

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019607.D
 Acq On : 18 Sep 2024 15:44
 Operator : SY/MD
 Sample : P4098-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:26:03 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)

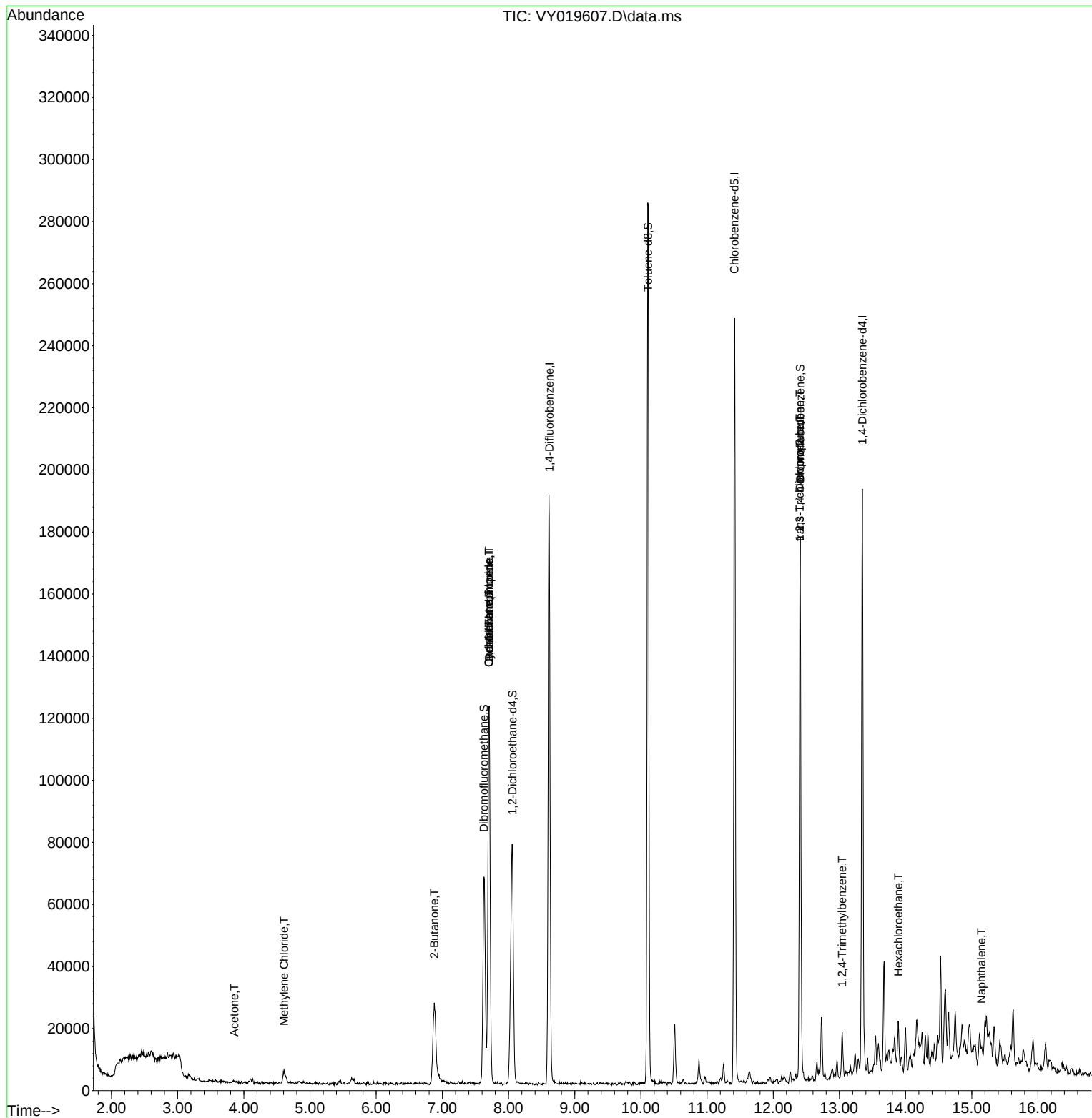
Internal Standards						
1) Pentafluorobenzene	7.707	168	89554	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	159941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	129434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	43701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	48202	58.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.260%	
35) Dibromofluoromethane	7.628	113	49099	54.143	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.280%	
50) Toluene-d8	10.109	98	187670	55.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.900%	
62) 4-Bromofluorobenzene	12.408	95	53451	41.444	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.880%	
Target Compounds						
					Qvalue	
13) Acrolein	3.647	56	74	Below Cal	#	71
16) Acetone	3.854	43	868	4.394	ug/l #	85
20) Methylene Chloride	4.610	84	2780	3.086	ug/l	97
25) 2-Butanone	6.878	43	2204	7.844	ug/l #	41
31) Cyclohexane	7.701	56	2373	1.599	ug/l #	28
36) 1,1-Dichloropropene	7.707	75	8474	6.867	ug/l #	48
38) Carbon Tetrachloride	7.701	117	10033	7.210	ug/l #	19
76) 1,2,3-Trichloropropane	12.402	75	28852	70.439	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	28852	135.222	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	7782	3.050	ug/l	92
90) Hexachloroethane	13.889	117	679	1.177	ug/l #	12
95) Naphthalene	15.145	128	1835	1.236	ug/l #	93

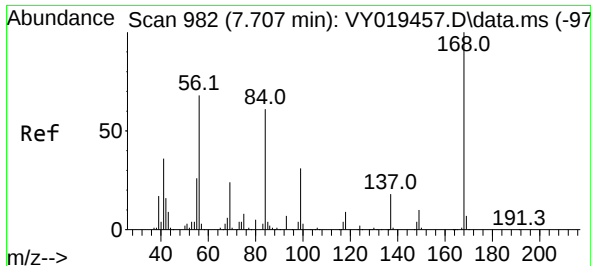
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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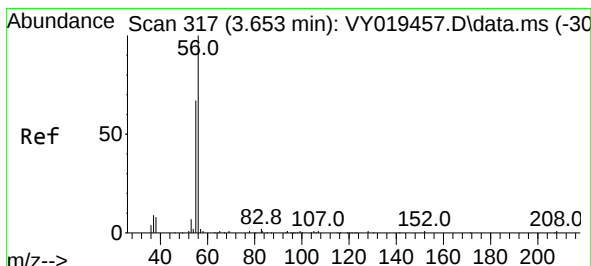
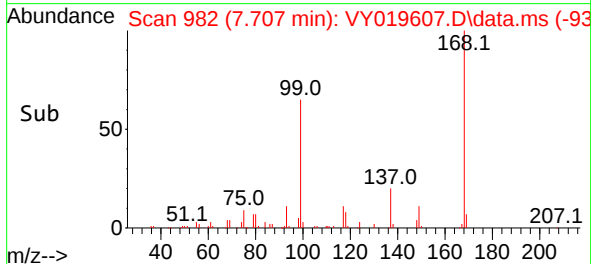
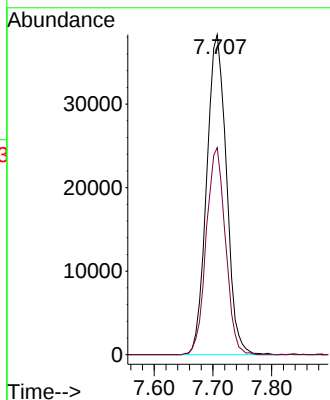
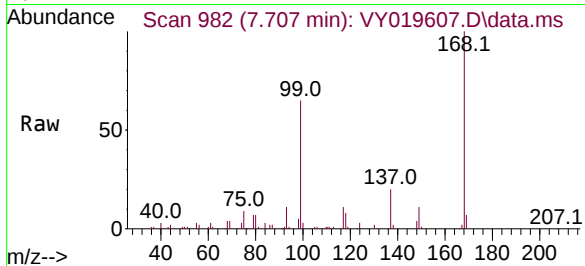




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

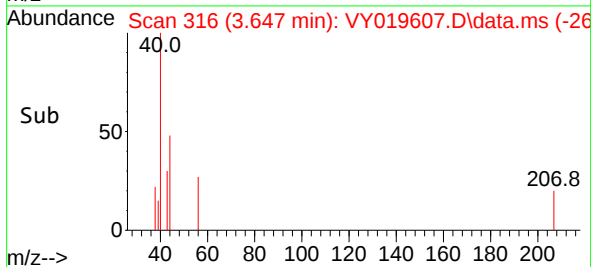
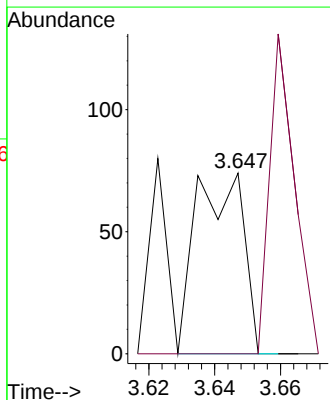
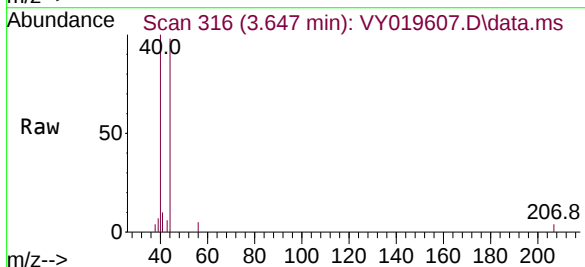
Instrument :
MSVOA_Y
ClientSampleId :

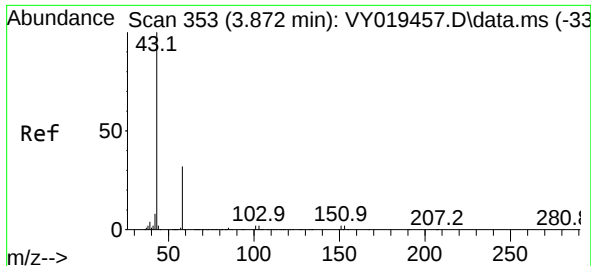
Tgt Ion:168 Resp: 89554
Ion Ratio Lower Upper
168 100
99 64.7 39.1 58.7#



#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

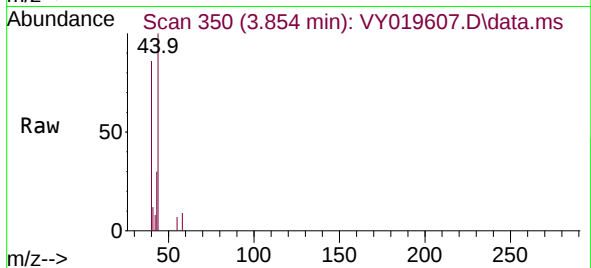
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 93.2 55.7 83.5#



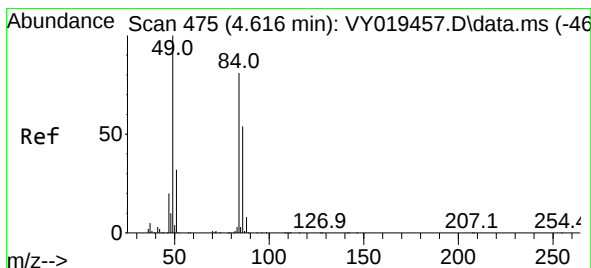
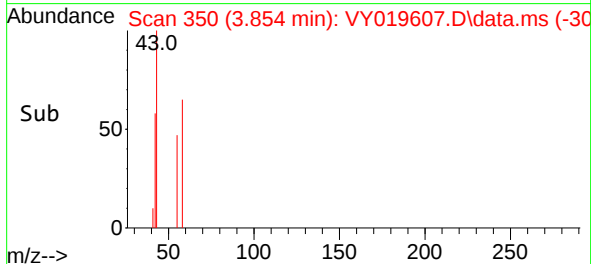
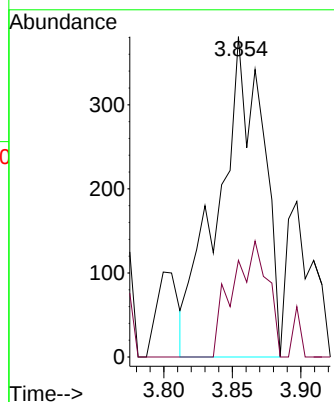


#16
Acetone
Concen: 4.394 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :

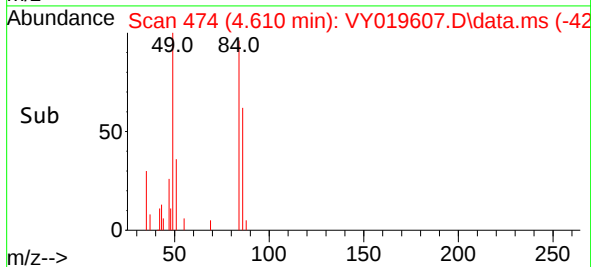
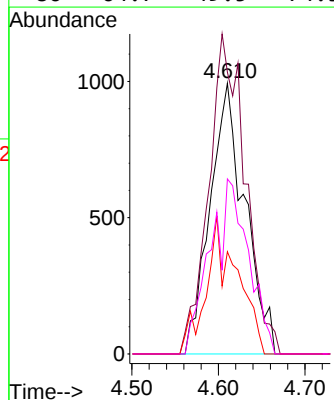
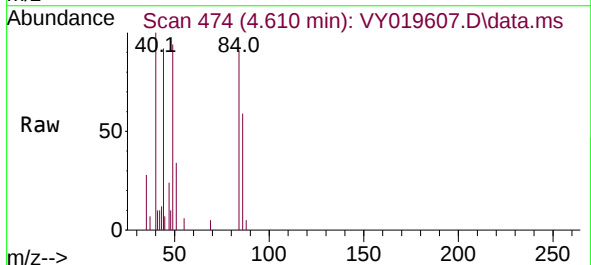


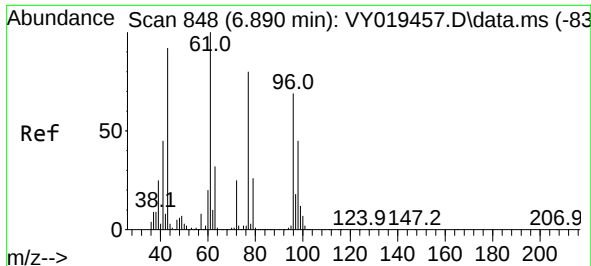
Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
58 30.2 31.7 47.5#



#20
Methylene Chloride
Concen: 3.086 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion: 84 Resp: 2780
Ion Ratio Lower Upper
84 100
49 104.1 84.4 126.6
51 37.8 26.0 39.0
86 64.7 49.5 74.3





#25

2-Butanone

Concen: 7.844 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.012 min

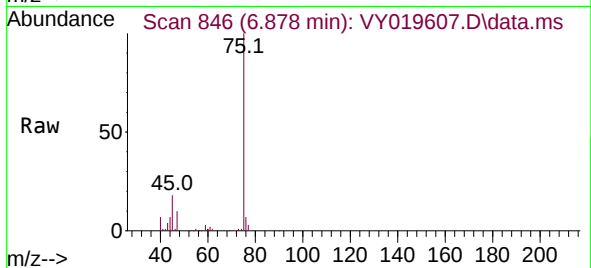
Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :

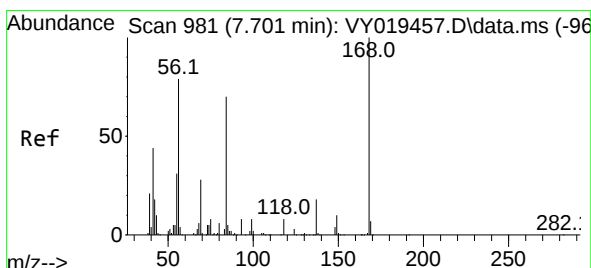
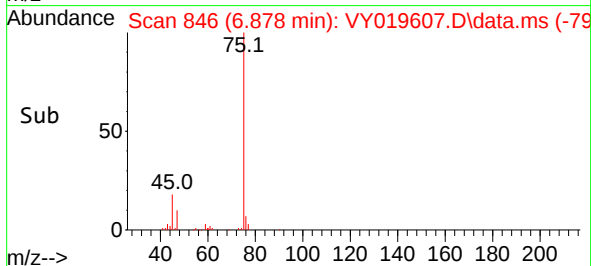
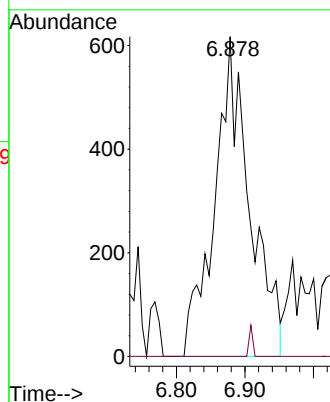


Tgt Ion: 43 Resp: 2204

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.599 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

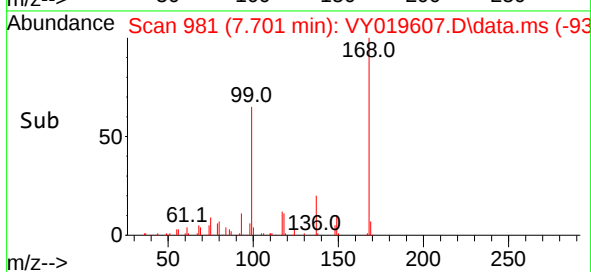
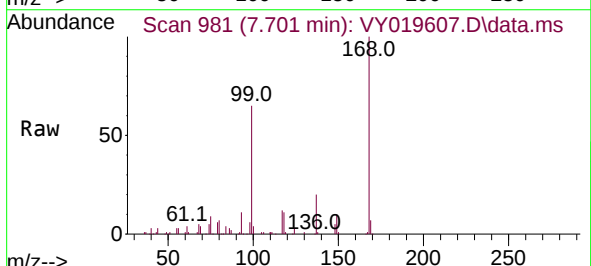
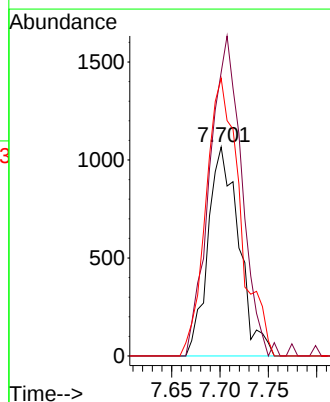
Tgt Ion: 56 Resp: 2373

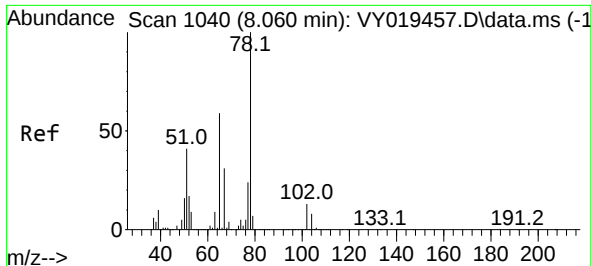
Ion Ratio Lower Upper

56 100

69 135.7 28.7 43.1#

84 132.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 58.127 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

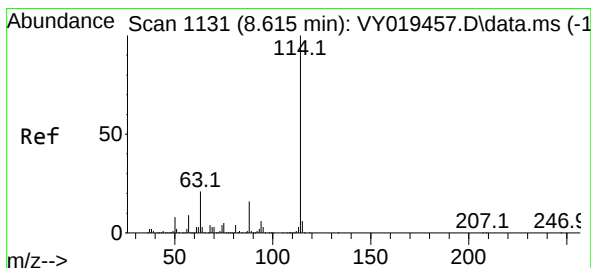
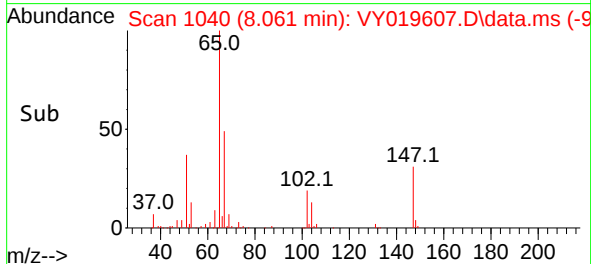
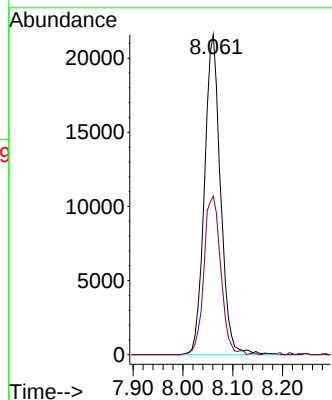
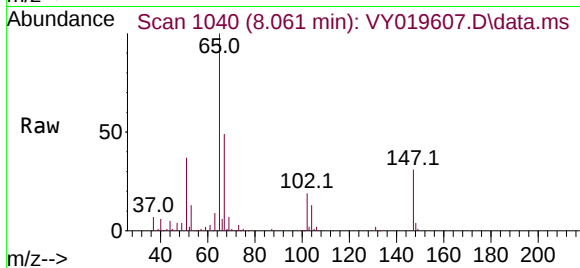
ClientSampleId :

Tgt Ion: 65 Resp: 48202

Ion Ratio Lower Upper

65 100

67 52.2 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: VY019607.D

Acq: 18 Sep 2024 15:44

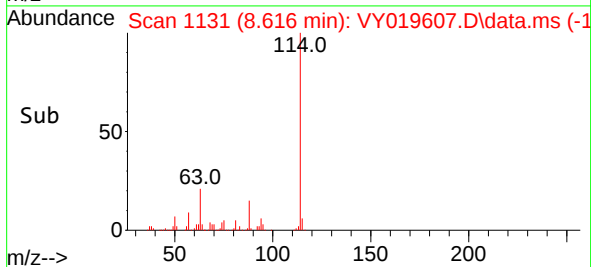
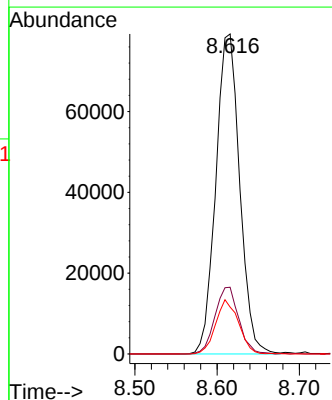
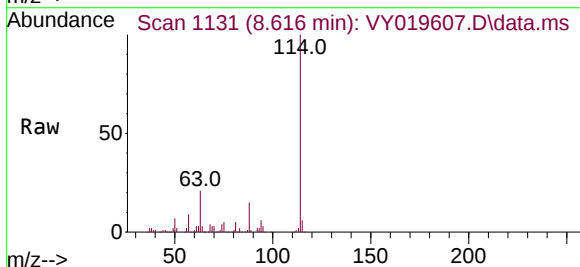
Tgt Ion: 114 Resp: 159941

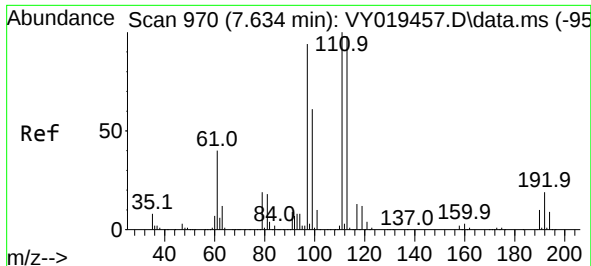
Ion Ratio Lower Upper

114 100

63 20.9 0.0 35.0

88 14.7 0.0 27.2

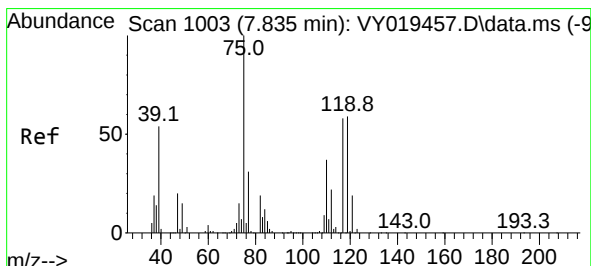
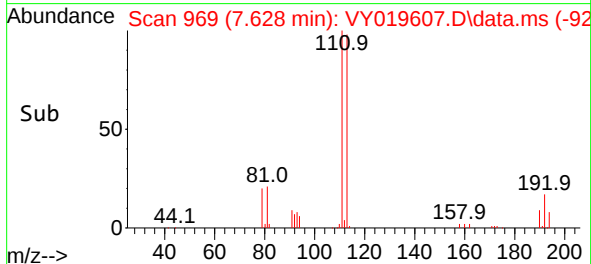
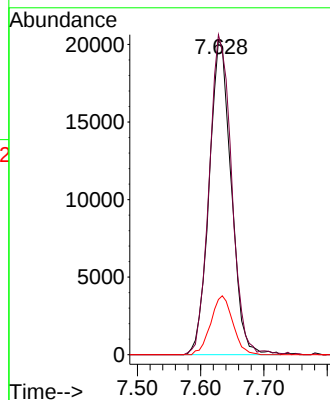
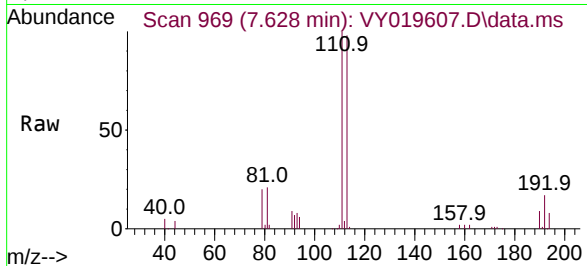




#35
Dibromofluoromethane
Concen: 54.143 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

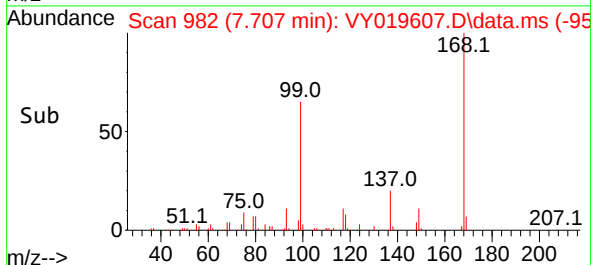
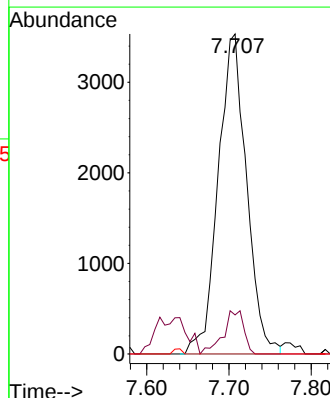
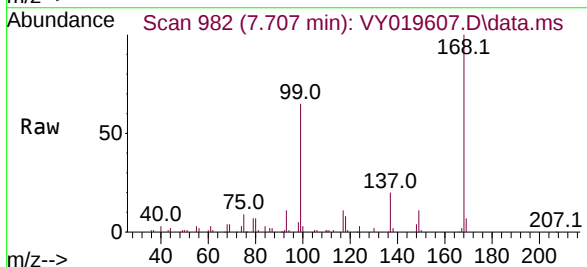
Instrument :
MSVOA_Y
ClientSampleId :

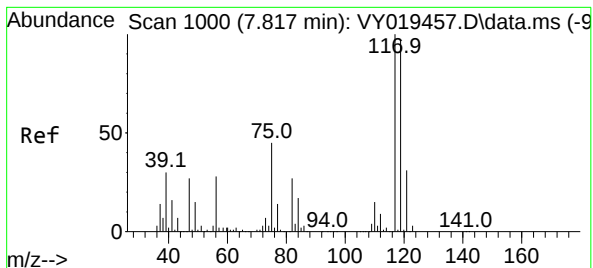
Tgt Ion:113 Resp: 49099
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.4
192 18.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.867 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion: 75 Resp: 8474
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 7.210 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.115 min

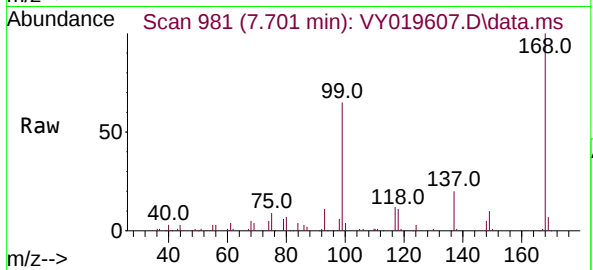
Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :



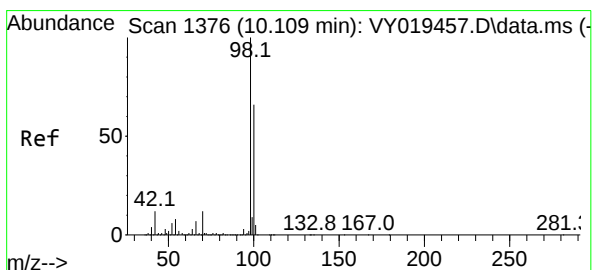
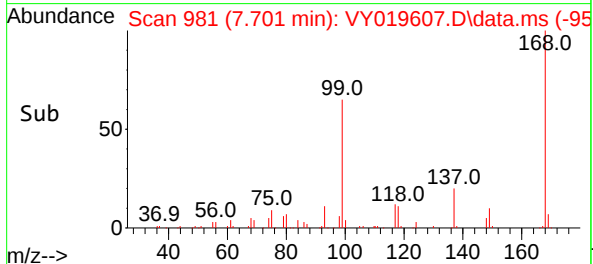
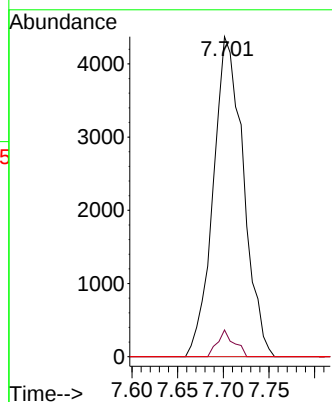
Tgt Ion:117 Resp: 10033

Ion Ratio Lower Upper

117 100

119 8.4 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 55.951 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019607.D

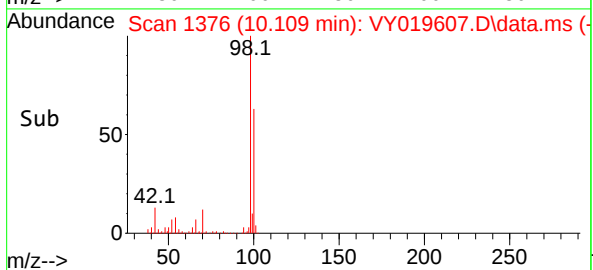
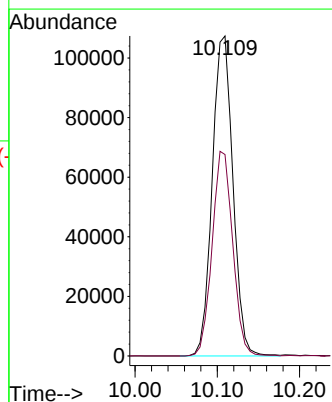
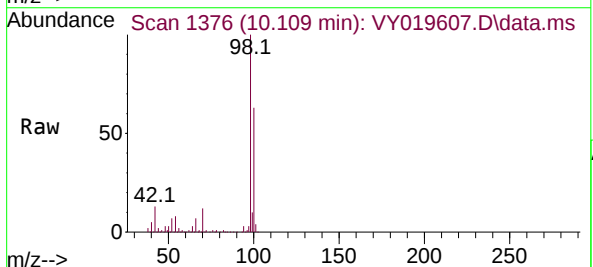
Acq: 18 Sep 2024 15:44

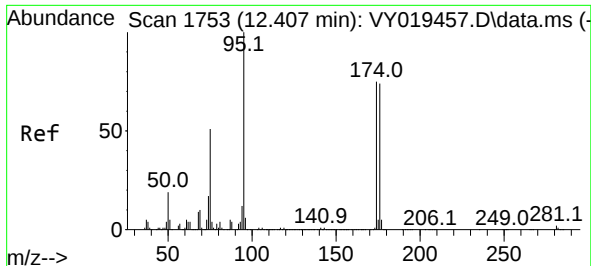
Tgt Ion: 98 Resp: 187670

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

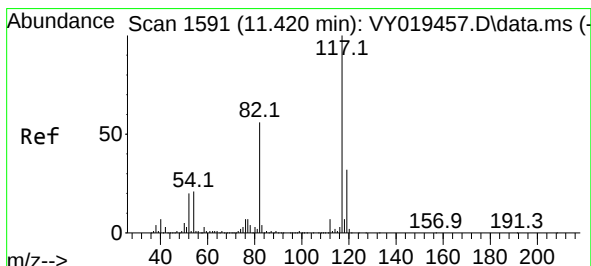
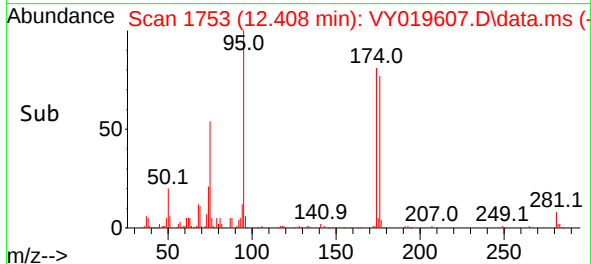
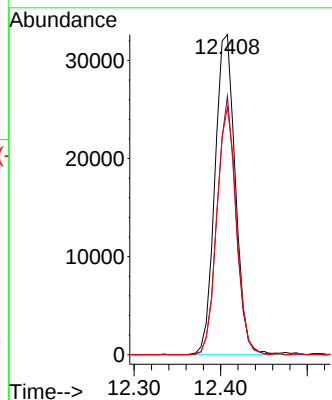
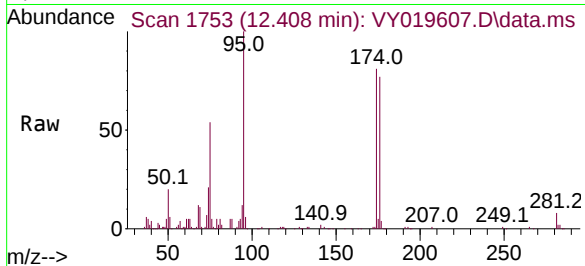




#62
4-Bromofluorobenzene
Concen: 41.444 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

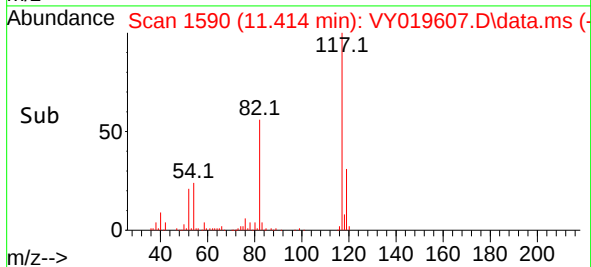
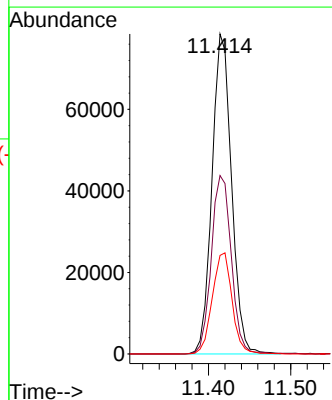
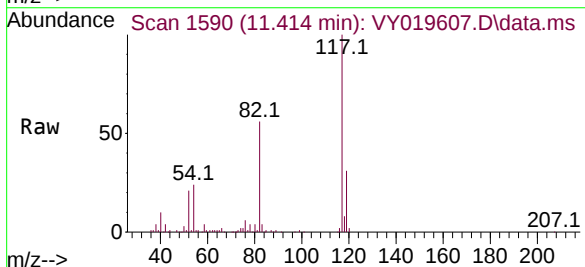
Instrument :
MSVOA_Y
ClientSampleId :

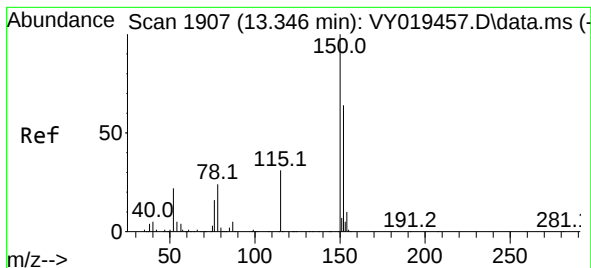
Tgt Ion: 95 Resp: 53451
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 74.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion: 117 Resp: 129434
Ion Ratio Lower Upper
117 100
82 55.8 42.4 63.6
119 30.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :

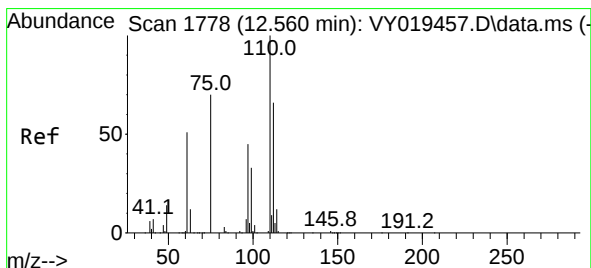
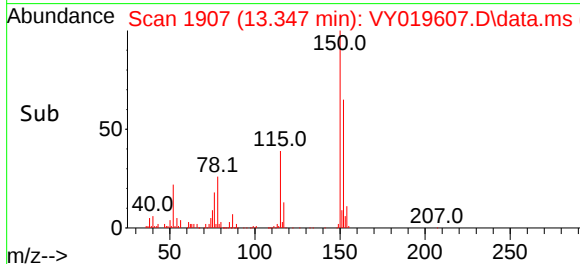
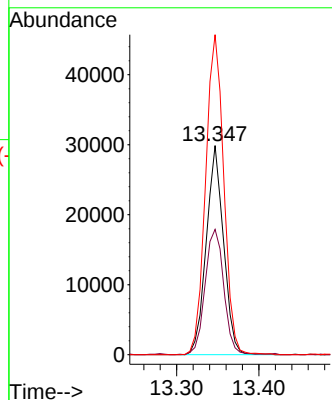
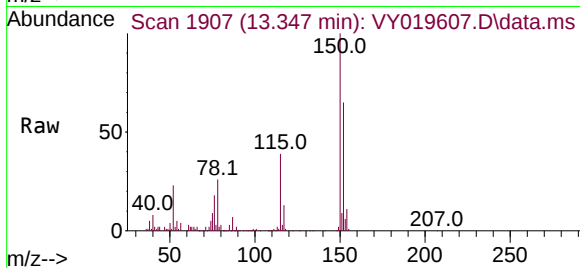
Tgt Ion:152 Resp: 43701

Ion Ratio Lower Upper

152 100

115 64.7 28.2 84.7

150 160.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 70.439 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019607.D

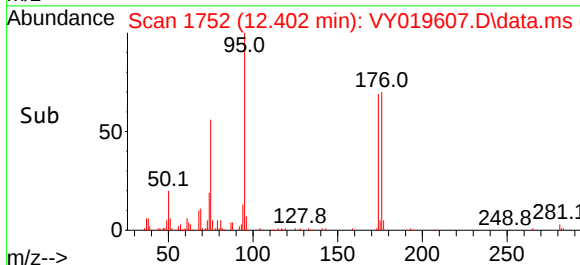
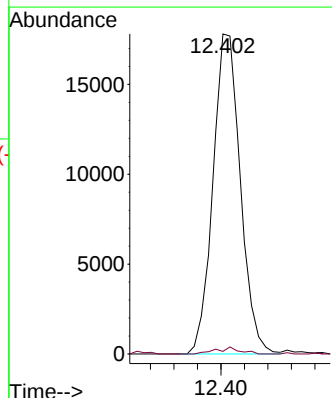
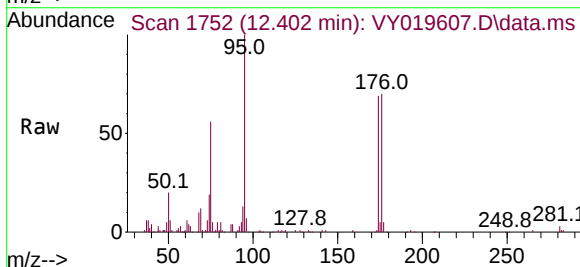
Acq: 18 Sep 2024 15:44

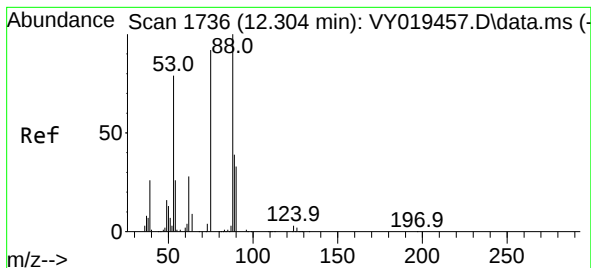
Tgt Ion: 75 Resp: 28852

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#

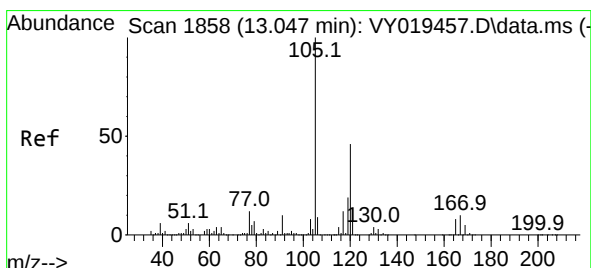
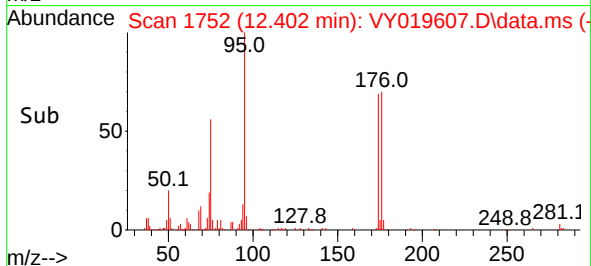
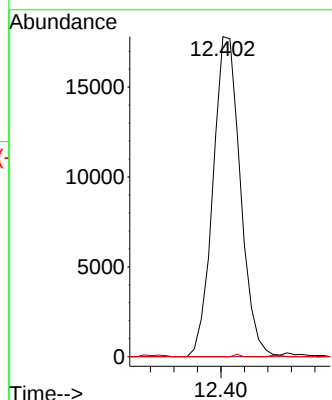
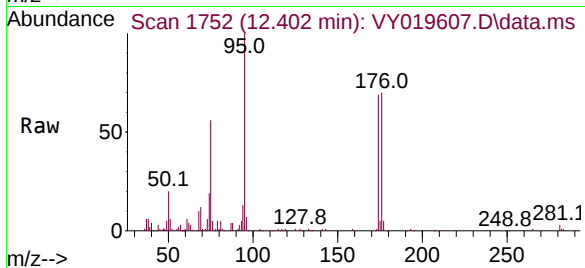




#81
trans-1,4-Dichloro-2-butene
Concen: 135.222 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

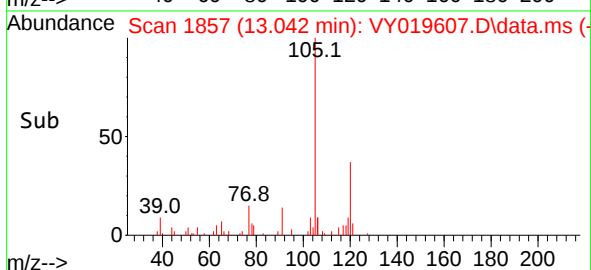
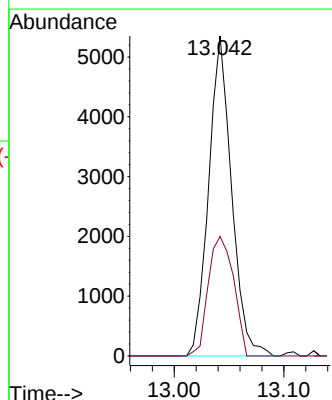
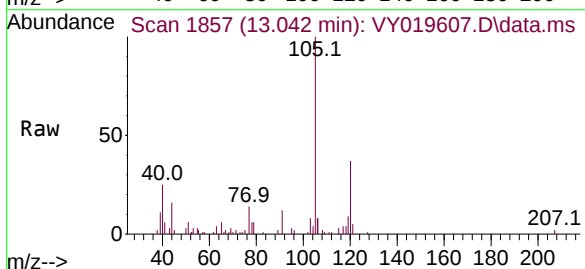
Instrument :
MSVOA_Y
ClientSampleId :

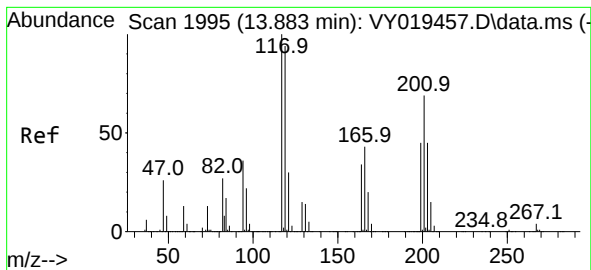
Tgt Ion: 75 Resp: 28852
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 3.050 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion: 105 Resp: 7782
Ion Ratio Lower Upper
105 100
120 41.1 23.2 69.6

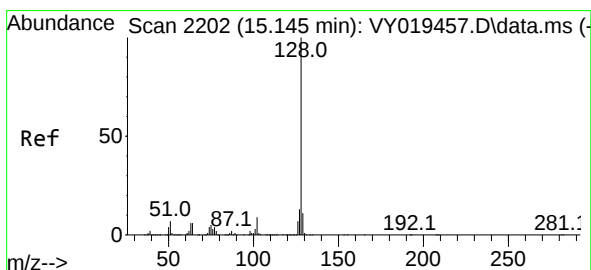
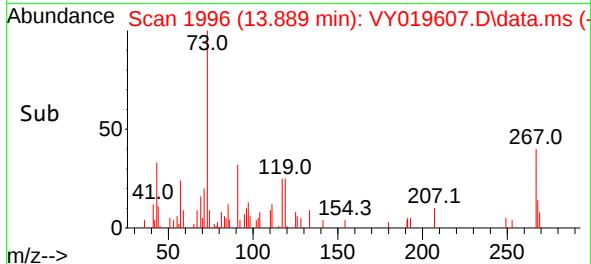
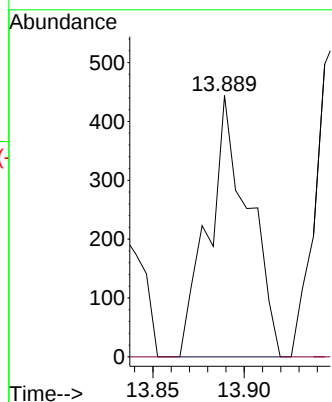
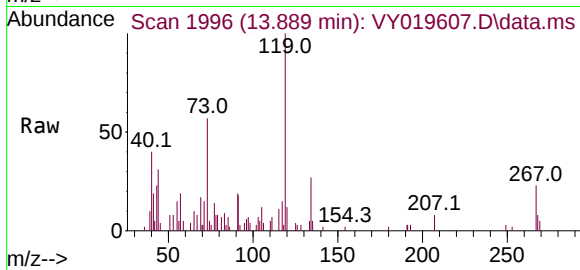




#90
Hexachloroethane
Concen: 1.177 ug/l
RT: 13.889 min Scan# 1995
Delta R.T. 0.007 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 679
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#95
Naphthalene
Concen: 1.236 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion:128 Resp: 1835
Ion Ratio Lower Upper
128 100
127 11.0 10.6 16.0
129 7.5 8.6 13.0#

