

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091624\
 Data File : VY019565.D
 Acq On : 16 Sep 2024 14:42
 Operator : SY/MD
 Sample : P3985-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOILB
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 17 02:14:28 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)

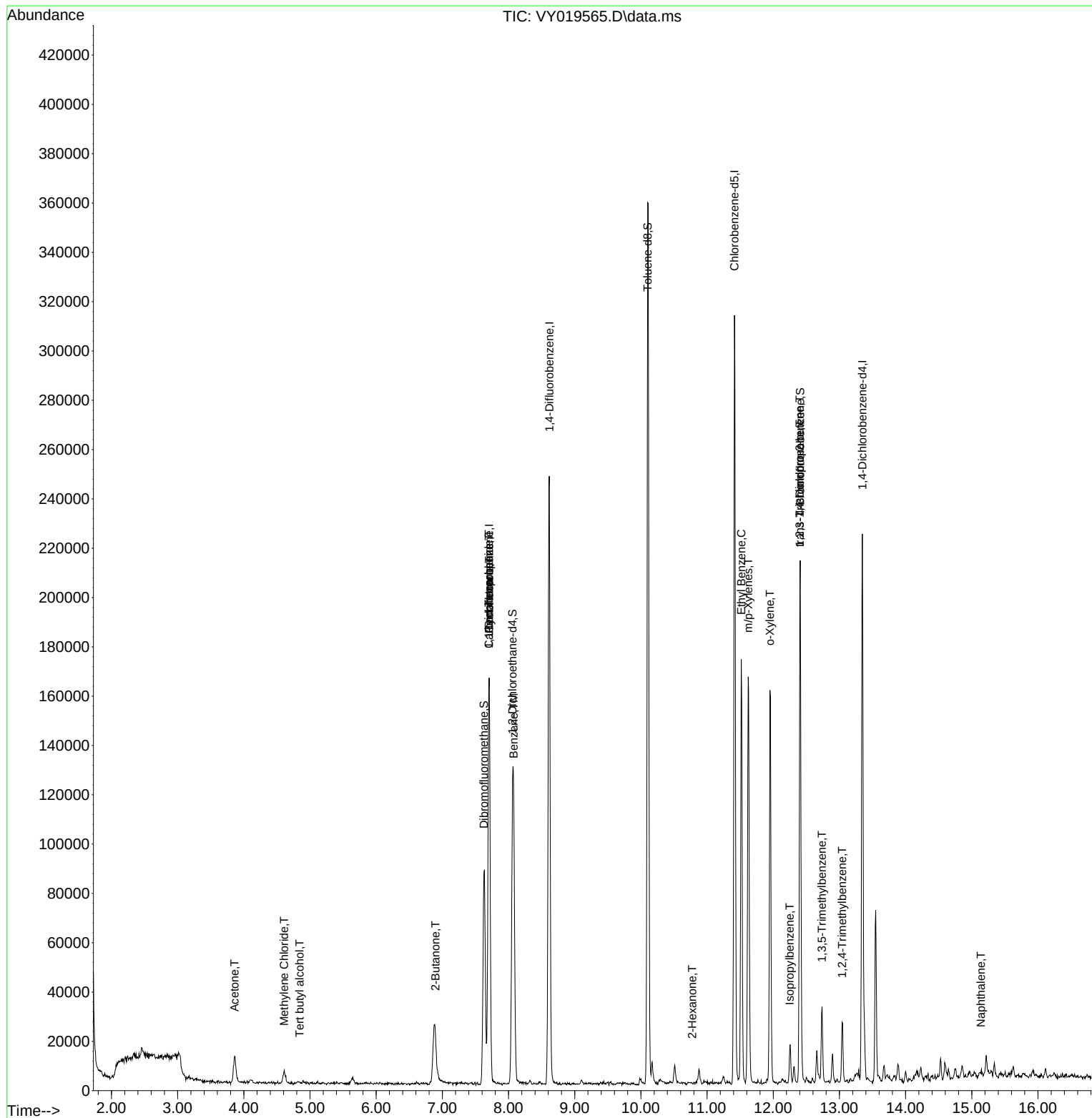
Internal Standards						
1) Pentafluorobenzene	7.707	168	124239	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	210196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	161441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	62506	54.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.660%	
35) Dibromofluoromethane	7.628	113	63884	53.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.200%	
50) Toluene-d8	10.103	98	238267	54.052	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.100%	
62) 4-Bromofluorobenzene	12.408	95	66021	38.952	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 77.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	127	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	437	4.704	ug/l #	97
13) Acrolein	3.647	56	302	Below Cal		96
16) Acetone	3.860	43	19113	69.737	ug/l	92
20) Methylene Chloride	4.610	84	3199	2.559	ug/l #	79
25) 2-Butanone	6.896	43	7916	20.308	ug/l	91
31) Cyclohexane	7.707	56	3249	1.578	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	10477	6.461	ug/l #	49
38) Carbon Tetrachloride	7.701	117	13752	7.520	ug/l #	16
40) Benzene	8.079	78	81988	16.415	ug/l	97
59) 2-Hexanone	10.774	43	697	1.083	ug/l #	19
67) Ethyl Benzene	11.517	91	116987	20.733	ug/l	98
68) m/p-Xylenes	11.621	106	49209	23.064	ug/l	98
69) o-Xylene	11.950	106	41272	19.780	ug/l	93
73) Isopropylbenzene	12.249	105	8740	2.269	ug/l	97
76) 1,2,3-Trichloropropane	12.401	75	36405	73.141	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	13556	4.328	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.401	75	36405	140.409	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	13383	4.317	ug/l	94
95) Naphthalene	15.139	128	2040	1.130	ug/l #	94

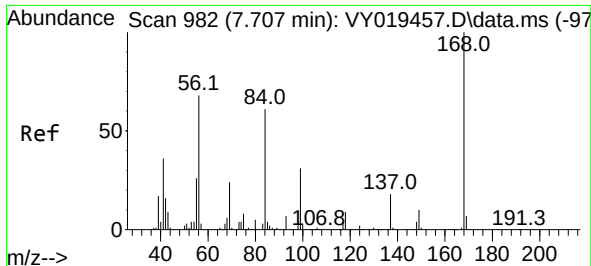
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 02:14:28 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

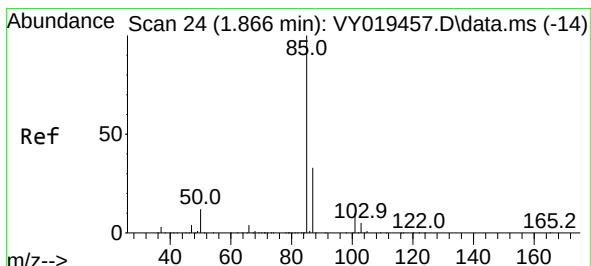
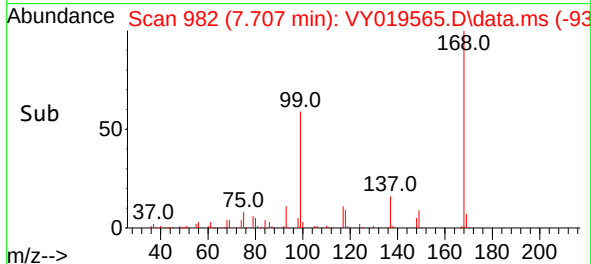
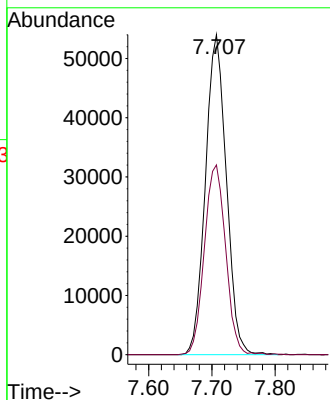
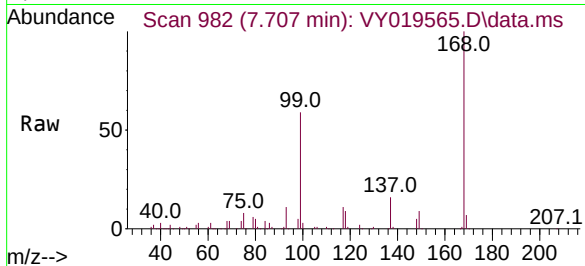




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

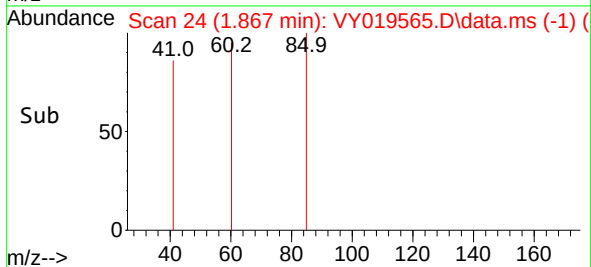
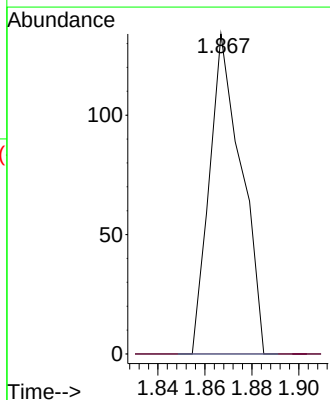
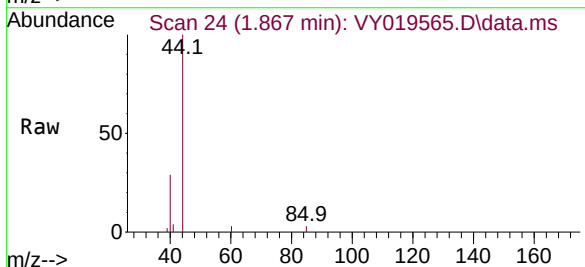
Instrument :
MSVOA_Y
ClientSampleId :

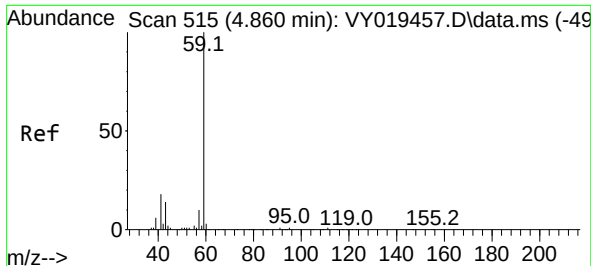
Tgt Ion:168 Resp: 124239
Ion Ratio Lower Upper
168 100
99 59.3 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion: 85 Resp: 127
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 4.704 ug/l

RT: 4.842 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY019565.D

Acq: 16 Sep 2024 14:42

Instrument :

MSVOA_Y

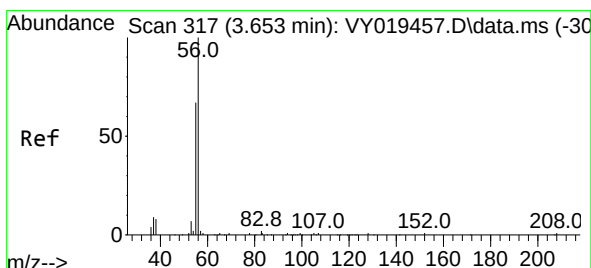
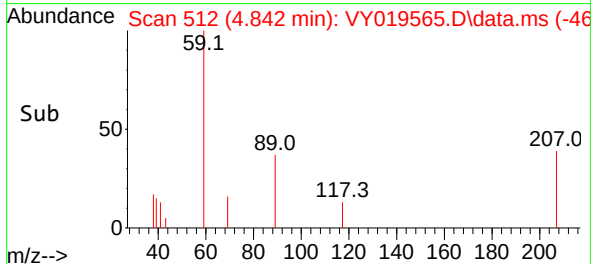
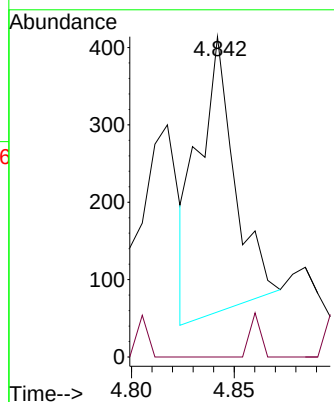
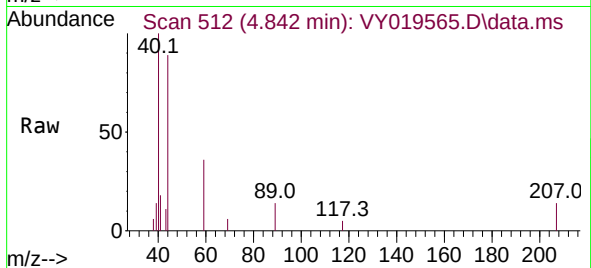
ClientSampleId :

Tgt Ion: 59 Resp: 437

Ion Ratio Lower Upper

59 100

57 4.8 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.647 min Scan# 316

Delta R.T. -0.006 min

Lab File: VY019565.D

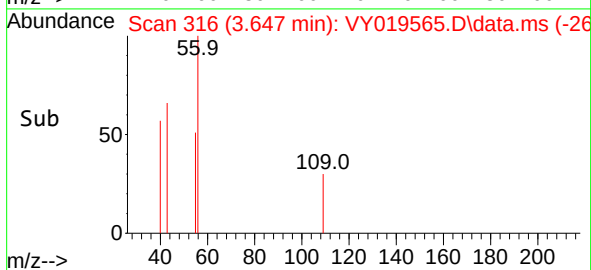
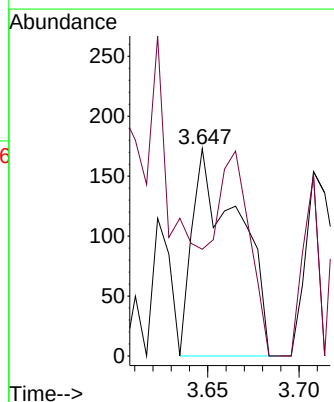
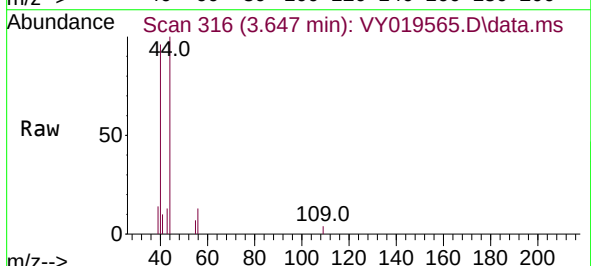
Acq: 16 Sep 2024 14:42

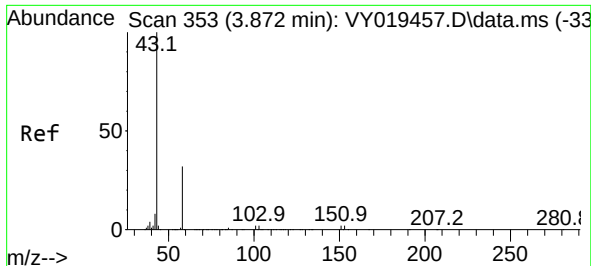
Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 72.8 55.7 83.5

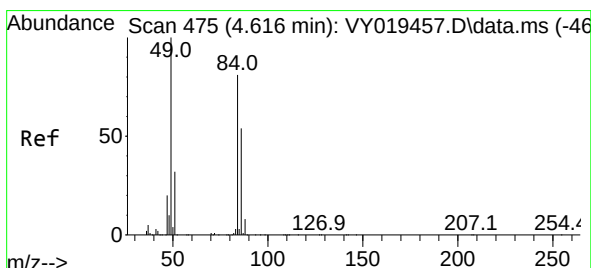
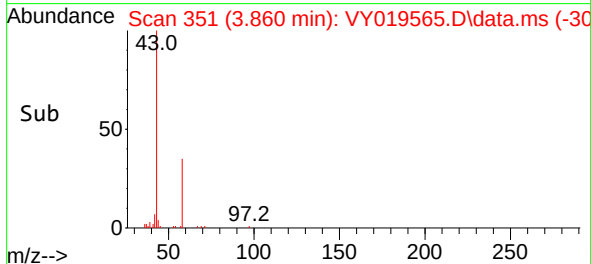
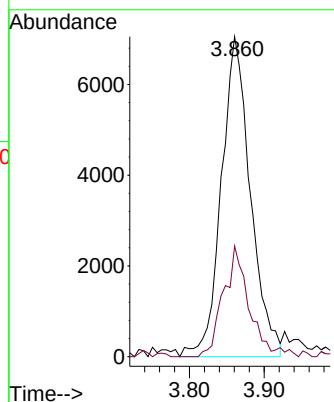
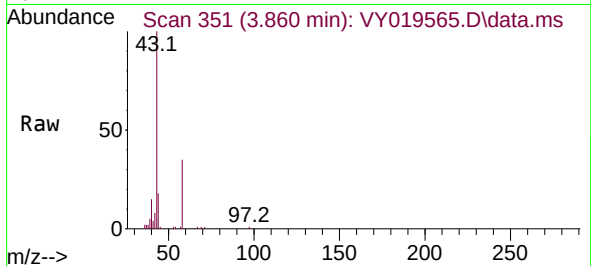




#16
Acetone
Concen: 69.737 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

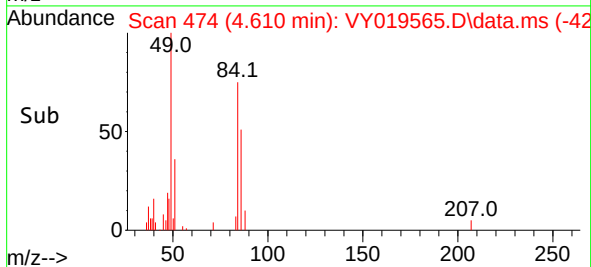
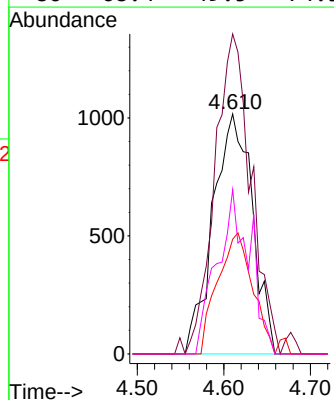
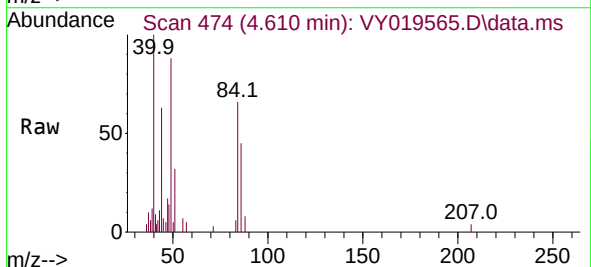
Instrument :
MSVOA_Y
ClientSampleId :

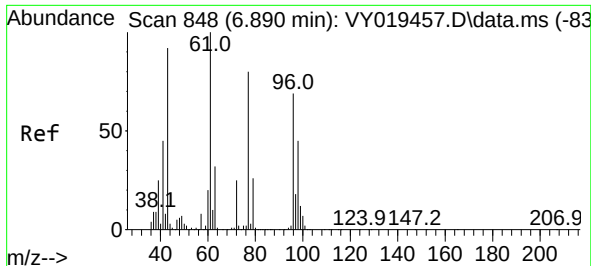
Tgt Ion: 43 Resp: 19113
Ion Ratio Lower Upper
43 100
58 34.6 31.7 47.5



#20
Methylene Chloride
Concen: 2.559 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

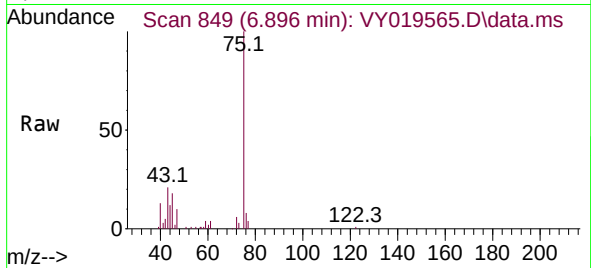
Tgt Ion: 84 Resp: 3199
Ion Ratio Lower Upper
84 100
49 133.3 84.4 126.6#
51 47.8 26.0 39.0#
86 68.4 49.5 74.3



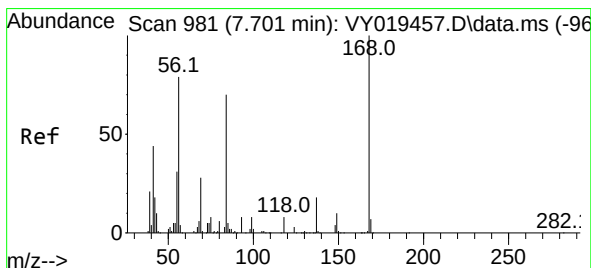
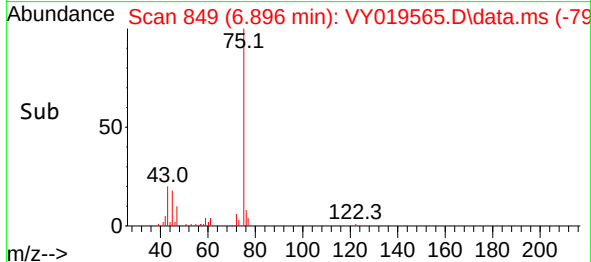
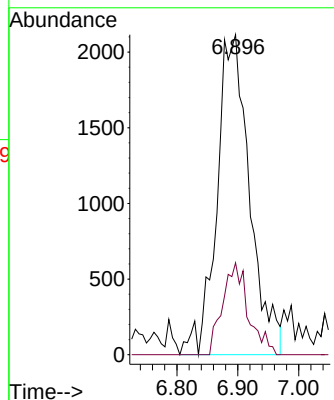


#25
2-Butanone
Concen: 20.308 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Instrument :
MSVOA_Y
ClientSampleId :

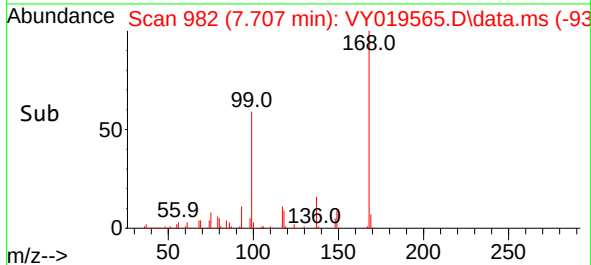
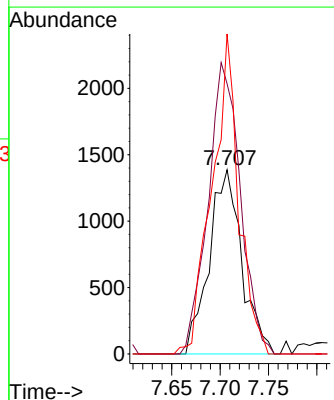
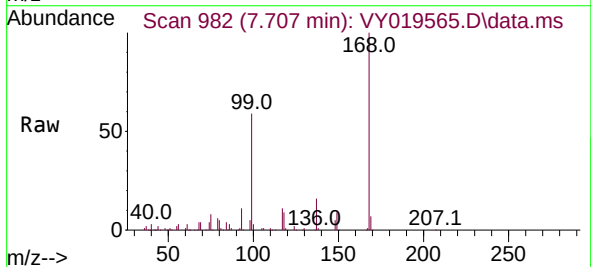


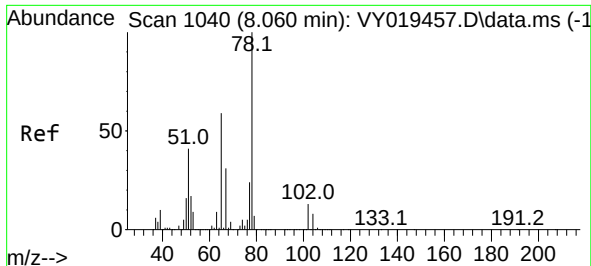
Tgt Ion: 43 Resp: 7916
Ion Ratio Lower Upper
43 100
72 28.7 27.3 40.9



#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion: 56 Resp: 3249
Ion Ratio Lower Upper
56 100
69 146.7 28.7 43.1#
84 173.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.333 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019565.D

Acq: 16 Sep 2024 14:42

Instrument :

MSVOA_Y

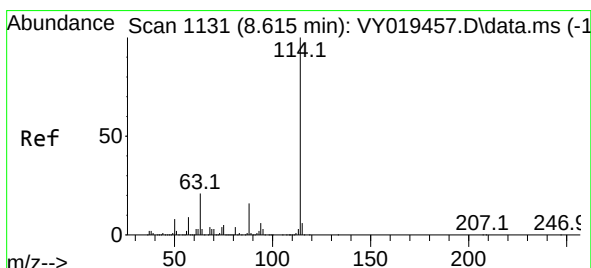
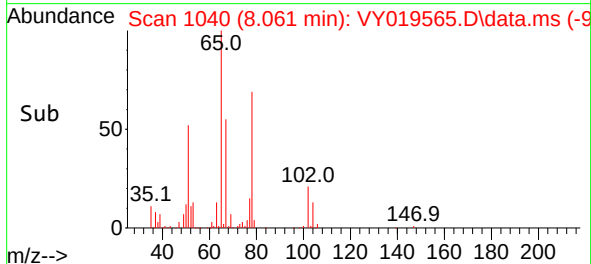
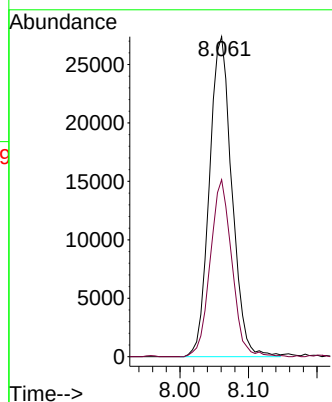
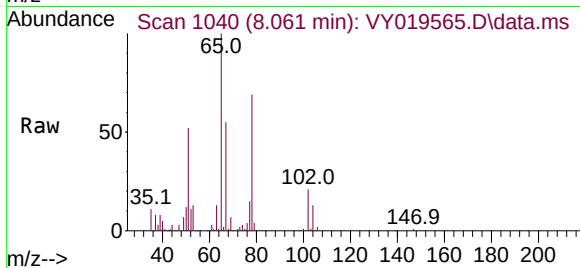
ClientSampleId :

Tgt Ion: 65 Resp: 62506

Ion Ratio Lower Upper

65 100

67 53.2 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: VY019565.D

Acq: 16 Sep 2024 14:42

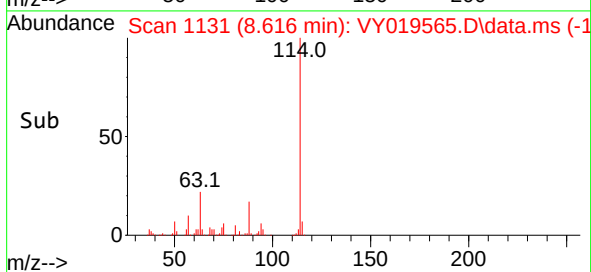
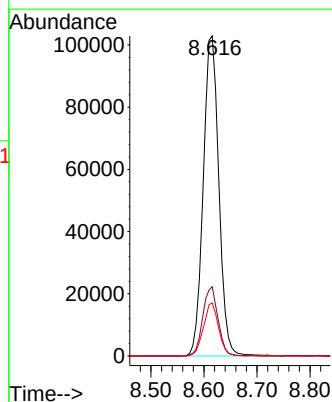
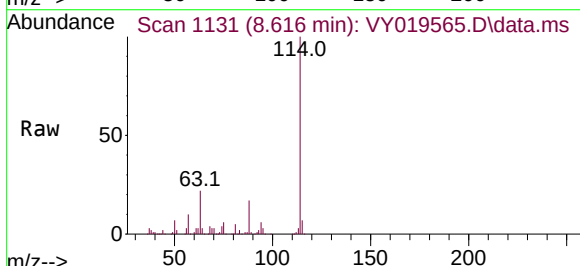
Tgt Ion: 114 Resp: 210196

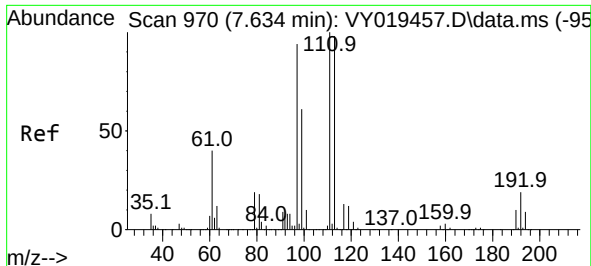
Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.0

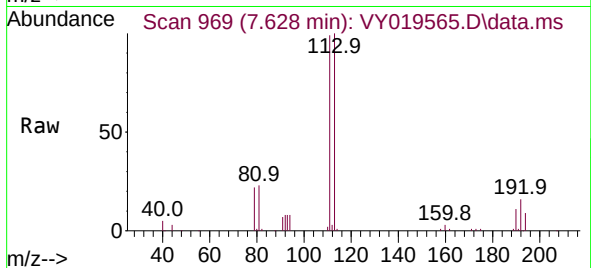
88 16.6 0.0 27.2





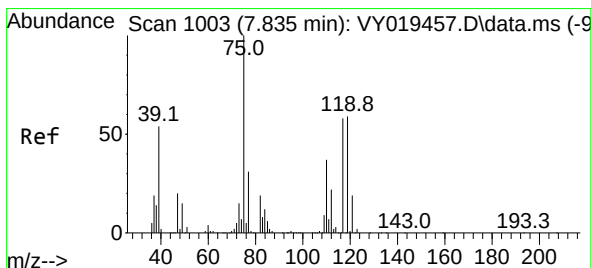
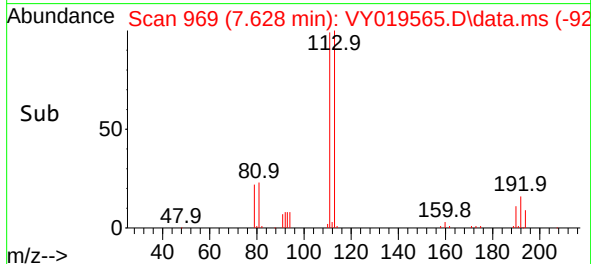
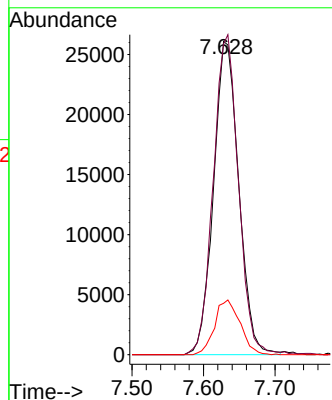
#35
Dibromofluoromethane
Concen: 53.604 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:113 Resp: 63884

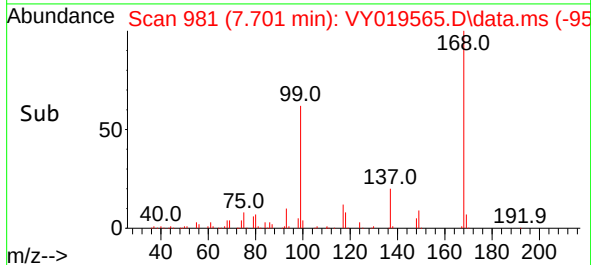
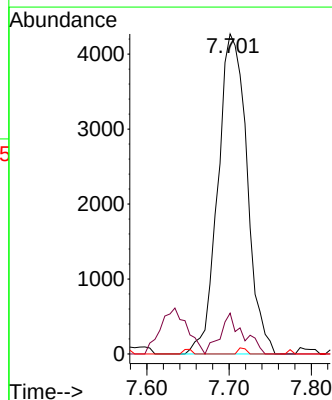
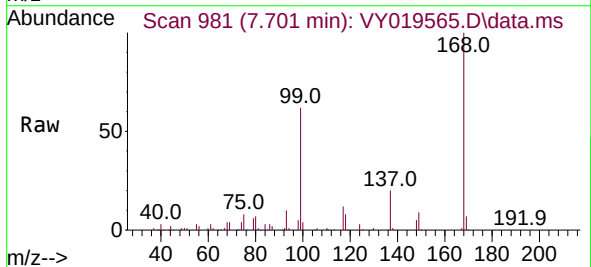
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	17.7	15.9	23.9

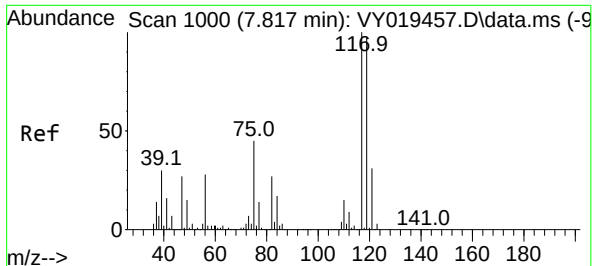


#36
1,1-Dichloropropene
Concen: 6.461 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion: 75 Resp: 10477

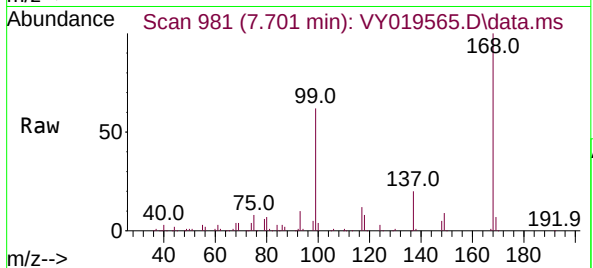
Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.0	57.0#
77	0.0	25.3	37.9#



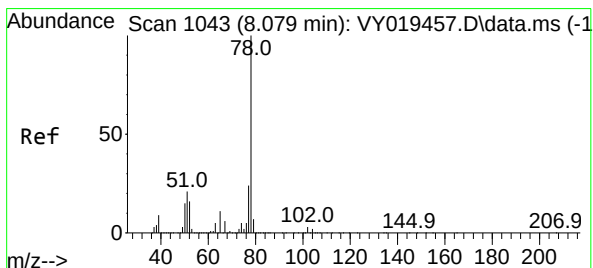
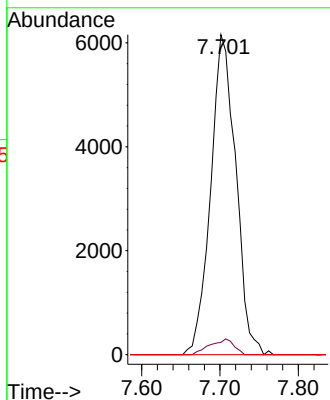
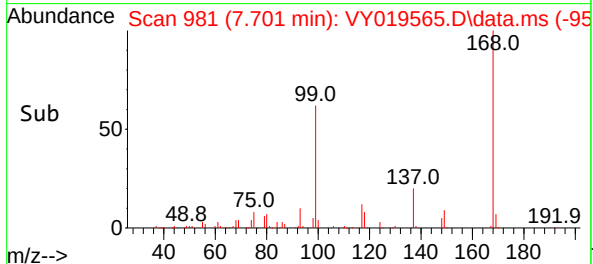


#38
Carbon Tetrachloride
Concen: 7.520 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Instrument :
MSVOA_Y
ClientSampleId :

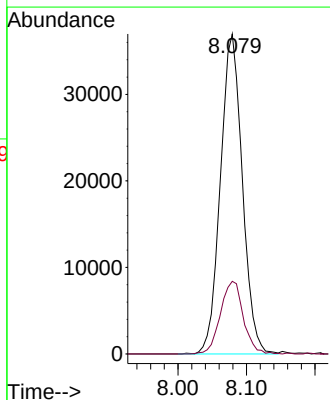
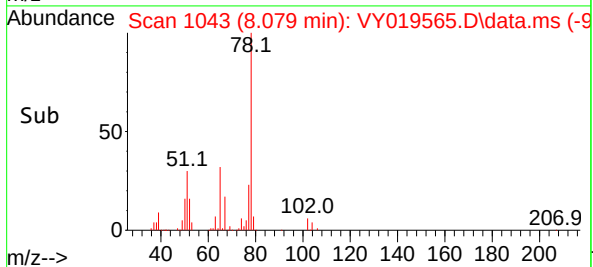
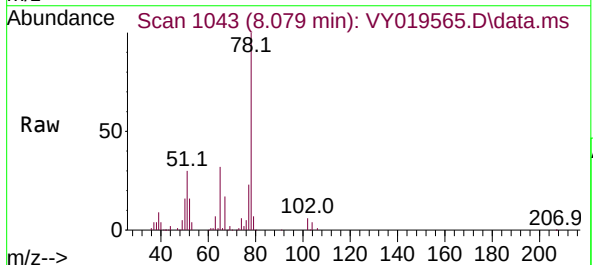


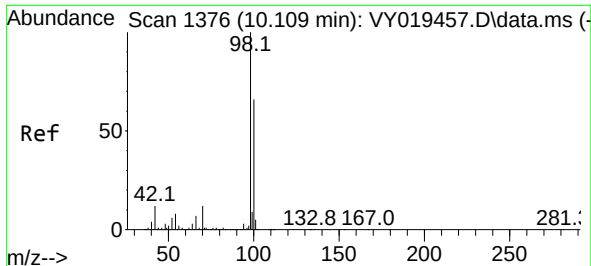
Tgt Ion:117 Resp: 13752
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.6#
121 0.0 24.0 36.0#



#40
Benzene
Concen: 16.415 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion: 78 Resp: 81988
Ion Ratio Lower Upper
78 100
77 22.7 19.5 29.3

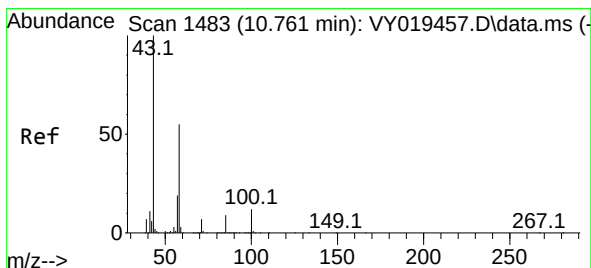
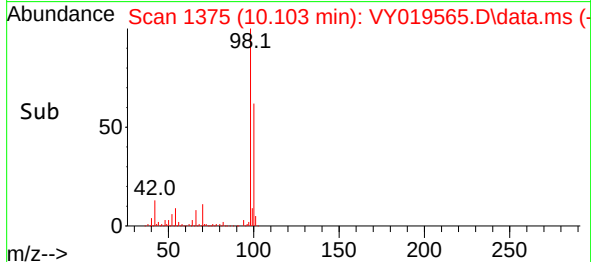
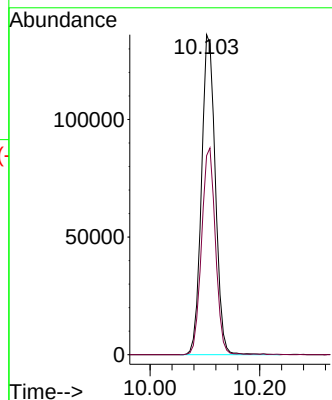
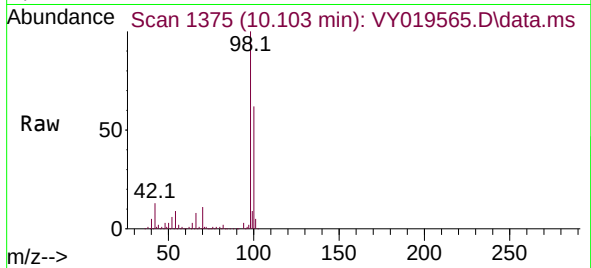




#50
Toluene-d8
Concen: 54.052 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

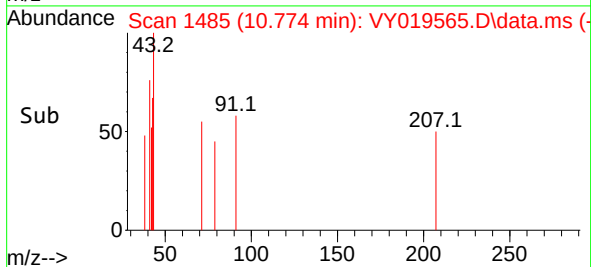
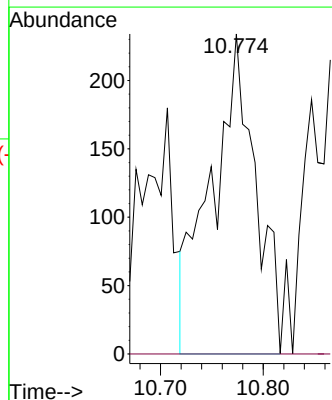
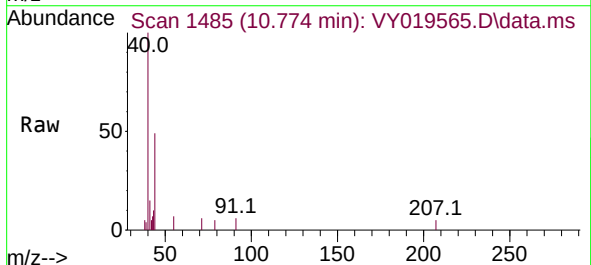
Instrument :
MSVOA_Y
ClientSampleId :

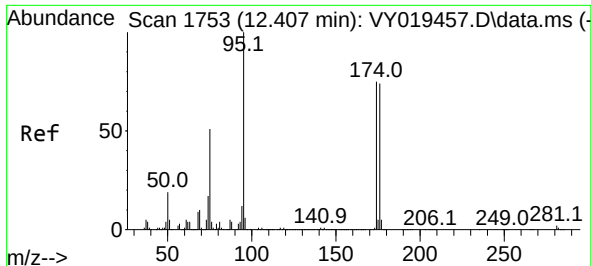
Tgt Ion: 98 Resp: 238267
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#59
2-Hexanone
Concen: 1.083 ug/l
RT: 10.774 min Scan# 1485
Delta R.T. 0.013 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

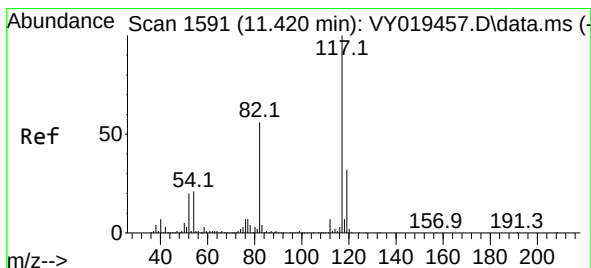
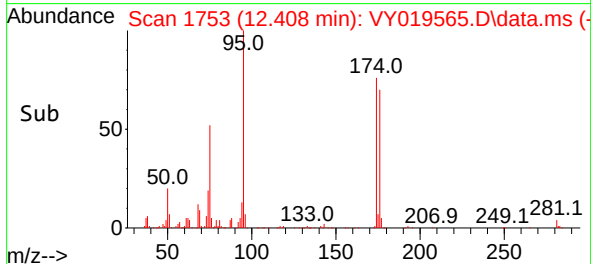
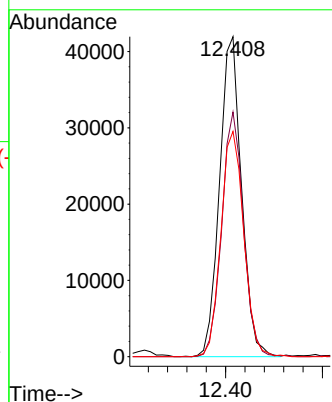
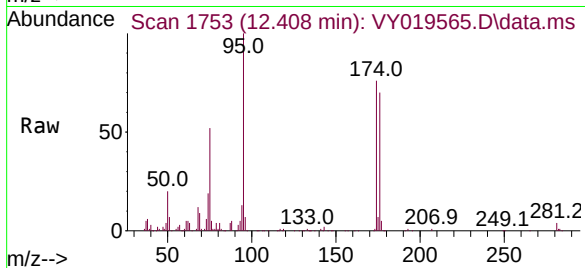




#62
4-Bromofluorobenzene
Concen: 38.952 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

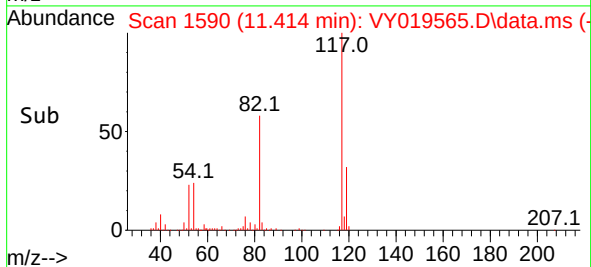
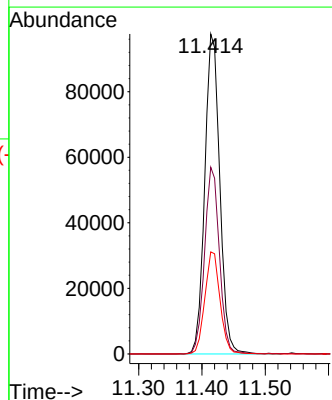
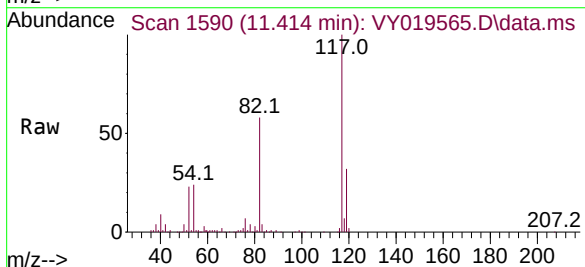
Instrument :
MSVOA_Y
ClientSampleId :

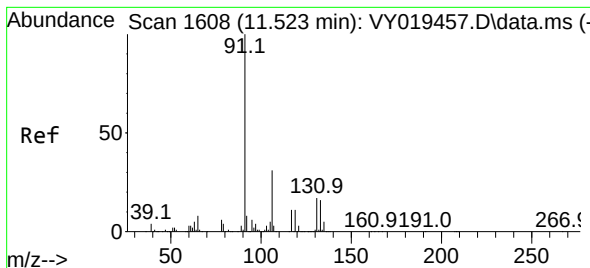
Tgt Ion: 95 Resp: 66021
Ion Ratio Lower Upper
95 100
174 75.2 0.0 175.6
176 73.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion: 117 Resp: 161441
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.9 38.9





#67

Ethyl Benzene

Concen: 20.733 ug/l

RT: 11.517 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019565.D

Acq: 16 Sep 2024 14:42

Instrument :

MSVOA_Y

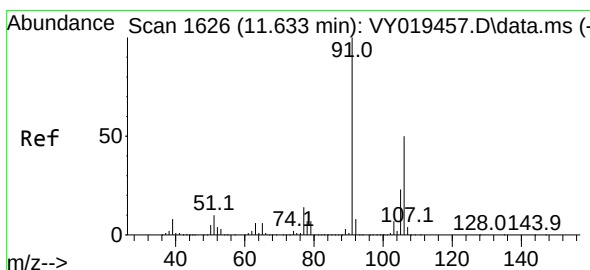
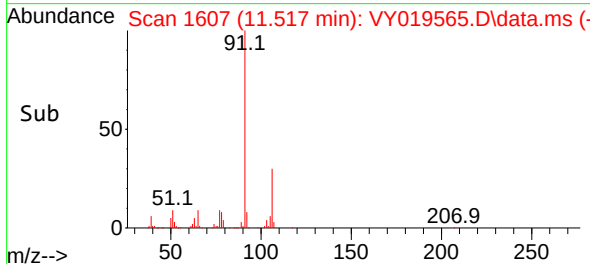
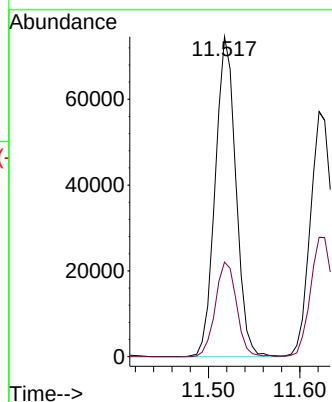
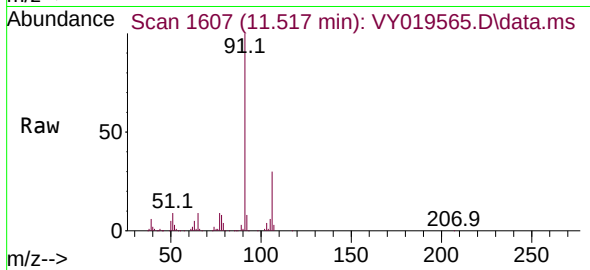
ClientSampleId :

Tgt Ion: 91 Resp: 116987

Ion Ratio Lower Upper

91 100

106 29.5 24.5 36.7



#68

m/p-Xylenes

Concen: 23.064 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY019565.D

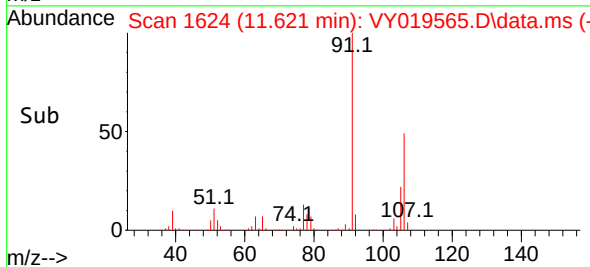
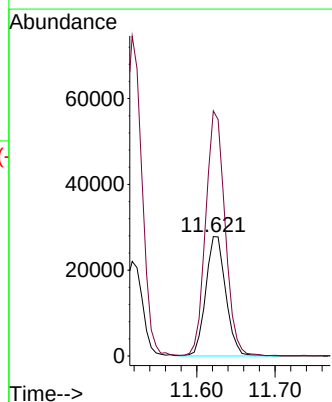
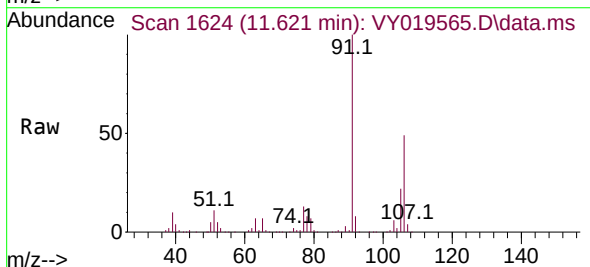
Acq: 16 Sep 2024 14:42

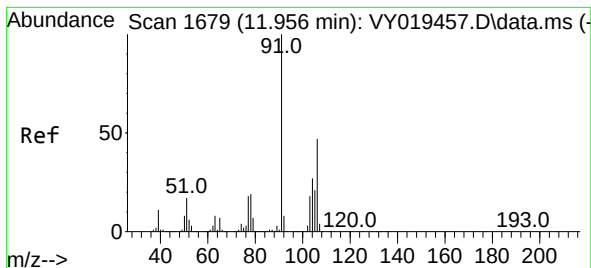
Tgt Ion:106 Resp: 49209

Ion Ratio Lower Upper

106 100

91 198.7 156.0 234.0





#69

o-Xylene

Concen: 19.780 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019565.D

Acq: 16 Sep 2024 14:42

Instrument :

MSVOA_Y

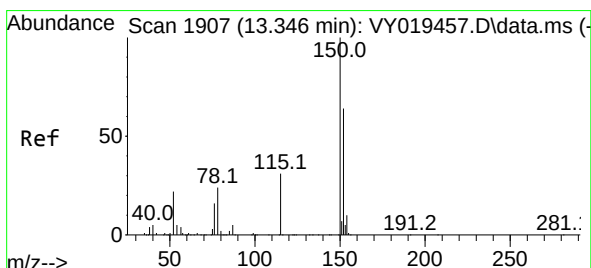
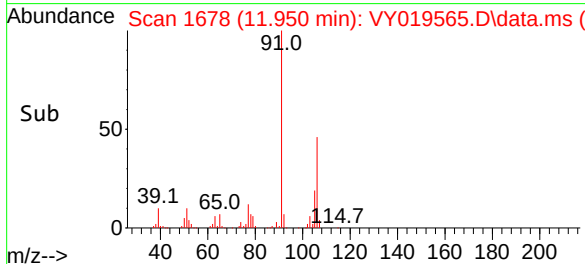
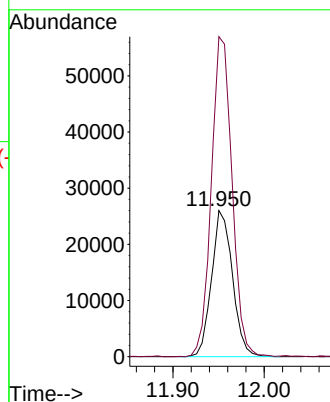
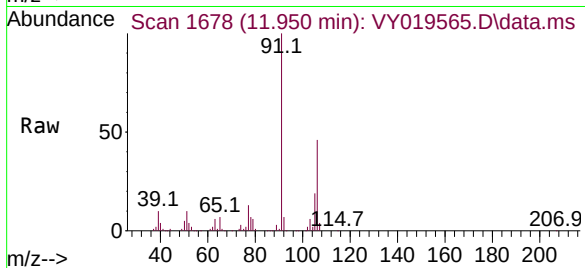
ClientSampleId :

Tgt Ion:106 Resp: 41272

Ion Ratio Lower Upper

106 100

91 217.4 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019565.D

Acq: 16 Sep 2024 14:42

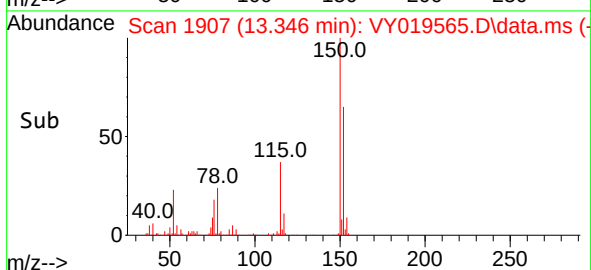
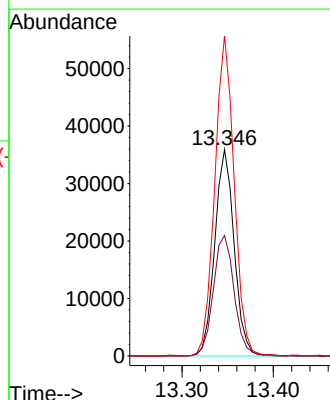
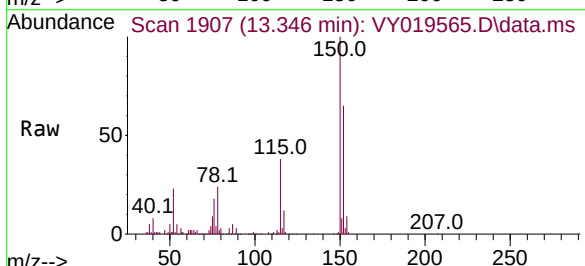
Tgt Ion:152 Resp: 53104

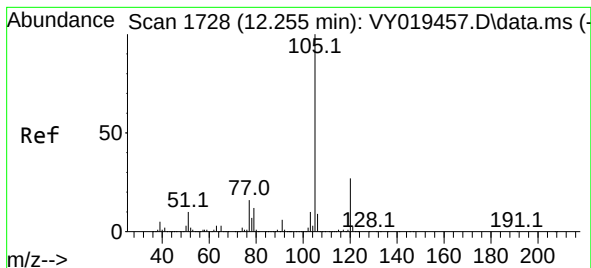
Ion Ratio Lower Upper

152 100

115 63.0 28.2 84.7

150 155.4 0.0 345.6





#73

Isopropylbenzene

Concen: 2.269 ug/l

RT: 12.249 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019565.D

Acq: 16 Sep 2024 14:42

Instrument :

MSVOA_Y

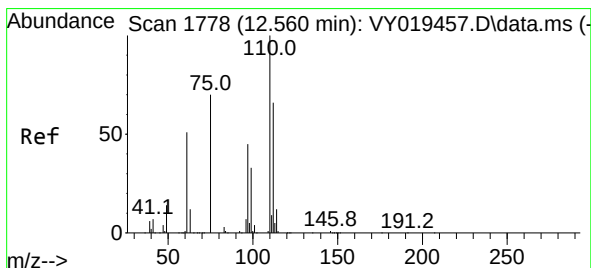
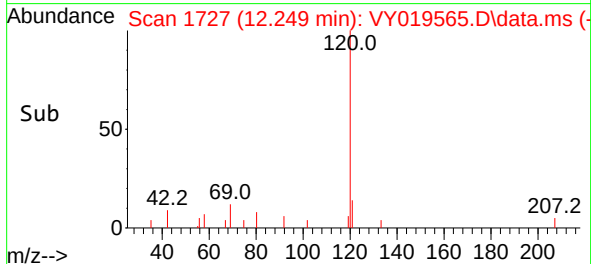
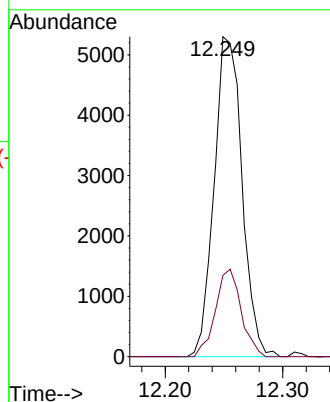
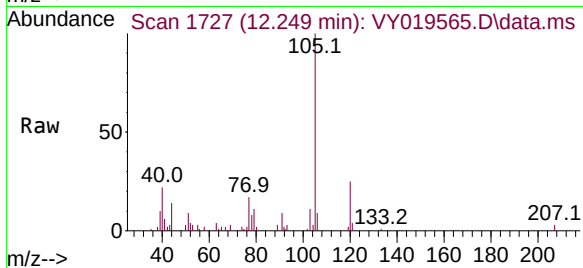
ClientSampleId :

Tgt Ion:105 Resp: 8740

Ion Ratio Lower Upper

105 100

120 25.3 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 73.141 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019565.D

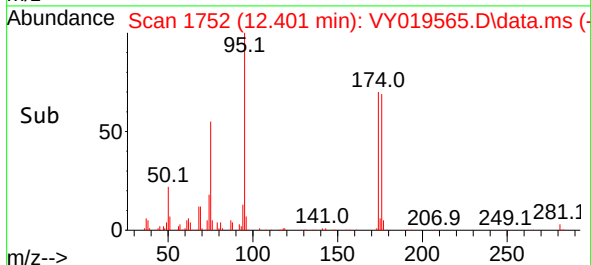
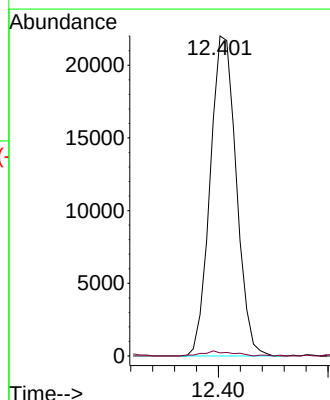
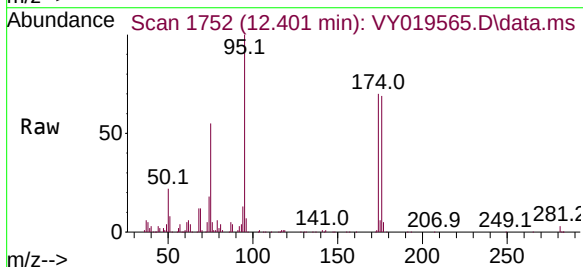
Acq: 16 Sep 2024 14:42

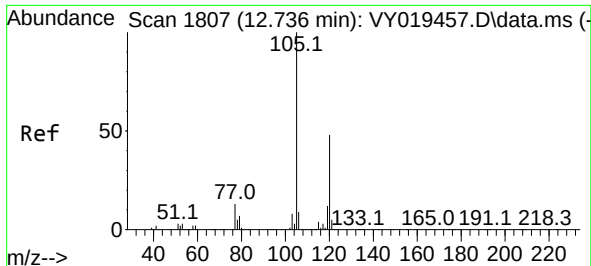
Tgt Ion: 75 Resp: 36405

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

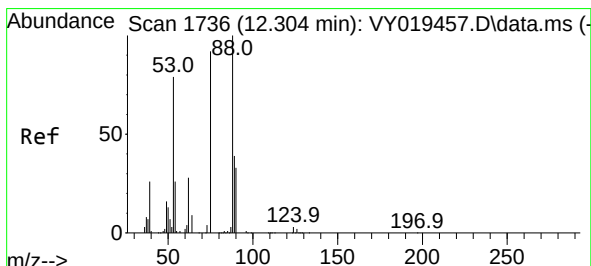
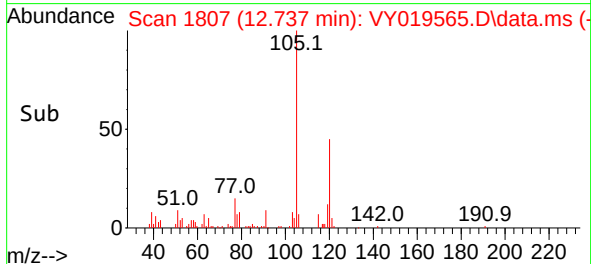
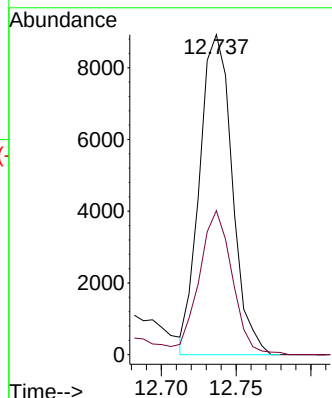
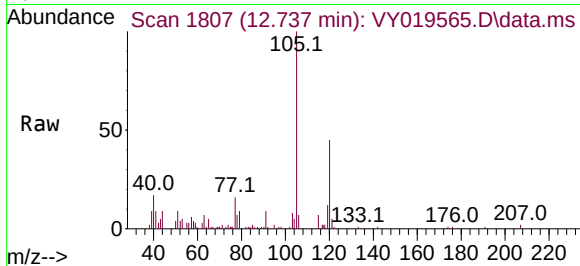




#80
 1,3,5-Trimethylbenzene
 Concen: 4.328 ug/l
 RT: 12.737 min Scan# 1752
 Delta R.T. 0.000 min
 Lab File: VY019565.D
 Acq: 16 Sep 2024 14:42

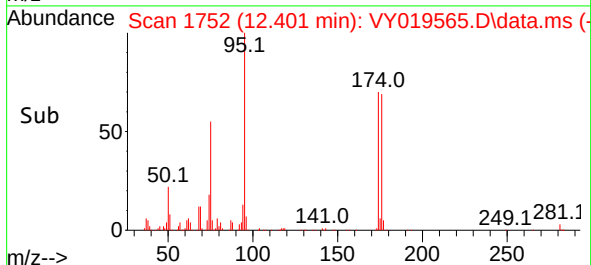
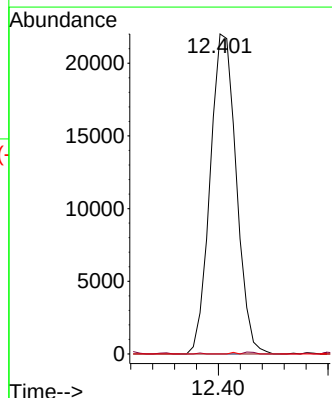
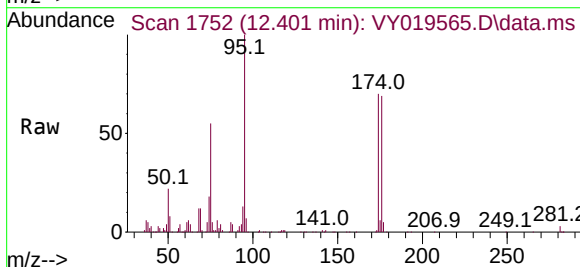
Instrument :
 MSVOA_Y
 ClientSampleId :

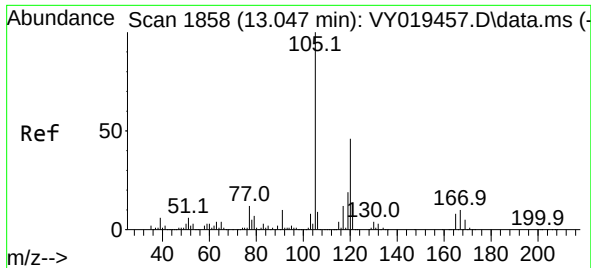
Tgt Ion:105 Resp: 13556
 Ion Ratio Lower Upper
 105 100
 120 45.8 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.409 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY019565.D
 Acq: 16 Sep 2024 14:42

Tgt Ion: 75 Resp: 36405
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.1 35.8 53.6#

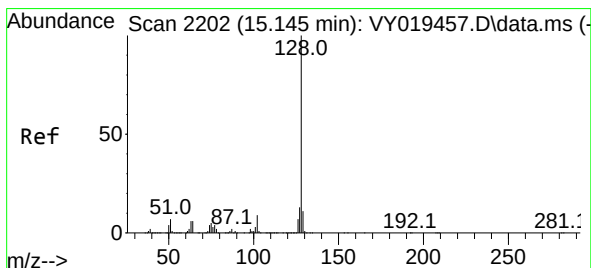
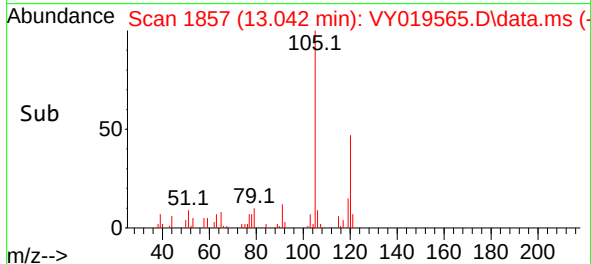
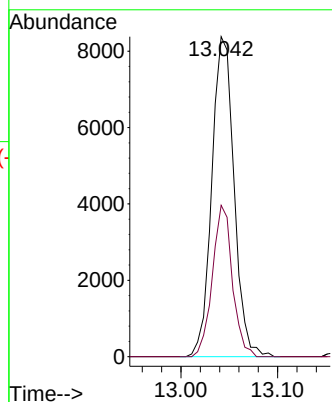
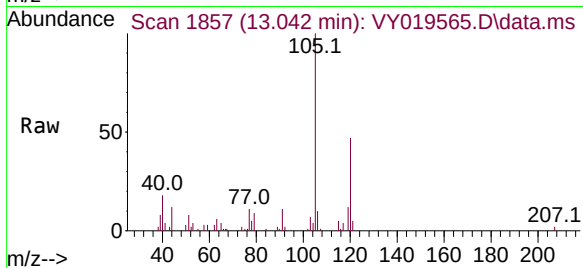




#84
1,2,4-Trimethylbenzene
Concen: 4.317 ug/l
RT: 13.042 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 13383
Ion Ratio Lower Upper
105 100
120 42.5 23.2 69.6



#95
Naphthalene
Concen: 1.130 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY019565.D
Acq: 16 Sep 2024 14:42

Tgt Ion:128 Resp: 2040
Ion Ratio Lower Upper
128 100
127 11.9 10.6 16.0
129 7.4 8.6 13.0#

