

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019648.D
 Acq On : 20 Sep 2024 16:10
 Operator : SY/MD
 Sample : P4103-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:51:19 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)

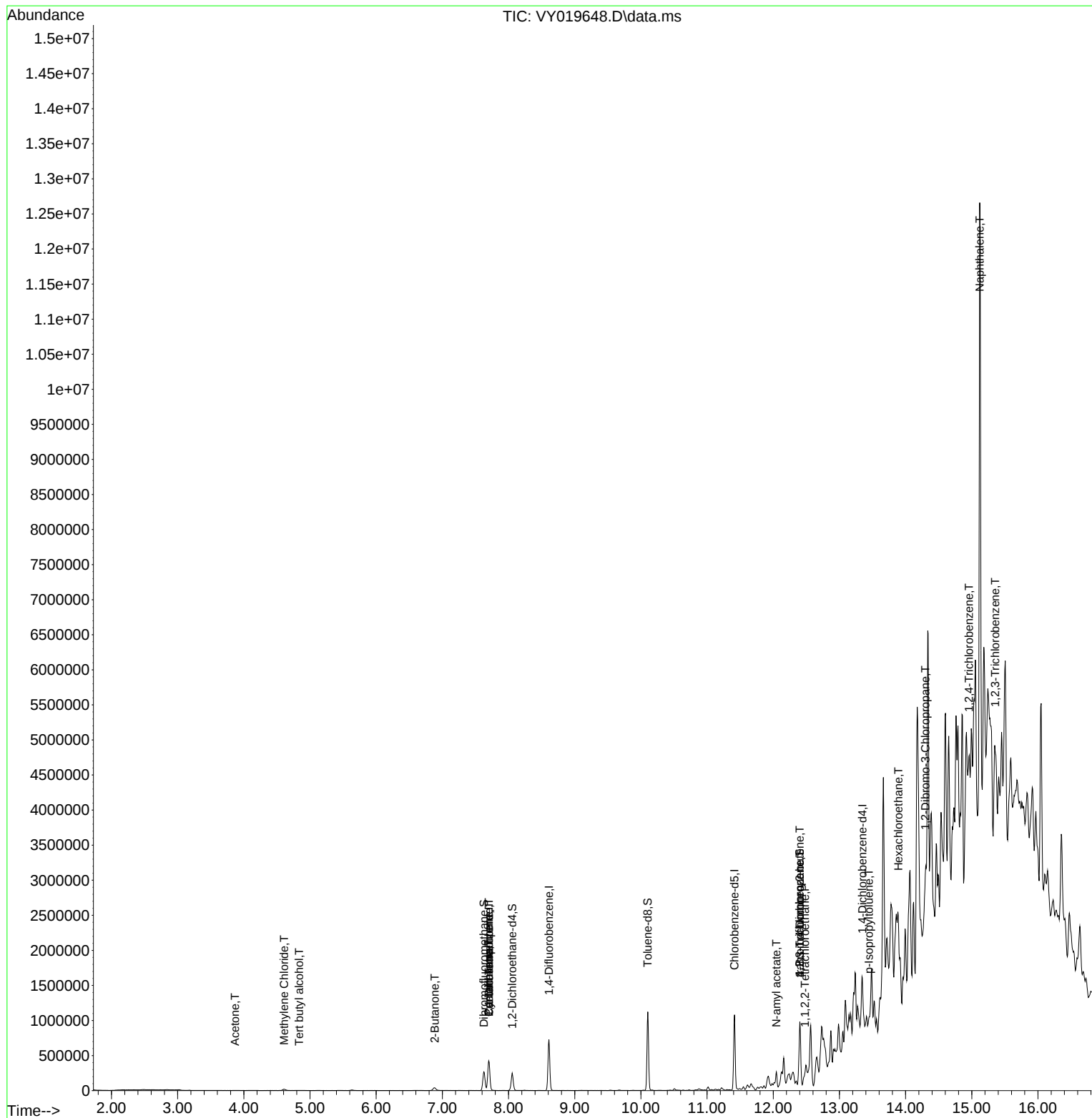
Internal Standards						
1) Pentafluorobenzene	7.701	168	310769	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	599913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	541746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	246861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	181564	63.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.180%	
35) Dibromofluoromethane	7.628	113	190857	56.111	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.220%	
50) Toluene-d8	10.103	98	704213	55.974	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.940%	
62) 4-Bromofluorobenzene	12.401	95	249204	51.515	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 103.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	55	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	1179	5.073	ug/l	# 80
13) Acrolein	3.659	56	70	Below Cal	#	31
16) Acetone	3.866	43	3282	4.787	ug/l	# 86
20) Methylene Chloride	4.610	84	12681	4.056	ug/l	95
25) 2-Butanone	6.884	43	3189	3.271	ug/l	# 65
31) Cyclohexane	7.701	56	7941	1.542	ug/l	# 14
36) 1,1-Dichloropropene	7.701	75	25978	5.613	ug/l	# 49
38) Carbon Tetrachloride	7.701	117	33755	6.467	ug/l	# 17
74) N-amyl acetate	12.048	43	55835	11.464	ug/l	# 42
75) 1,1,2,2-Tetrachloroethane	12.481	83	19710	6.201	ug/l	# 26
76) 1,2,3-Trichloropropane	12.401	75	128005	55.322	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	128005	106.203	ug/l	# 16
86) p-Isopropyltoluene	13.444	119	40044	2.556	ug/l	# 63
90) Hexachloroethane	13.889	117	15664	4.805	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.297	75	1436	2.711	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.956	180	24963	5.959	ug/l	# 1
95) Naphthalene	15.120	128	24116	2.875	ug/l	# 1
96) 1,2,3-Trichlorobenzene	15.352	180	24730	6.902	ug/l	# 12

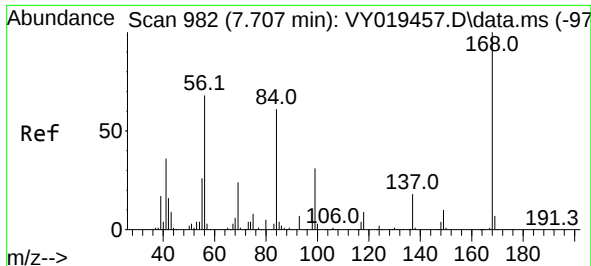
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

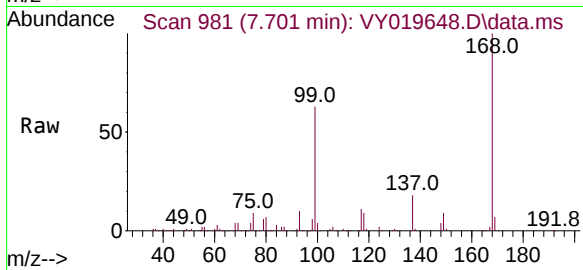
Quant Time: Sep 20 23:51:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



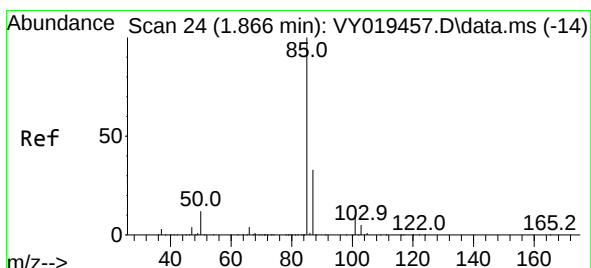
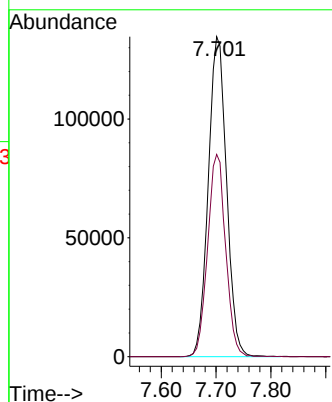
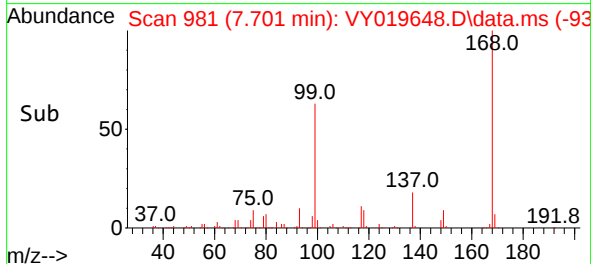


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

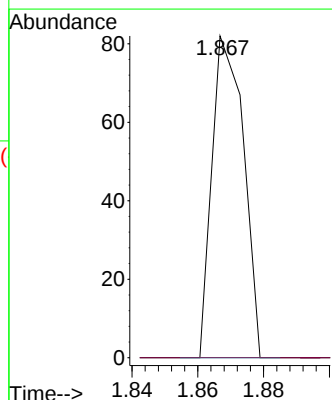
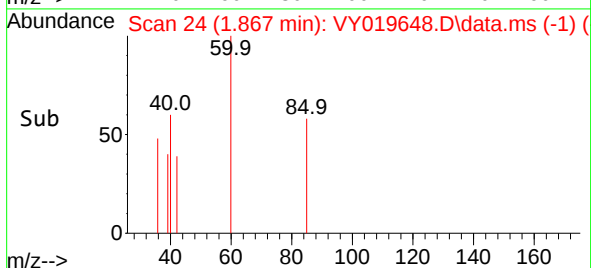
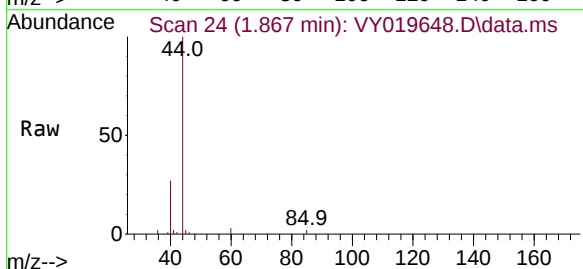


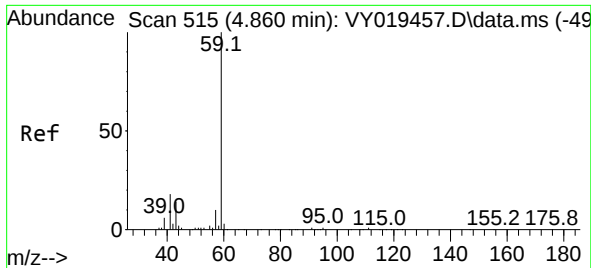
Tgt Ion:168 Resp: 310769
Ion Ratio Lower Upper
168 100
99 63.2 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

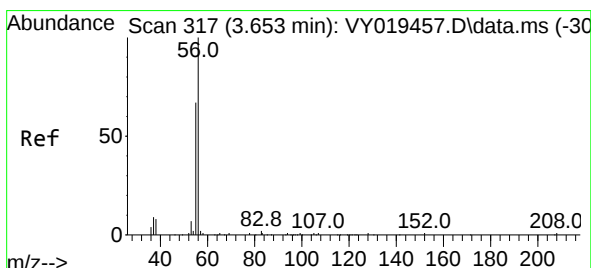
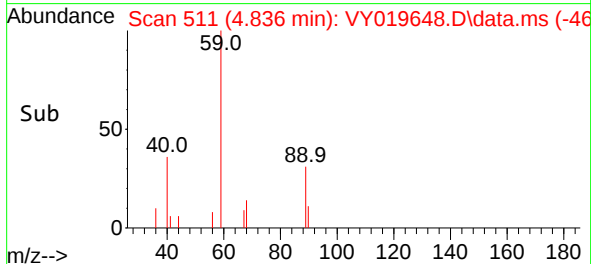
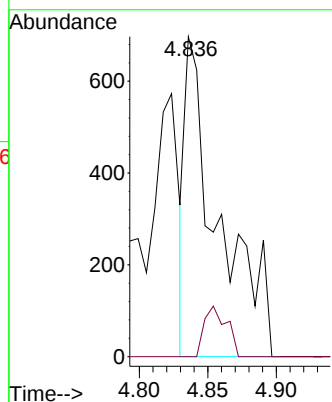
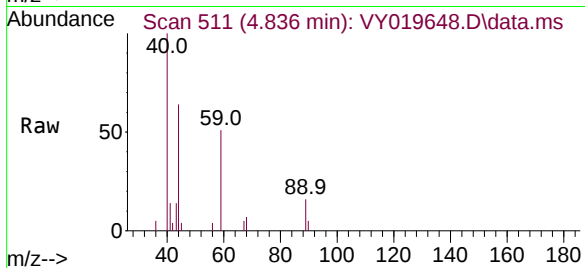




#11
Tert butyl alcohol
Concen: 5.073 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

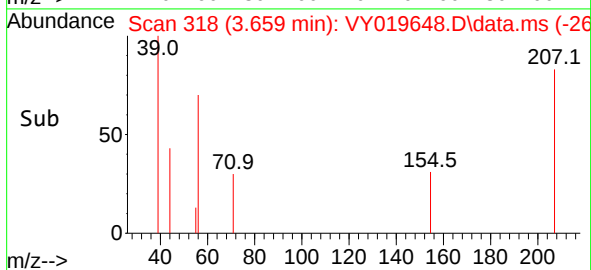
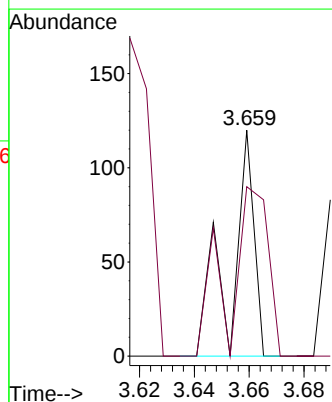
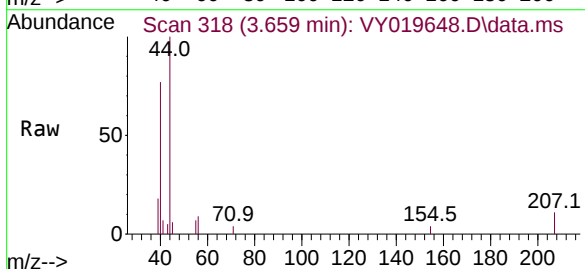
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 1179
Ion Ratio Lower Upper
59 100
57 10.5 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.659 min Scan# 318
Delta R.T. 0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 125.7 55.7 83.5#

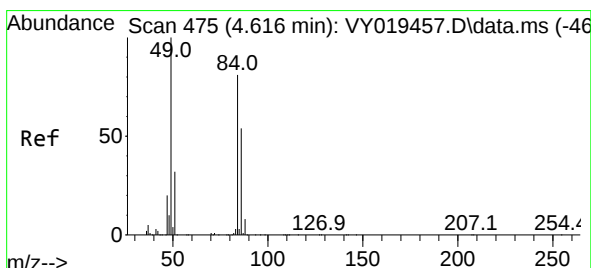
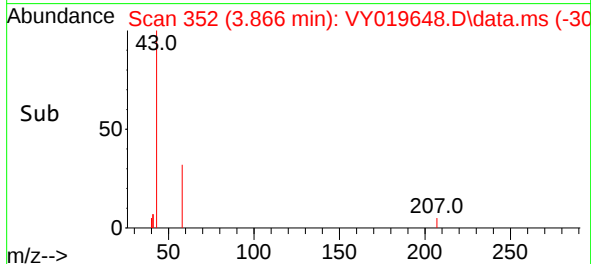
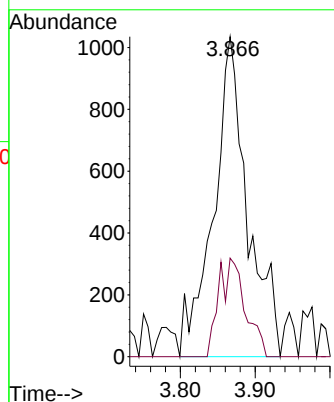
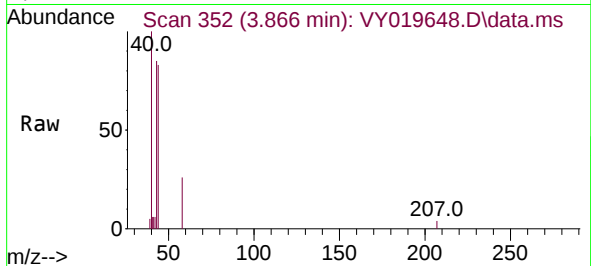




#16
Acetone
Concen: 4.787 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

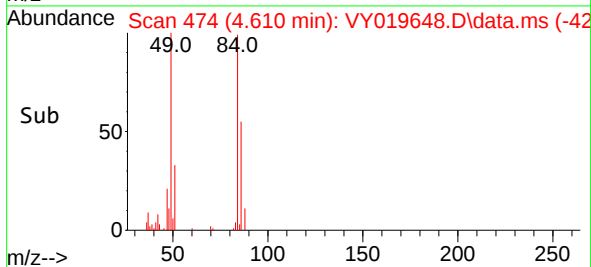
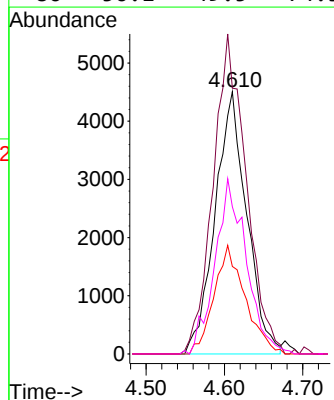
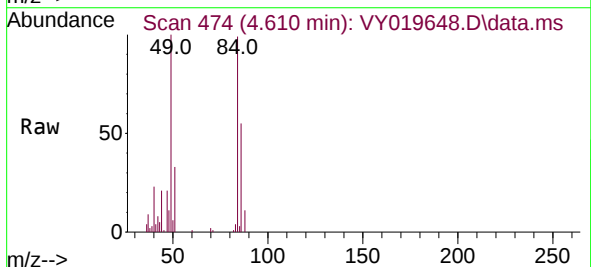
Instrument :
MSVOA_Y
ClientSampleId :

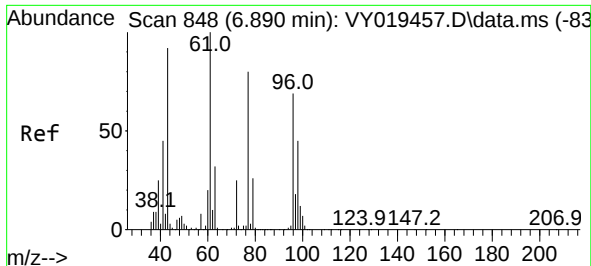
Tgt Ion: 43 Resp: 3282
Ion Ratio Lower Upper
43 100
58 30.8 31.7 47.5#



#20
Methylene Chloride
Concen: 4.056 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

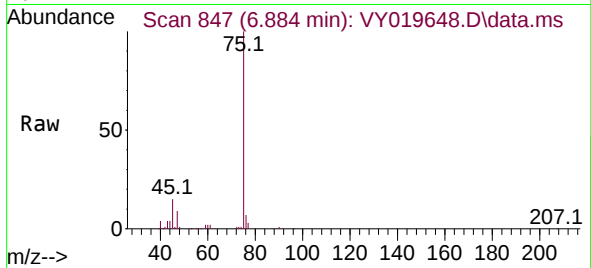
Tgt Ion: 84 Resp: 12681
Ion Ratio Lower Upper
84 100
49 101.4 84.4 126.6
51 33.4 26.0 39.0
86 56.1 49.5 74.3



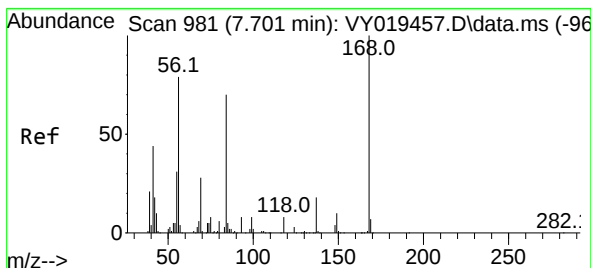
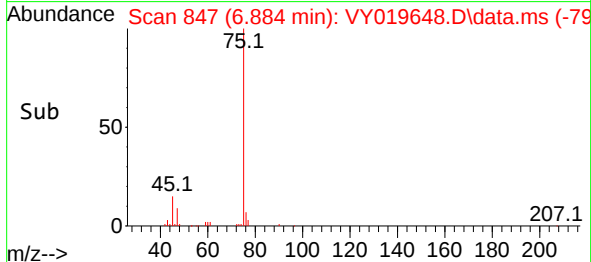
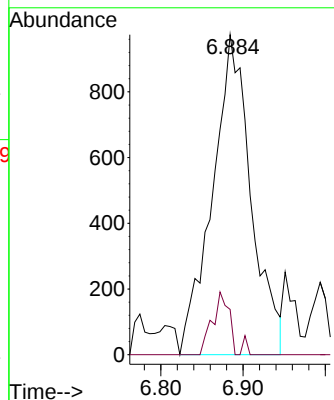


#25
2-Butanone
Concen: 3.271 ug/l
RT: 6.884 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

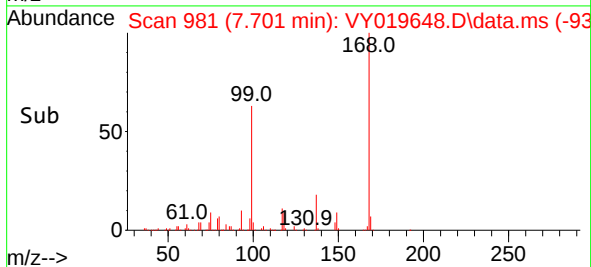
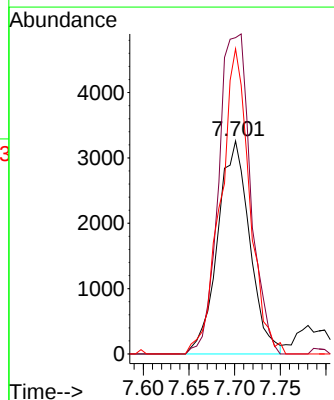
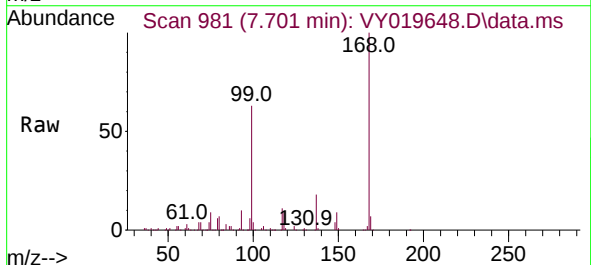


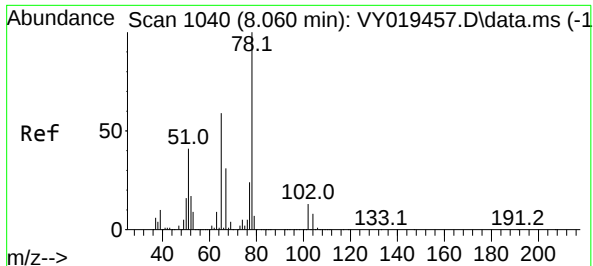
Tgt Ion: 43 Resp: 3189
Ion Ratio Lower Upper
43 100
72 14.2 27.3 40.9#



#31
Cyclohexane
Concen: 1.542 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Tgt Ion: 56 Resp: 7941
Ion Ratio Lower Upper
56 100
69 148.5 28.7 43.1#
84 143.3 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 63.095 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

Instrument :

MSVOA_Y

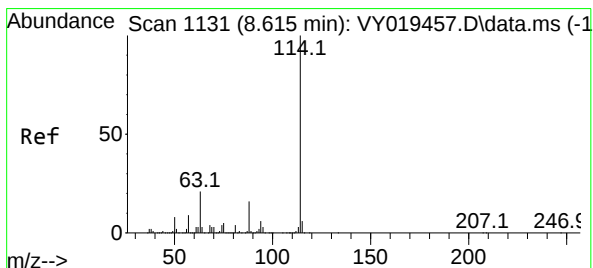
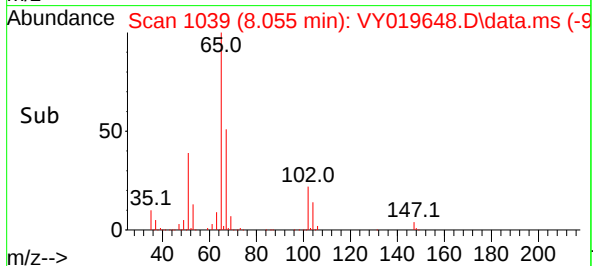
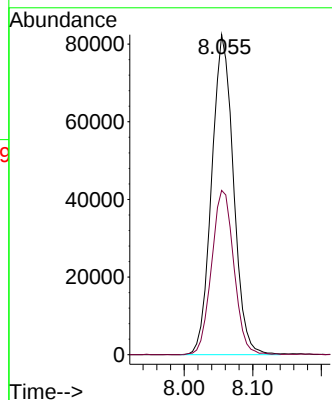
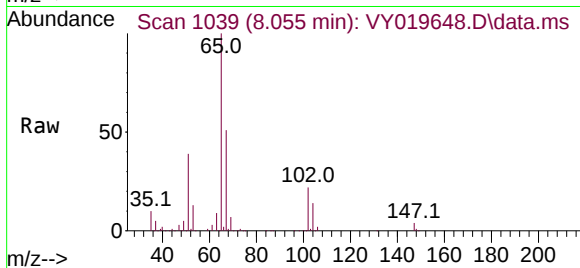
ClientSampleId :

Tgt Ion: 65 Resp: 181564

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

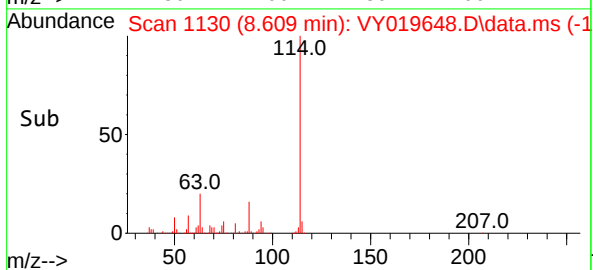
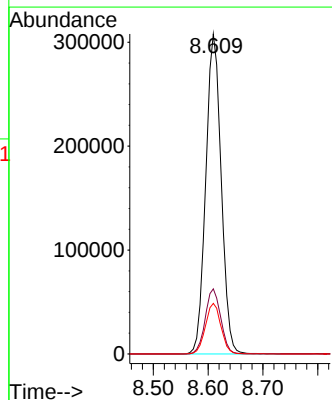
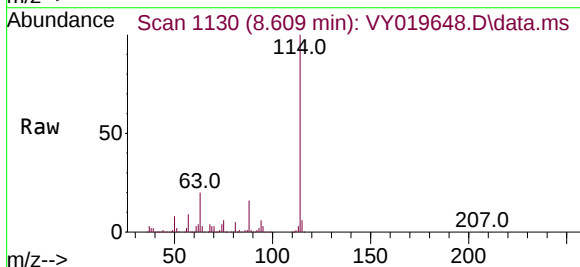
Tgt Ion: 114 Resp: 599913

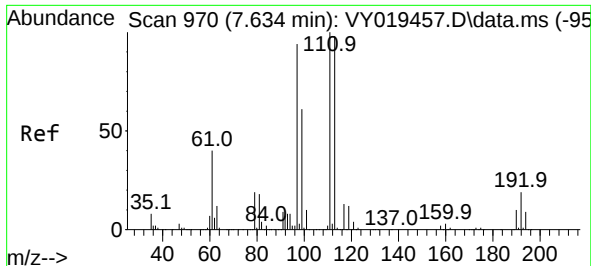
Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

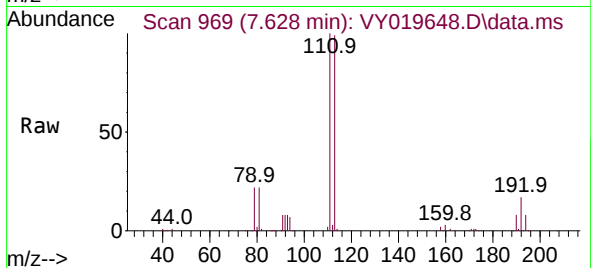
88 15.8 0.0 27.2



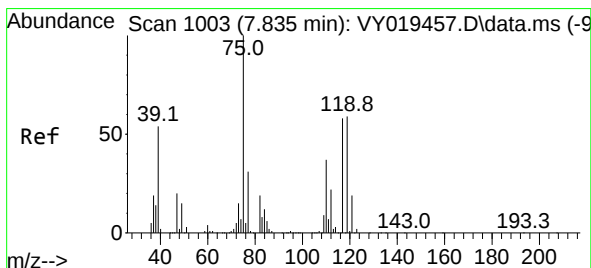
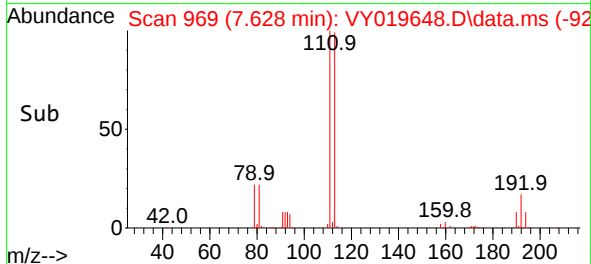
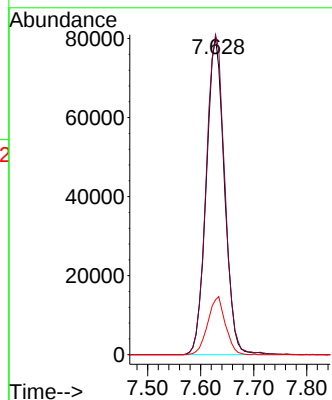


#35
Dibromofluoromethane
Concen: 56.111 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

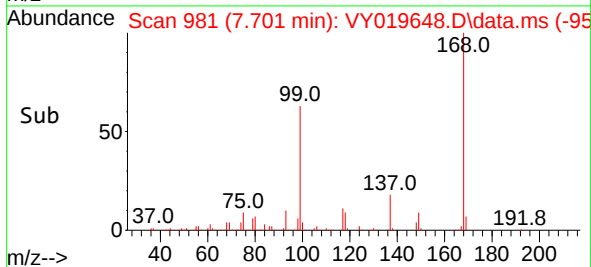
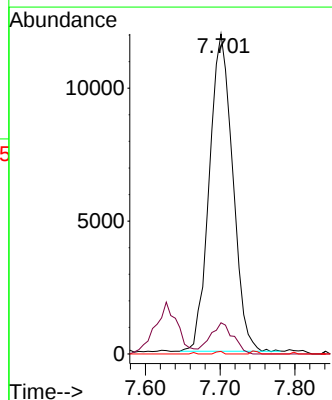
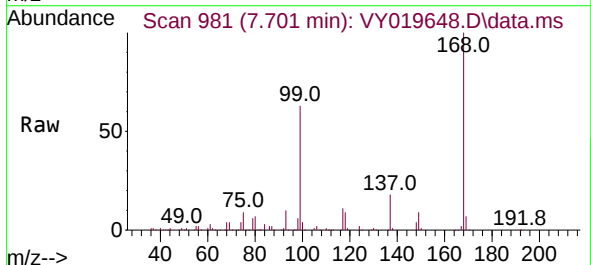


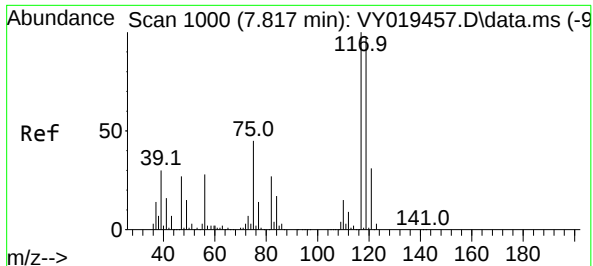
Tgt Ion:113 Resp: 190857
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 17.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.613 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

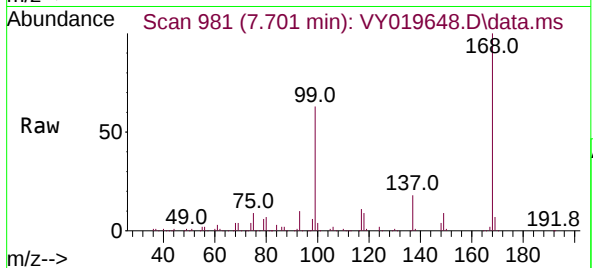
Tgt Ion: 75 Resp: 25978
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.2 25.3 37.9#



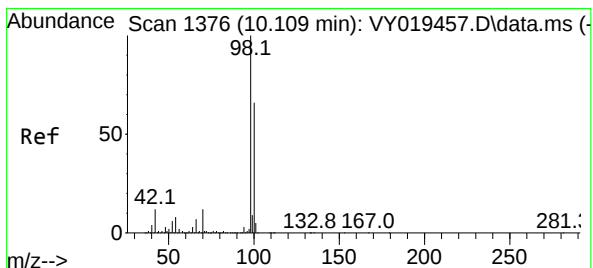
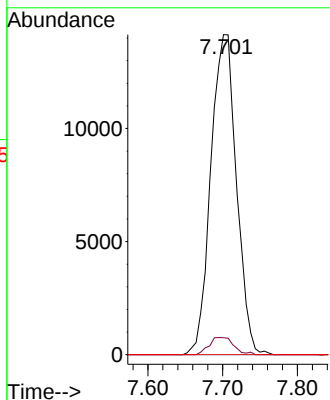
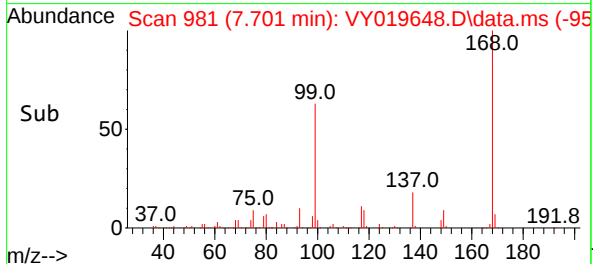


#38
Carbon Tetrachloride
Concen: 6.467 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

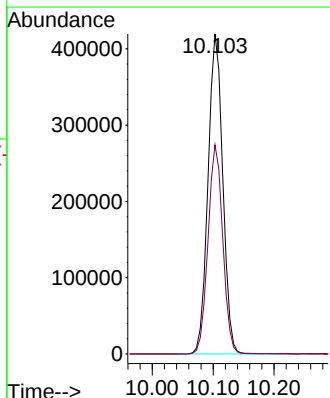
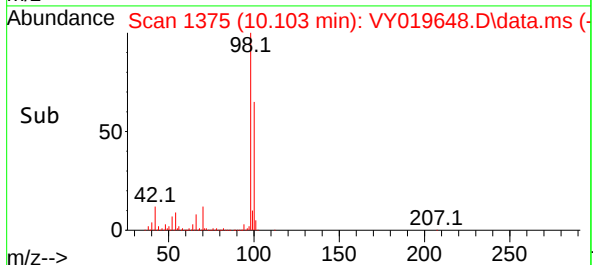
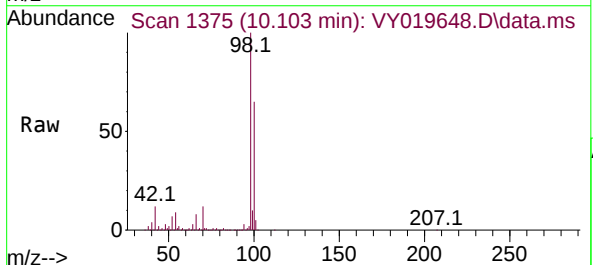


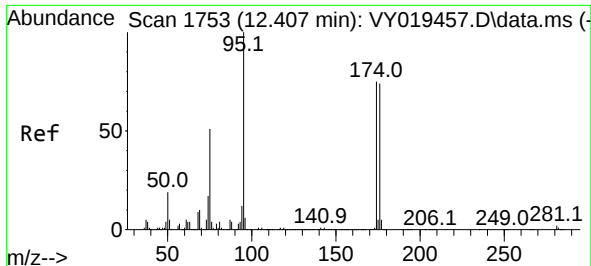
Tgt Ion:117 Resp: 33755
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 55.974 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Tgt Ion: 98 Resp: 704213
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

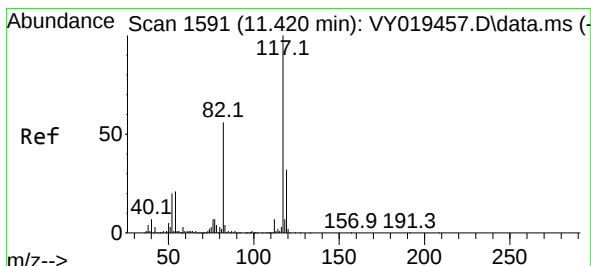
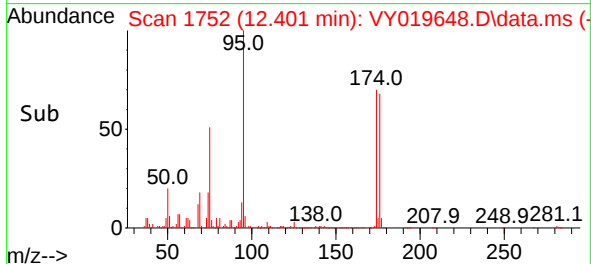
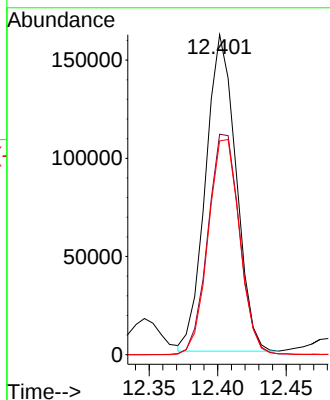
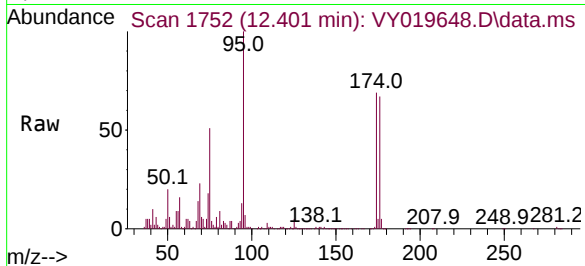




#62
4-Bromofluorobenzene
Concen: 51.515 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

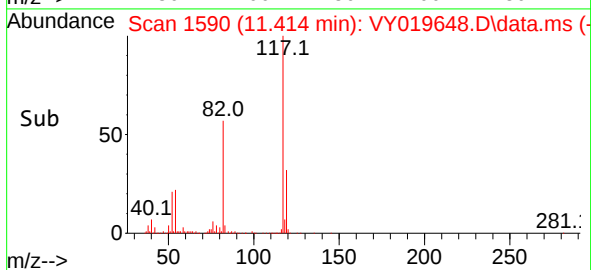
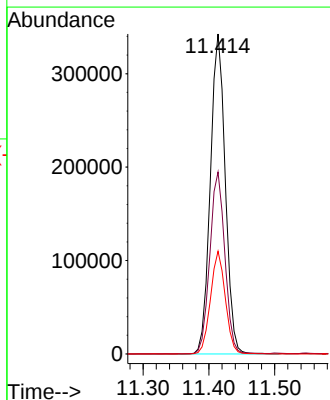
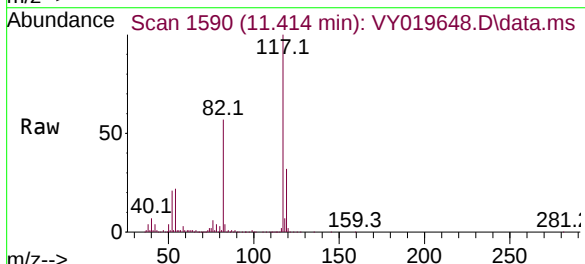
Instrument :
MSVOA_Y
ClientSampleId :

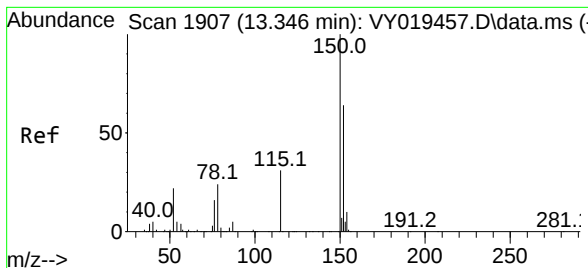
Tgt Ion: 95 Resp: 249204
Ion Ratio Lower Upper
95 100
174 72.6 0.0 175.6
176 70.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Tgt Ion: 117 Resp: 541746
Ion Ratio Lower Upper
117 100
82 56.8 42.4 63.6
119 32.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

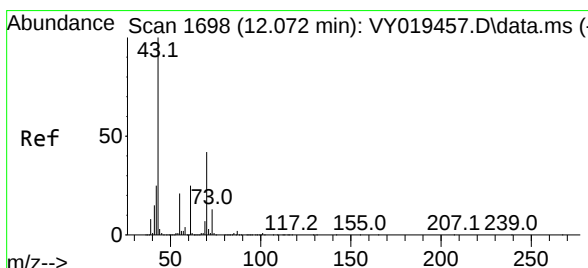
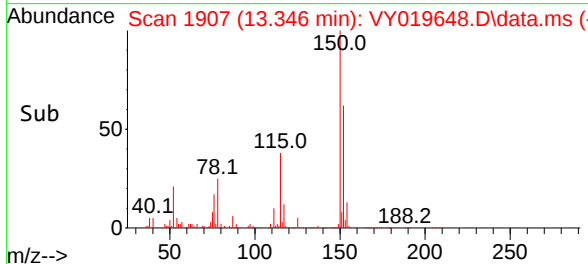
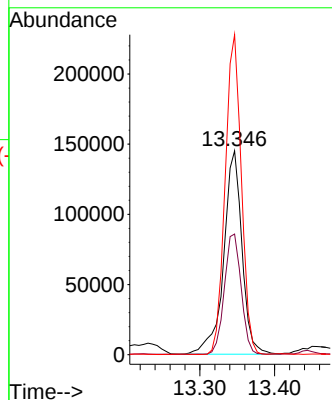
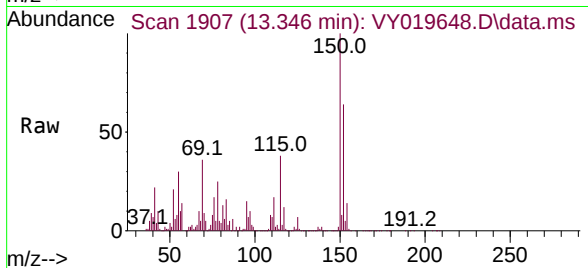
Tgt Ion:152 Resp: 246861

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 138.6 0.0 345.6



#74

N-ethyl acetate

Concen: 11.464 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

Tgt Ion: 43 Resp: 55835

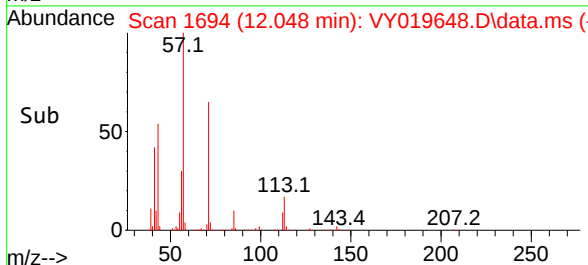
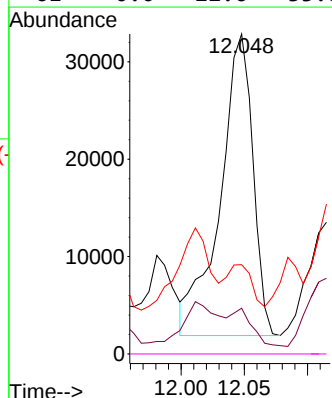
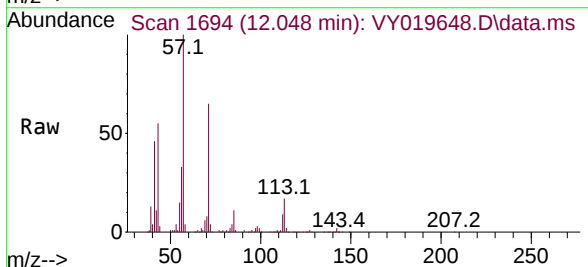
Ion Ratio Lower Upper

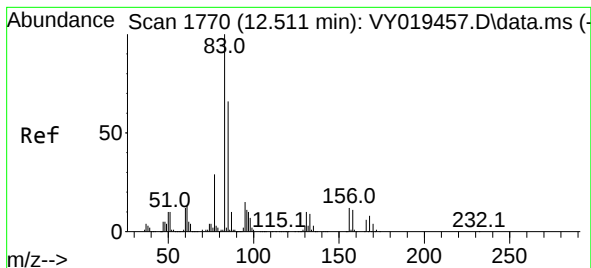
43 100

70 0.0 41.4 62.2#

55 11.0 23.3 34.9#

61 0.0 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 6.201 ug/l

RT: 12.481 min Scan# 11

Delta R.T. -0.030 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

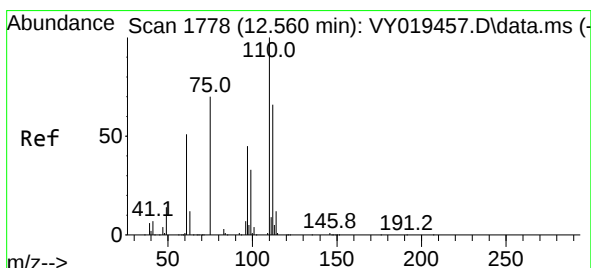
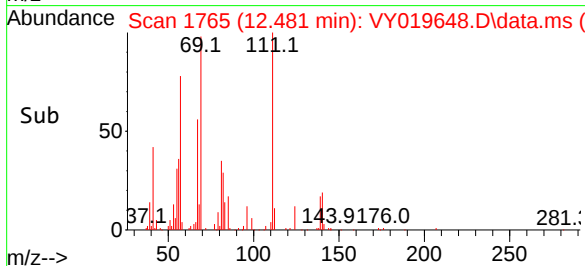
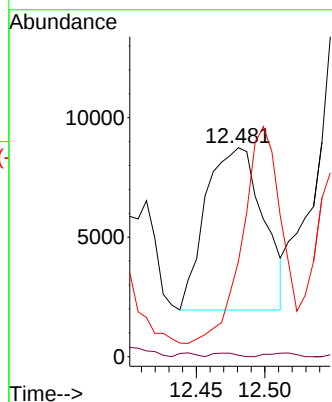
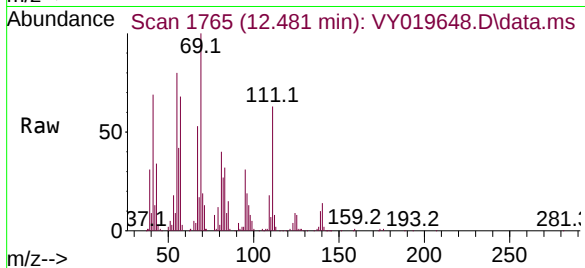
Tgt Ion: 83 Resp: 19710

Ion Ratio Lower Upper

83 100

131 0.9 5.0 14.9#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 55.322 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019648.D

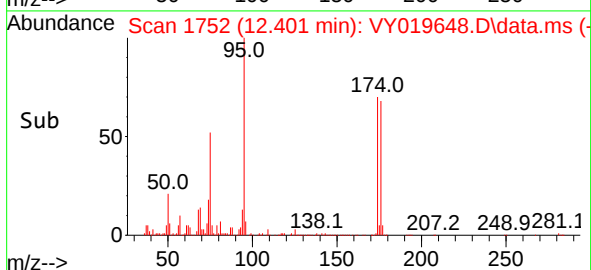
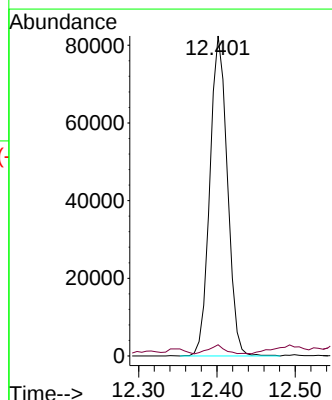
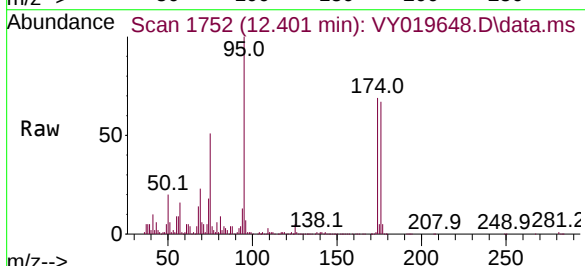
Acq: 20 Sep 2024 16:10

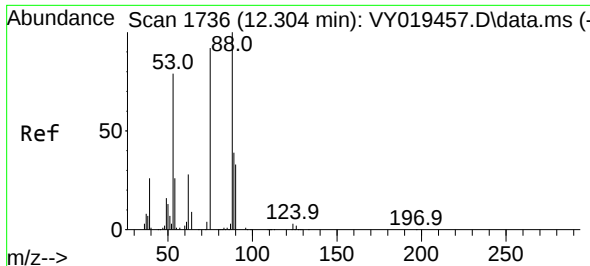
Tgt Ion: 75 Resp: 128005

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#

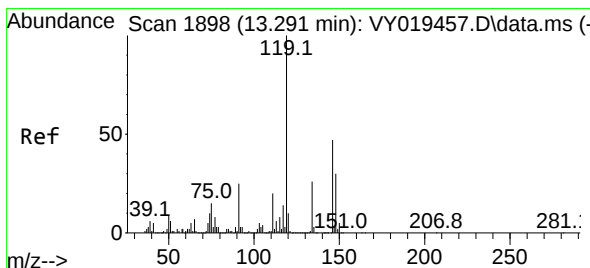
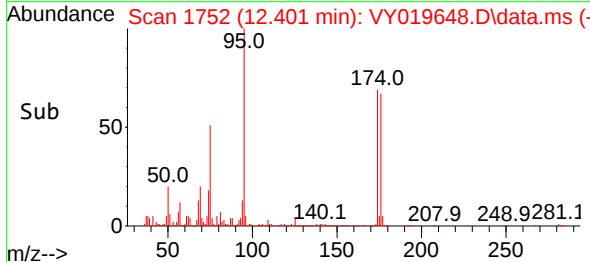
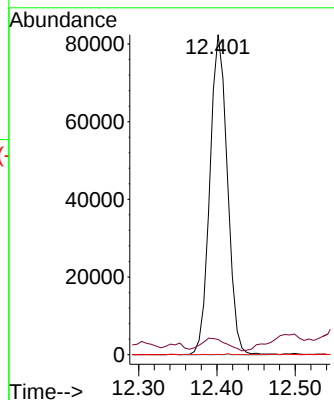
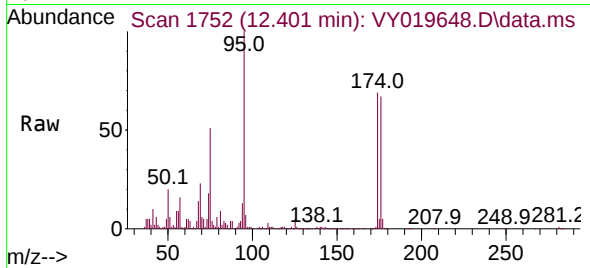




#81
trans-1,4-Dichloro-2-butene
Concen: 106.203 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

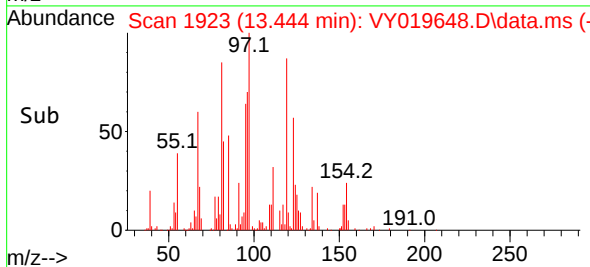
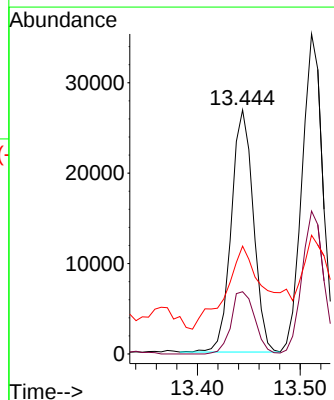
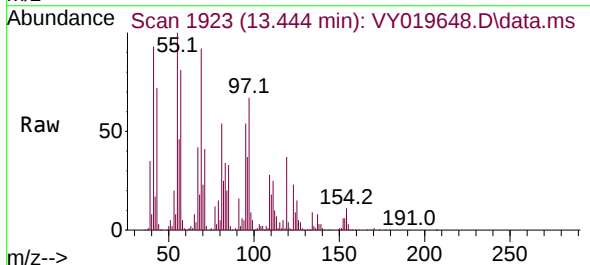
Instrument :
MSVOA_Y
ClientSampleId :

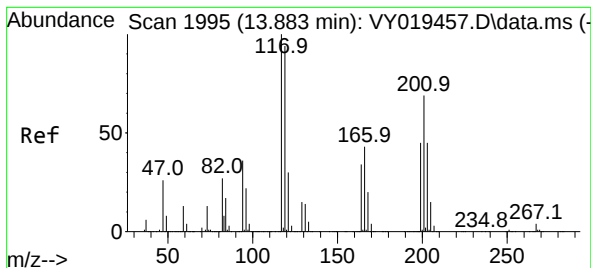
Tgt Ion: 75 Resp: 128005
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 2.556 ug/l
RT: 13.444 min Scan# 1923
Delta R.T. 0.153 min
Lab File: VY019648.D
Acq: 20 Sep 2024 16:10

Tgt Ion: 119 Resp: 40044
Ion Ratio Lower Upper
119 100
134 27.7 13.1 39.3
91 58.3 10.7 32.1#





#90

Hexachloroethane

Concen: 4.805 ug/l

RT: 13.889 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

Instrument :

MSVOA_Y

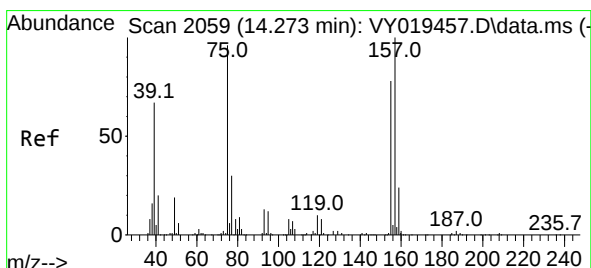
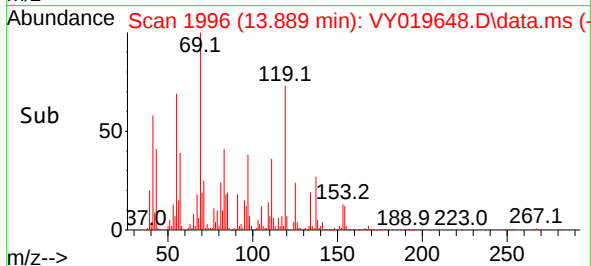
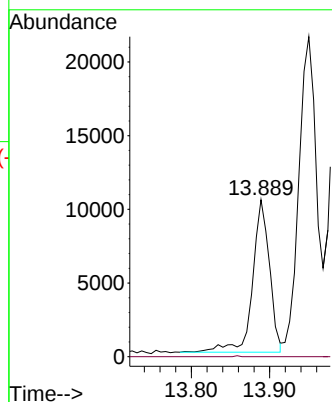
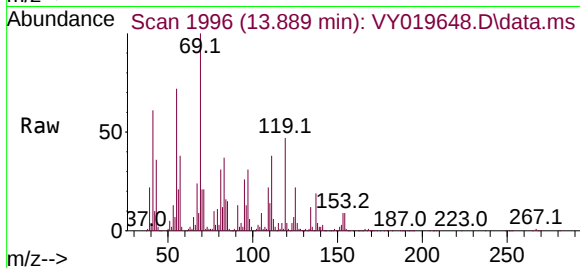
ClientSampleId :

Tgt Ion:117 Resp: 15664

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.711 ug/l

RT: 14.297 min Scan# 2063

Delta R.T. 0.025 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

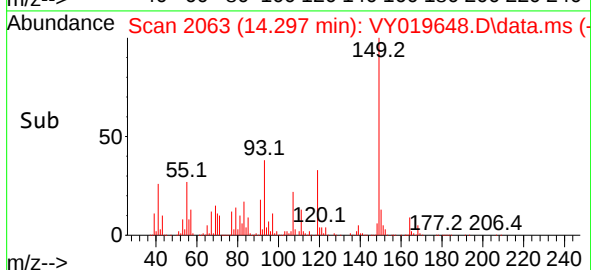
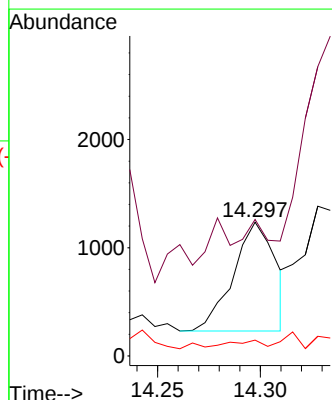
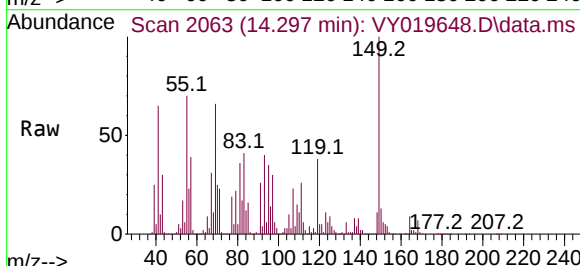
Tgt Ion: 75 Resp: 1436

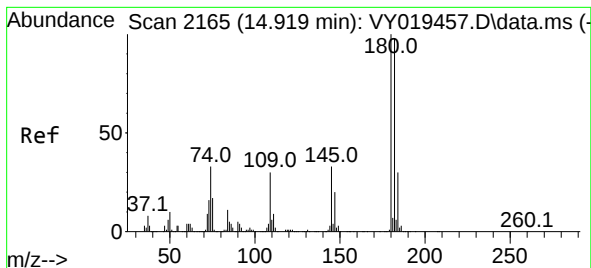
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 8.1 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 5.959 ug/l

RT: 14.956 min Scan# 2165

Delta R.T. 0.037 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

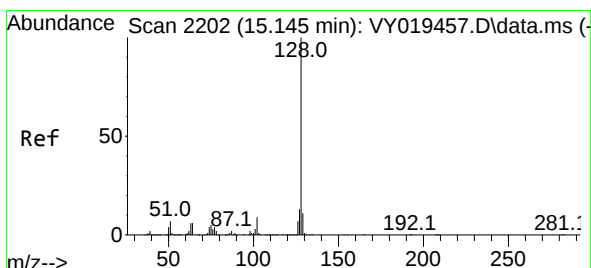
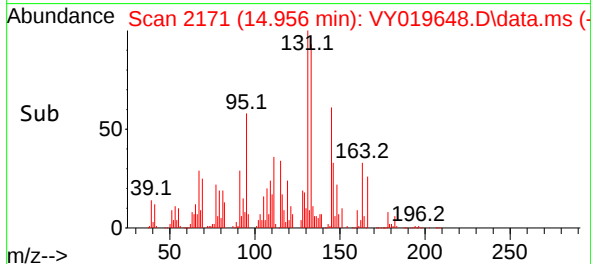
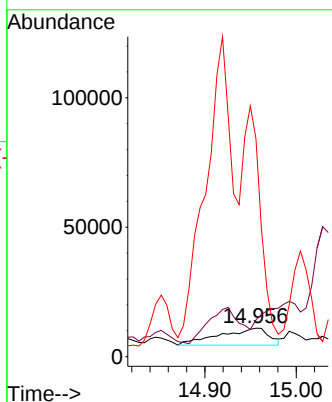
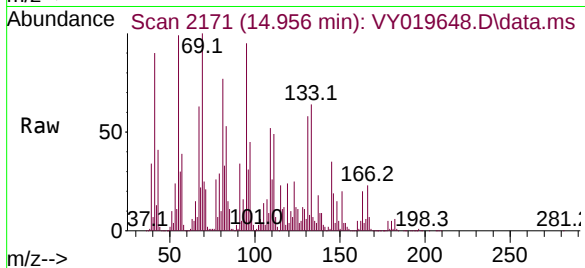
Tgt Ion:180 Resp: 24963

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 514.7 14.2 42.6#



#95

Naphthalene

Concen: 2.875 ug/l

RT: 15.120 min Scan# 2198

Delta R.T. -0.024 min

Lab File: VY019648.D

Acq: 20 Sep 2024 16:10

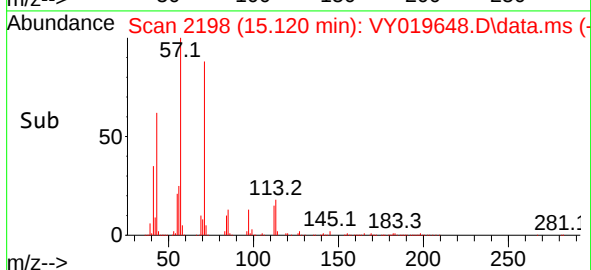
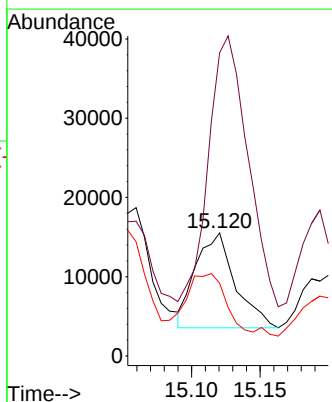
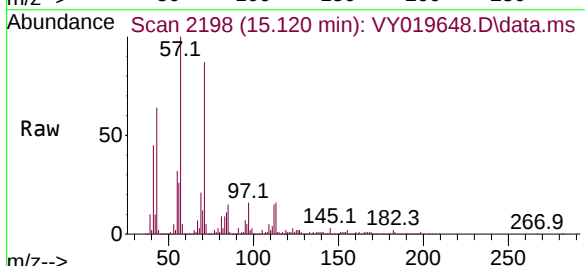
Tgt Ion:128 Resp: 24116

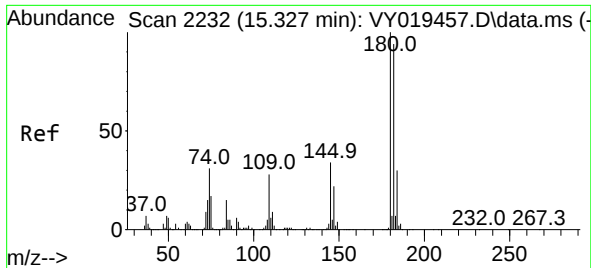
Ion Ratio Lower Upper

128 100

127 281.6 10.6 16.0#

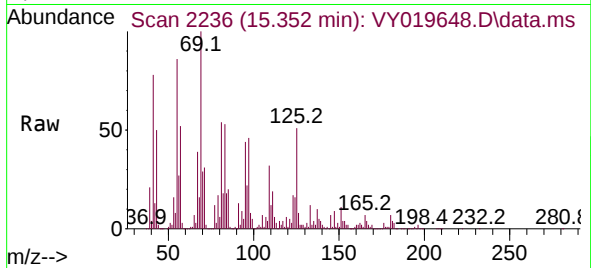
129 68.4 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 6.902 ug/l
 RT: 15.352 min Scan# 21
 Delta R.T. 0.025 min
 Lab File: VY019648.D
 Acq: 20 Sep 2024 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 24730
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 0.0 15.4 46.1#

