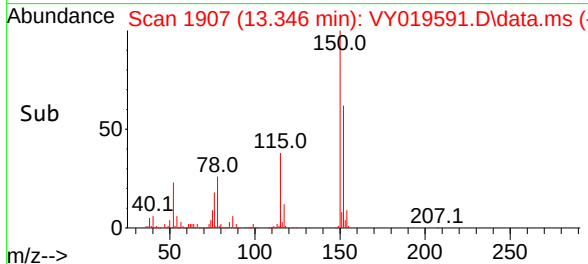
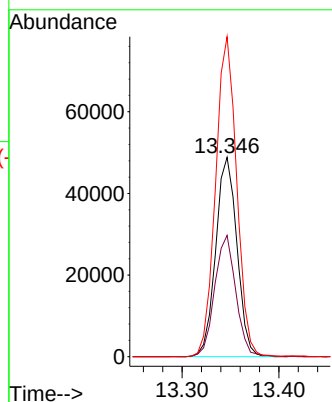
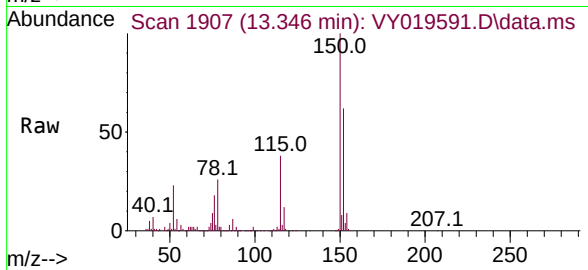




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019591.D
 Acq: 17 Sep 2024 17:22

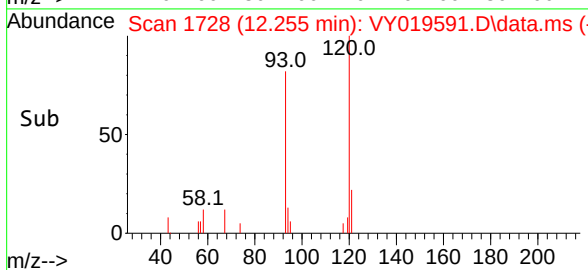
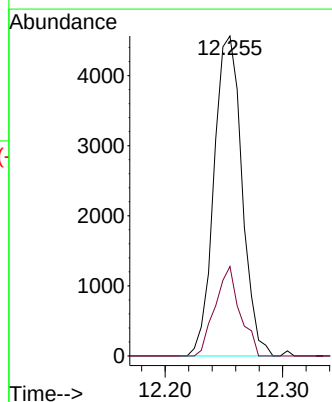
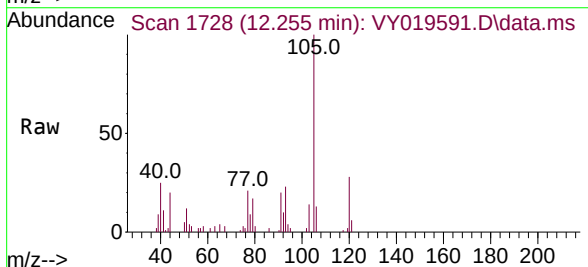
Instrument :
 MSVOA_Y
 ClientSampleId :

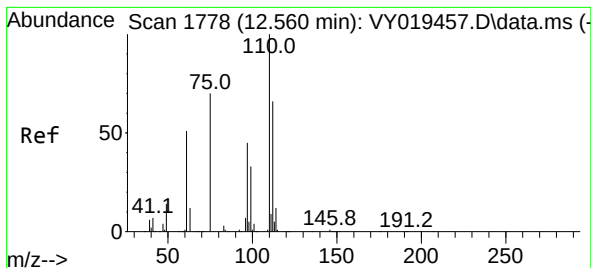
Tgt Ion:152 Resp: 74473
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.2 84.7
 150 159.2 0.0 345.6



#73
 Isopropylbenzene
 Concen: 1.397 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. 0.000 min
 Lab File: VY019591.D
 Acq: 17 Sep 2024 17:22

Tgt Ion:105 Resp: 7548
 Ion Ratio Lower Upper
 105 100
 120 24.8 13.4 40.1





#76

1,2,3-Trichloropropane

Concen: 71.195 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.158 min

Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

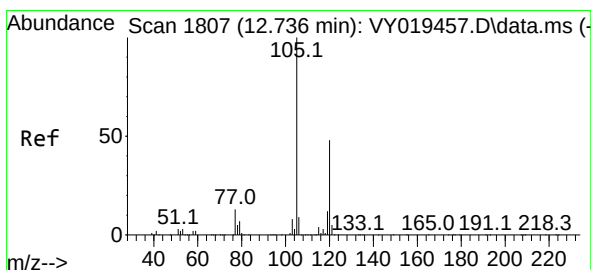
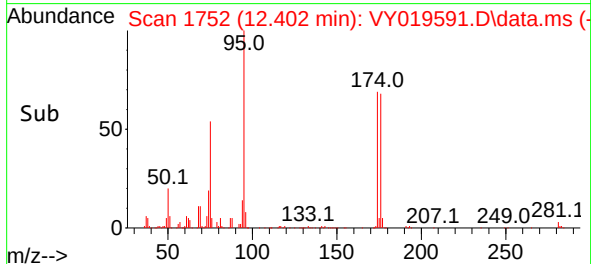
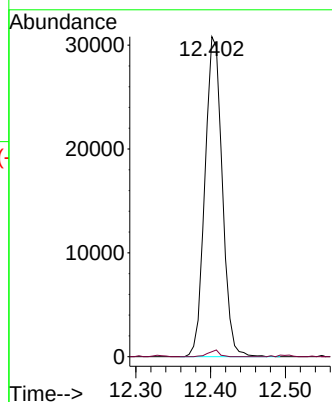
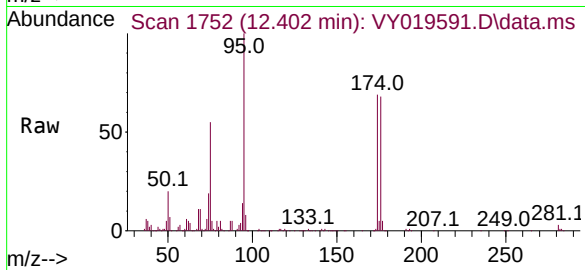
ClientSampleId :

Tgt Ion: 75 Resp: 49696

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 2.534 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019591.D

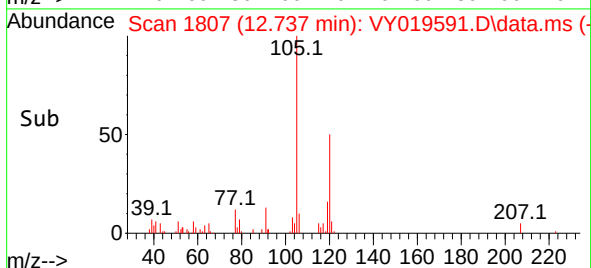
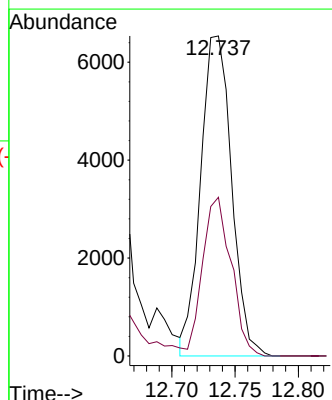
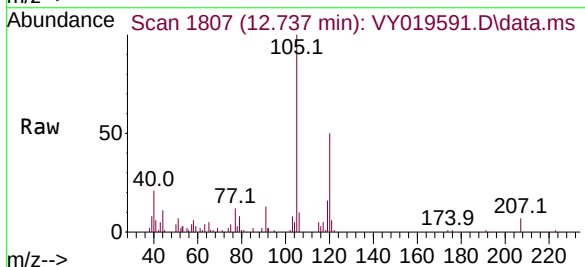
Acq: 17 Sep 2024 17:22

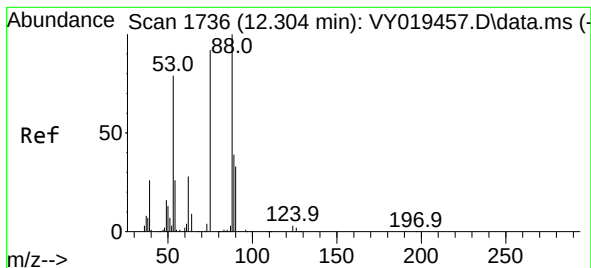
Tgt Ion: 105 Resp: 11130

Ion Ratio Lower Upper

105 100

120 46.0 25.1 75.2

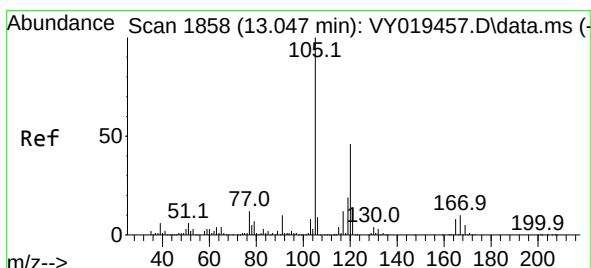
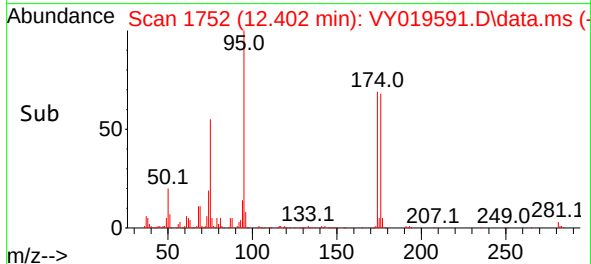
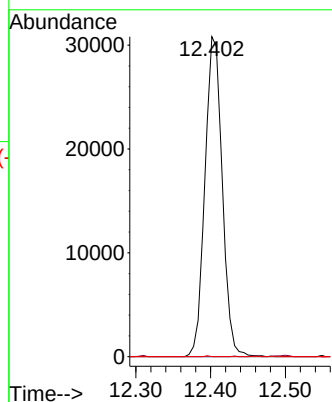
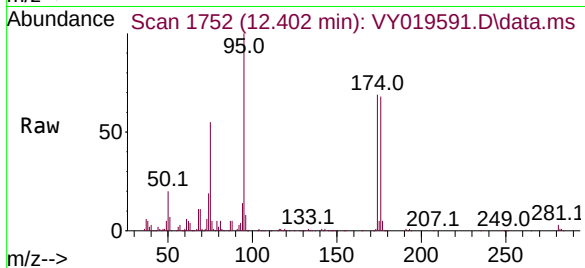




#81
trans-1,4-Dichloro-2-butene
Concen: 136.673 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

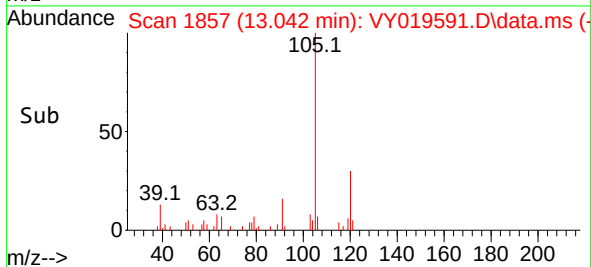
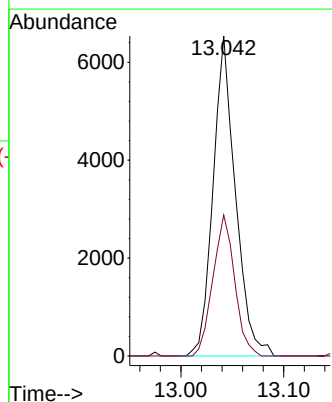
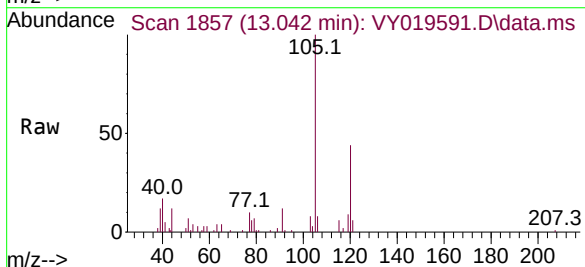
Instrument :
MSVOA_Y
ClientSampleId :

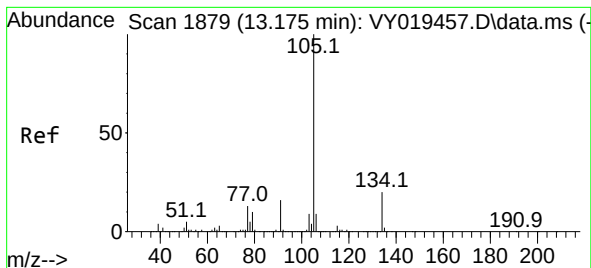
Tgt Ion: 75 Resp: 49696
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.267 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019591.D
Acq: 17 Sep 2024 17:22

Tgt Ion: 105 Resp: 9858
Ion Ratio Lower Upper
105 100
120 42.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.707 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.134 min

Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

Instrument :

MSVOA_Y

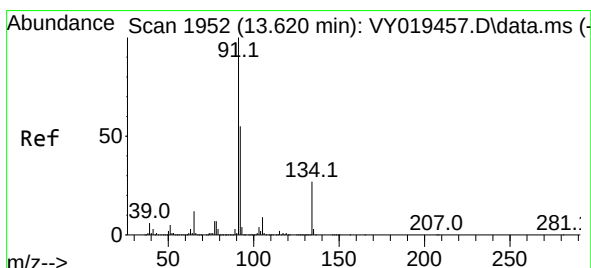
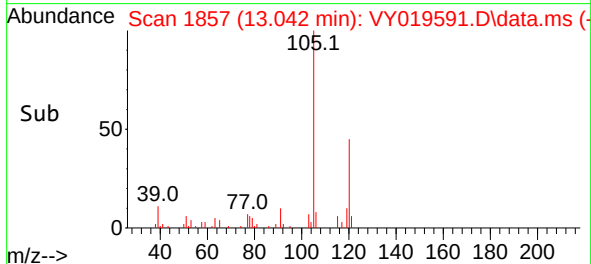
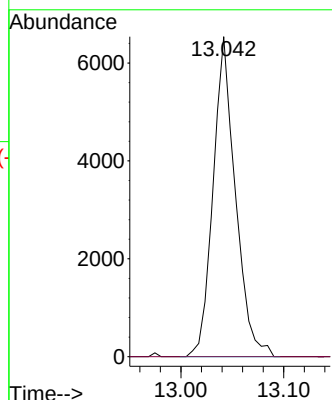
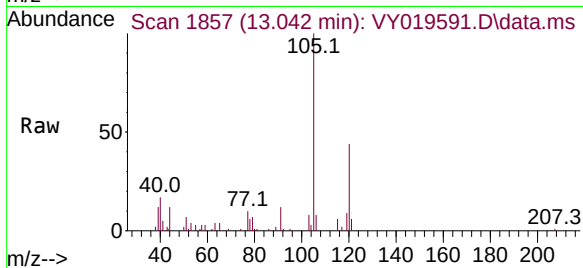
ClientSampleId :

Tgt Ion:105 Resp: 9858

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#89

n-Butylbenzene

Concen: 1.044 ug/l

RT: 13.548 min Scan# 1940

Delta R.T. -0.073 min

Lab File: VY019591.D

Acq: 17 Sep 2024 17:22

Tgt Ion: 91 Resp: 4717

Ion Ratio Lower Upper

91 100

92 11.1 26.6 79.7#

134 0.0 12.9 38.7#

