

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019551.D
 Acq On : 13 Sep 2024 19:52
 Operator : SY/MD
 Sample : P3856-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOCRE

Quant Time: Sep 13 23:37:55 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)

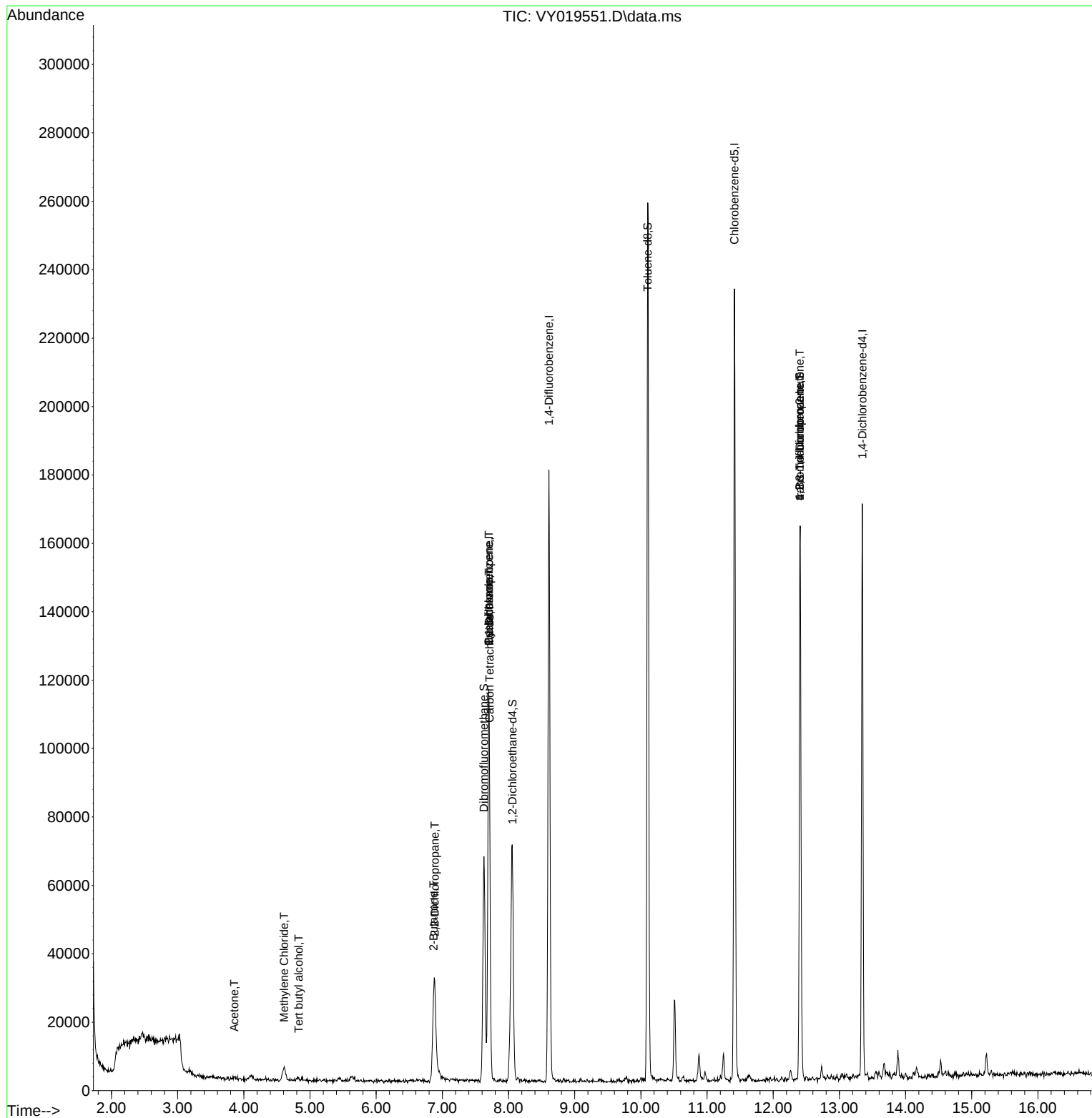
Internal Standards						
1) Pentafluorobenzene	7.701	168	83893	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	149271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	119701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	39778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	45541	58.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.240%	
35) Dibromofluoromethane	7.628	113	46789	55.284	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.560%	
50) Toluene-d8	10.103	98	170937	54.605	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.220%	
62) 4-Bromofluorobenzene	12.402	95	49279	40.941	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 81.880%	
Target Compounds						
2) Dichlorodifluoromethane	1.977	85	86	Below Cal	#	43
11) Tert butyl alcohol	4.830	59	1416	22.571	ug/l	# 81
13) Acrolein	3.641	56	141	Below Cal	#	32
16) Acetone	3.854	43	1728	9.337	ug/l	# 85
20) Methylene Chloride	4.610	84	2250	2.666	ug/l	# 90
25) 2-Butanone	6.866	43	1151	4.373	ug/l	# 62
26) 2,2-Dichloropropane	6.884	77	2556	1.842	ug/l	# 51
31) Cyclohexane	7.701	56	2343	1.685	ug/l	# 22
36) 1,1-Dichloropropene	7.701	75	7921	6.878	ug/l	# 48
38) Carbon Tetrachloride	7.713	117	9436	7.266	ug/l	# 16
76) 1,2,3-Trichloropropane	12.402	75	26136	70.101	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	26136	134.573	ug/l	# 16

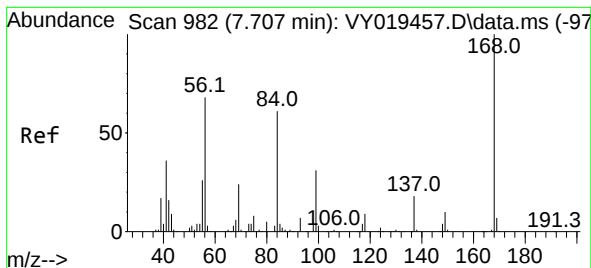
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

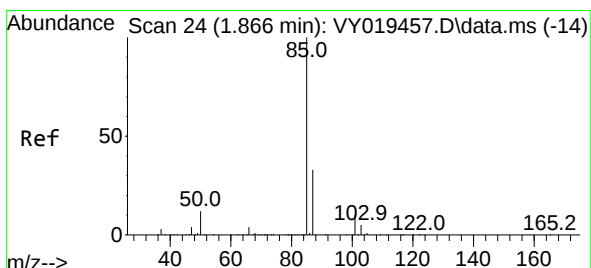
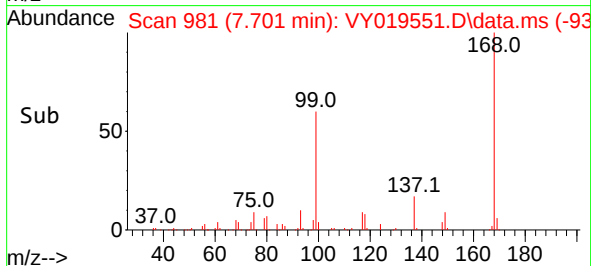
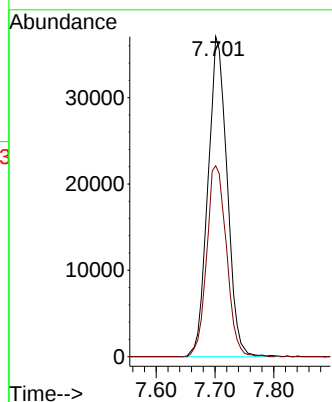
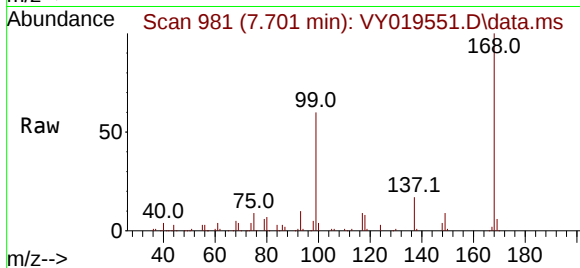
VOCRE

Tgt Ion:168 Resp: 83893

Ion Ratio Lower Upper

168 100

99 59.7 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.977 min Scan# 42

Delta R.T. 0.111 min

Lab File: VY019551.D

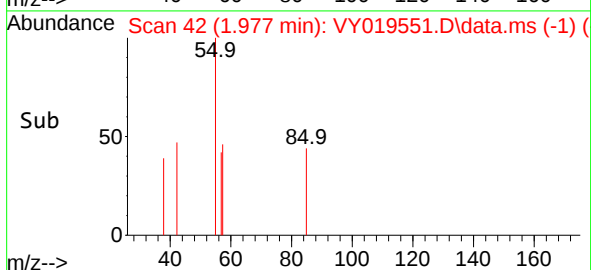
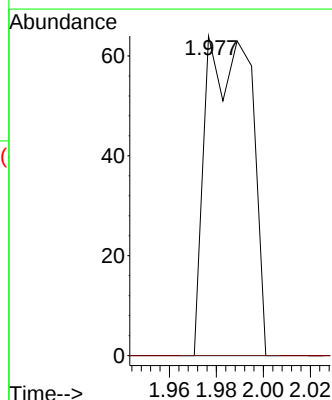
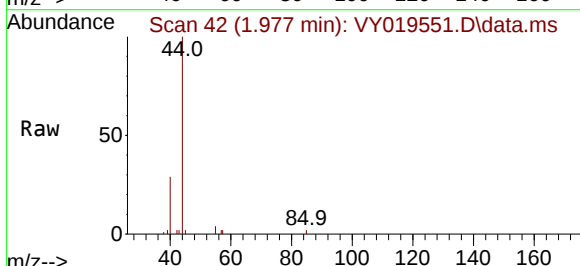
Acq: 13 Sep 2024 19:52

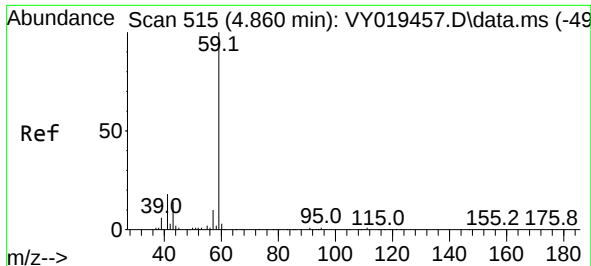
Tgt Ion: 85 Resp: 86

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 22.571 ug/l

RT: 4.830 min Scan# 51

Delta R.T. -0.030 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

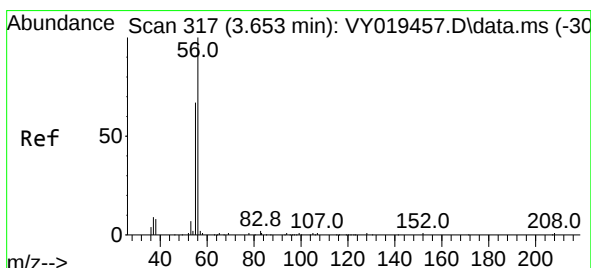
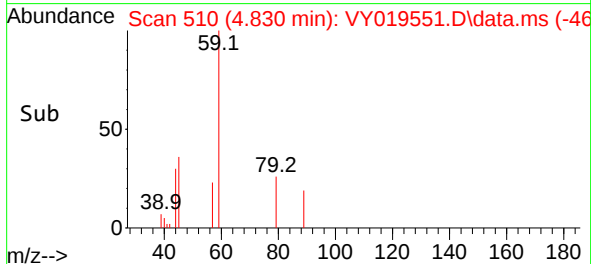
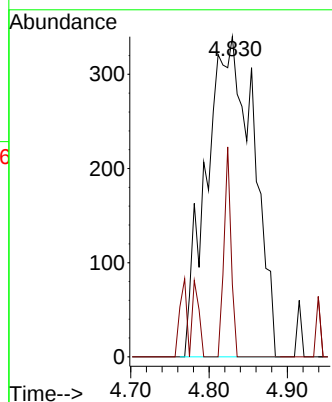
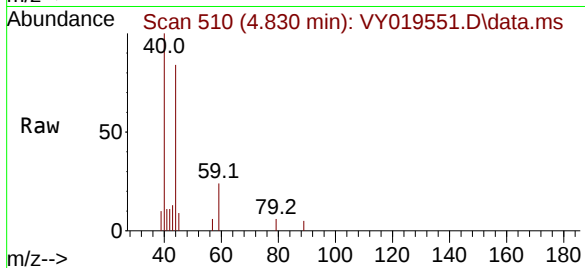
VOCRE

Tgt Ion: 59 Resp: 1416

Ion Ratio Lower Upper

59 100

57 10.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.641 min Scan# 315

Delta R.T. -0.012 min

Lab File: VY019551.D

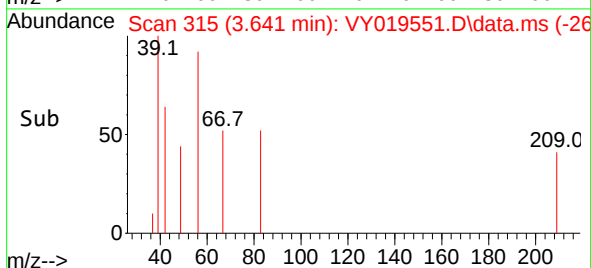
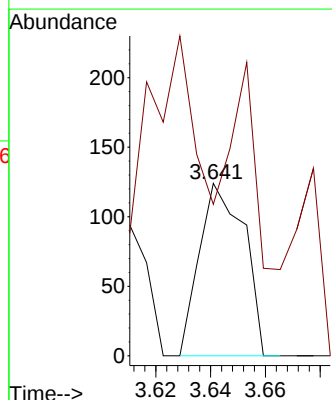
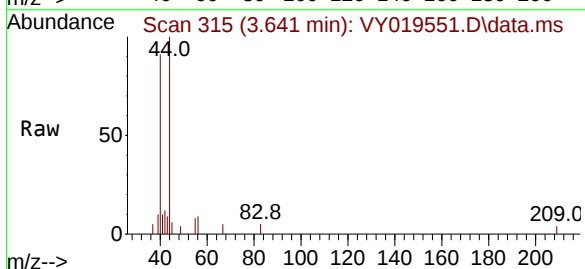
Acq: 13 Sep 2024 19:52

Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 125.5 55.7 83.5#

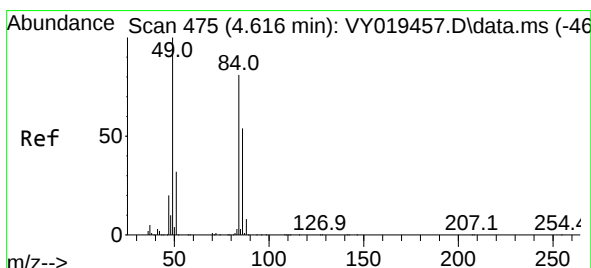
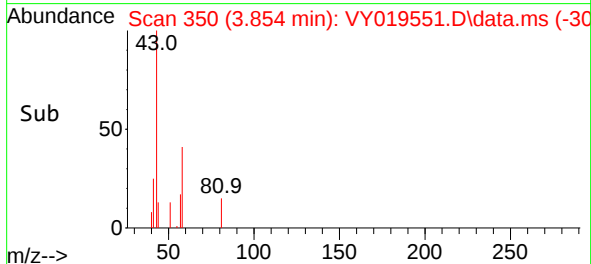
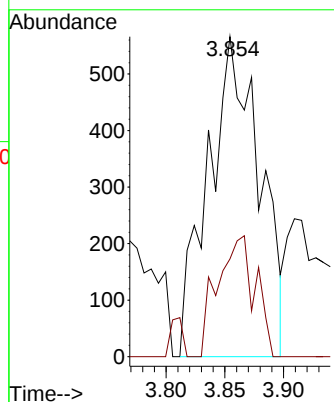
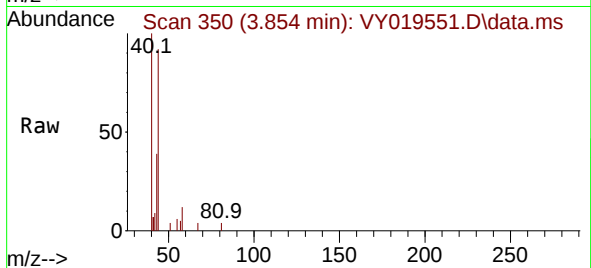




#16
Acetone
Concen: 9.337 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

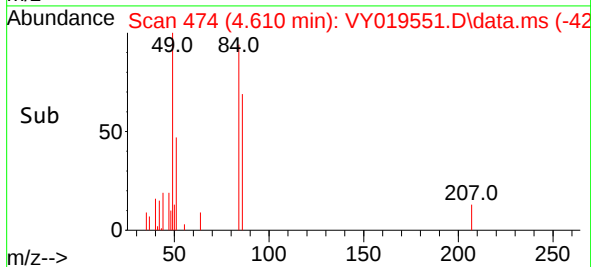
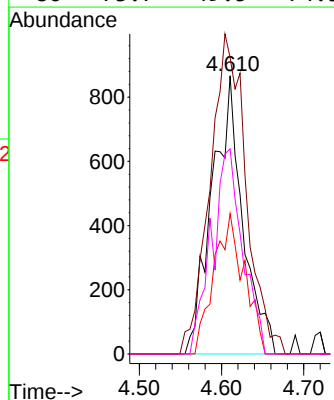
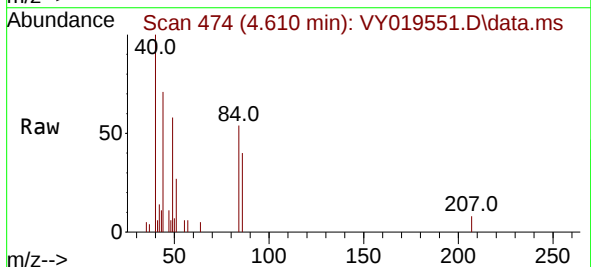
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
58 30.6 31.7 47.5#



#20
Methylene Chloride
Concen: 2.666 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

Tgt Ion: 84 Resp: 2250
Ion Ratio Lower Upper
84 100
49 106.5 84.4 126.6
51 50.4 26.0 39.0#
86 73.7 49.5 74.3





#25

2-Butanone

Concen: 4.373 ug/l

RT: 6.866 min Scan# 84

Delta R.T. -0.024 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

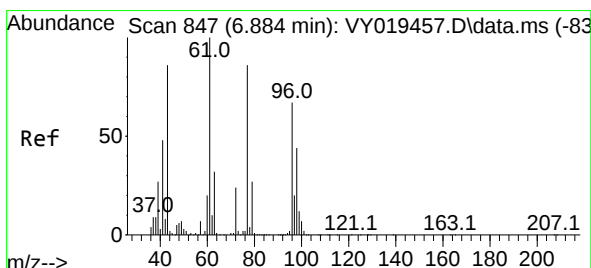
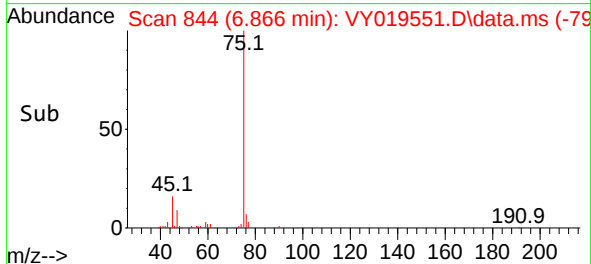
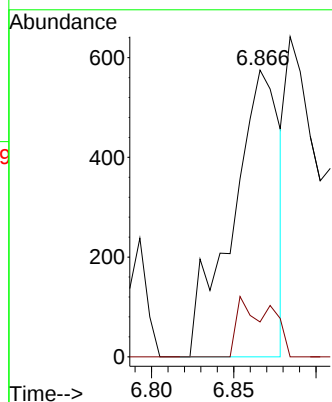
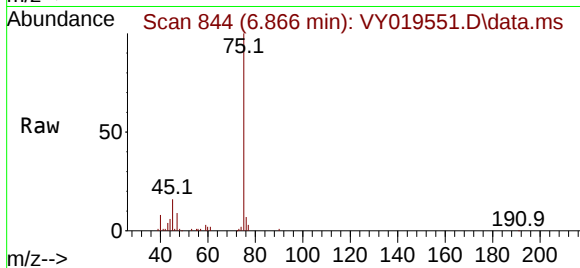
VOCRE

Tgt Ion: 43 Resp: 1151

Ion Ratio Lower Upper

43 100

72 12.2 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.842 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019551.D

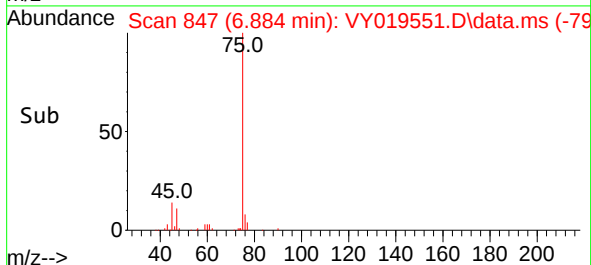
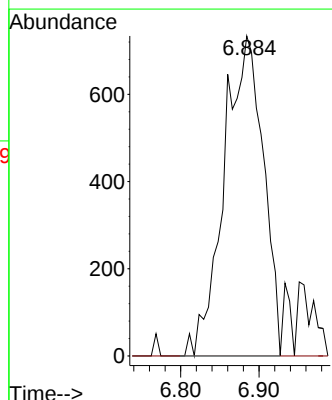
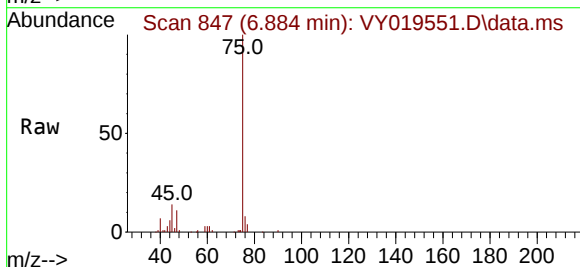
Acq: 13 Sep 2024 19:52

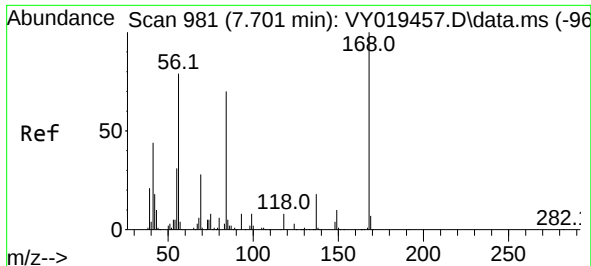
Tgt Ion: 77 Resp: 2556

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#

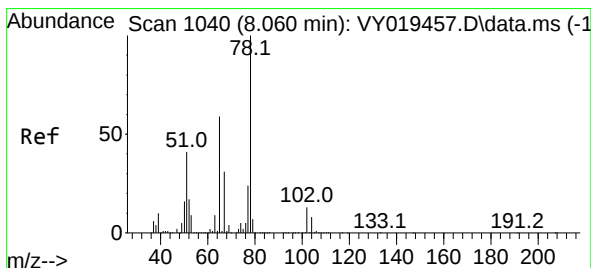
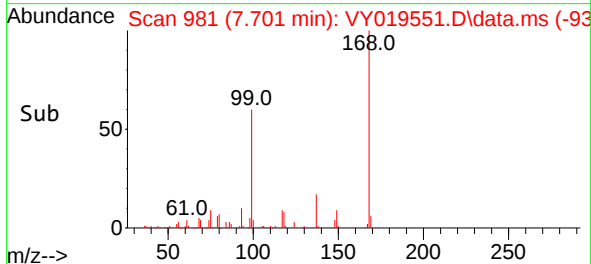
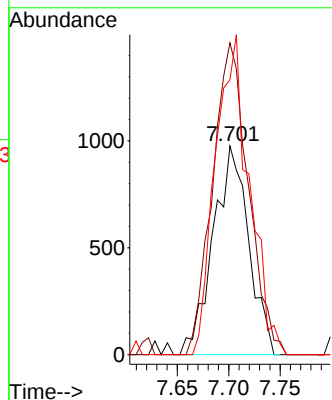
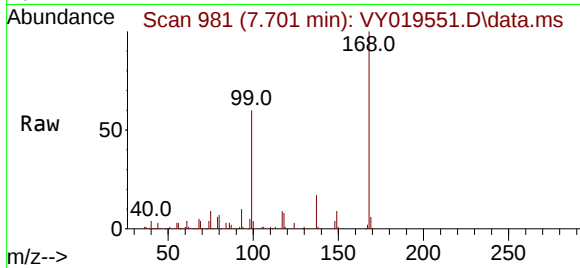




#31
Cyclohexane
Concen: 1.685 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

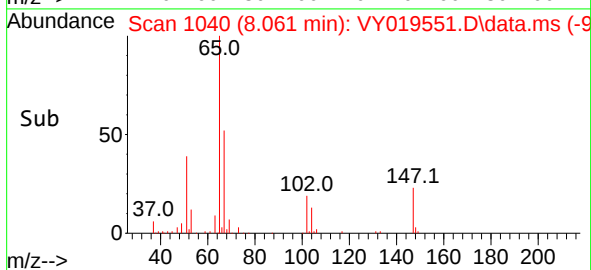
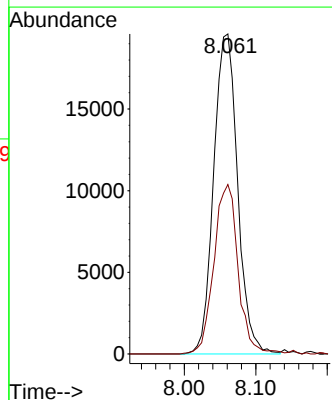
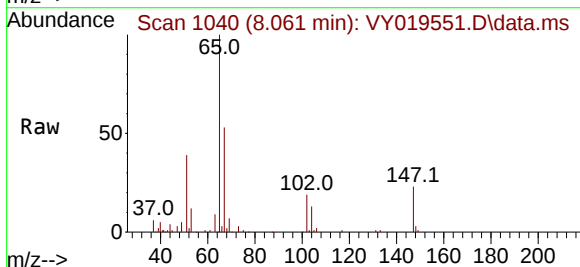
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

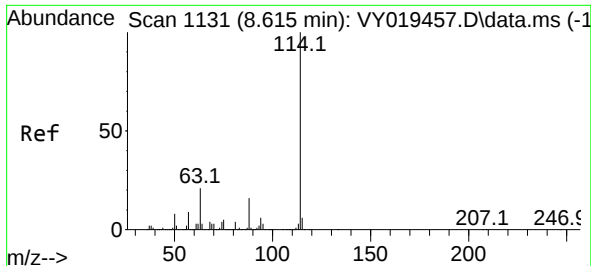
Tgt Ion: 56 Resp: 2343
Ion Ratio Lower Upper
56 100
69 149.5 28.7 43.1#
84 131.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 58.624 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

Tgt Ion: 65 Resp: 45541
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

VOCRE

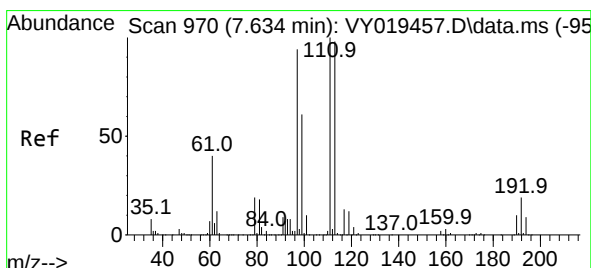
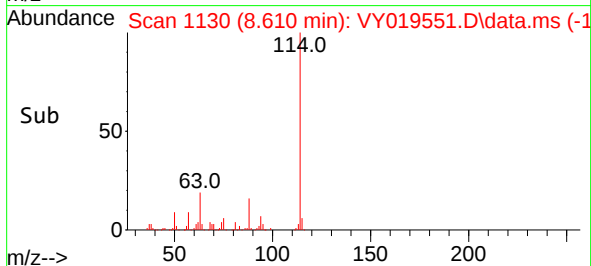
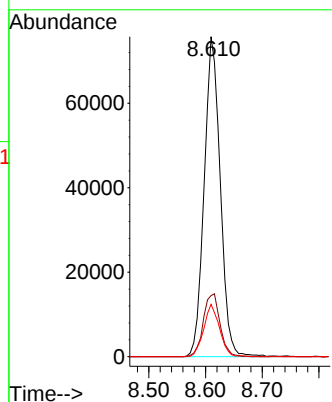
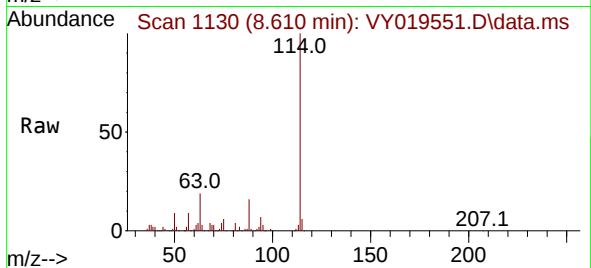
Tgt Ion:114 Resp: 149271

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 16.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.284 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

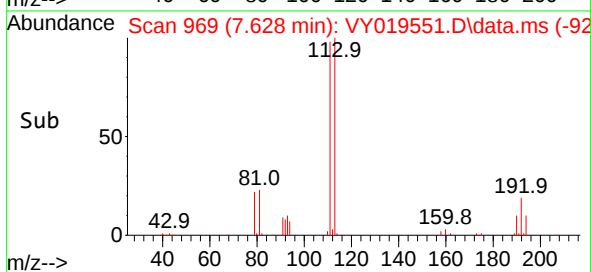
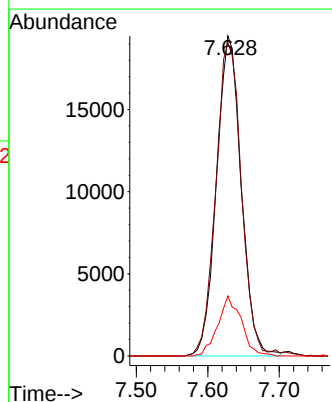
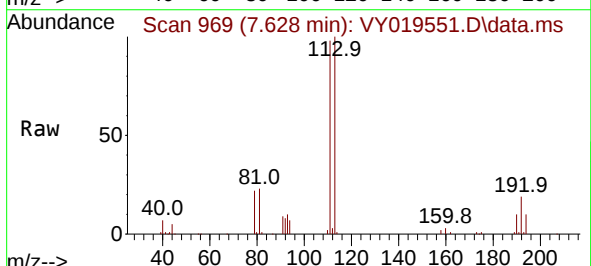
Tgt Ion:113 Resp: 46789

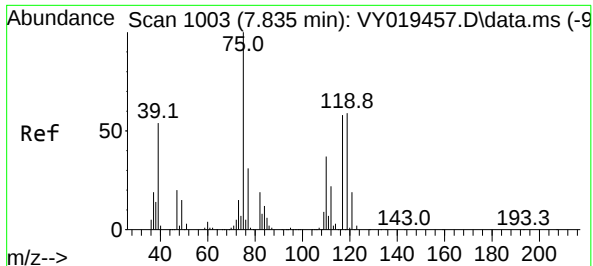
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.878 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

Instrument :

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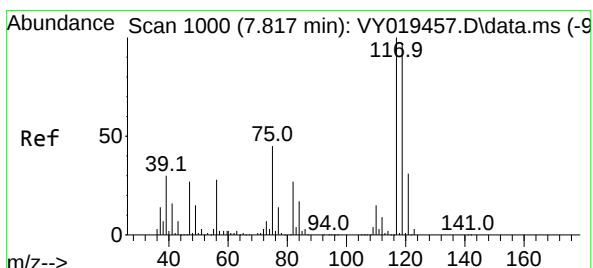
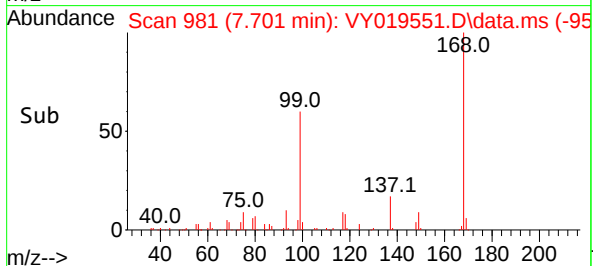
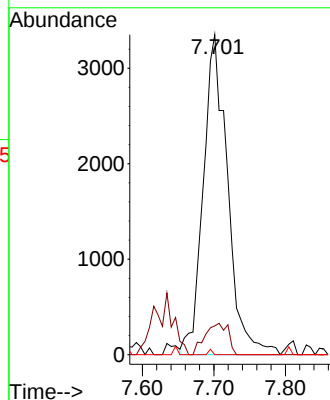
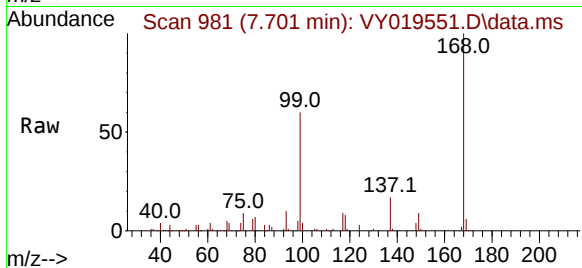
Tgt Ion: 75 Resp: 7921

Ion Ratio Lower Upper

75 100

110 9.4 19.0 57.0#

77 0.3 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.266 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY019551.D

Acq: 13 Sep 2024 19:52

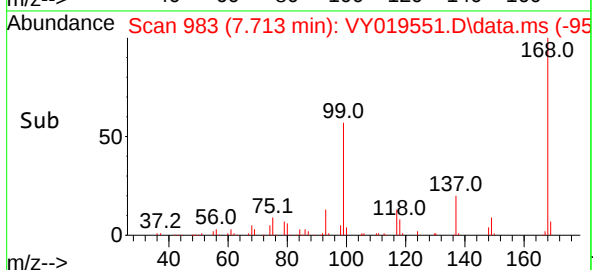
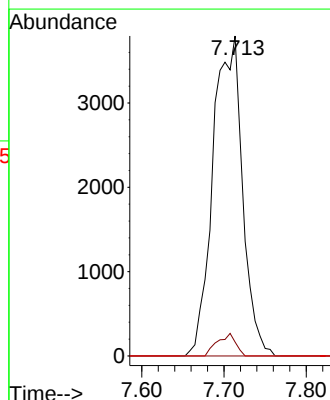
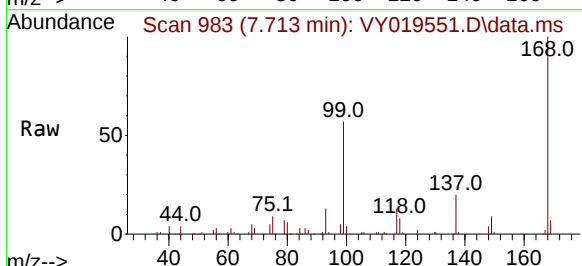
Tgt Ion: 117 Resp: 9436

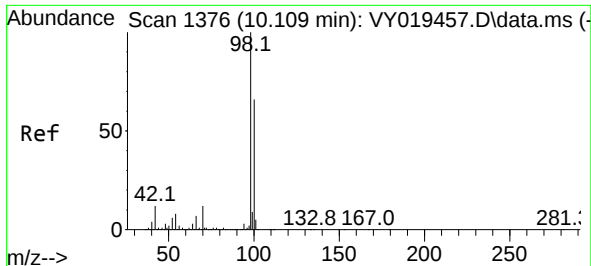
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

121 0.0 24.0 36.0#

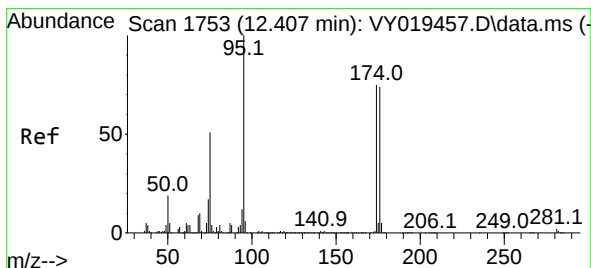
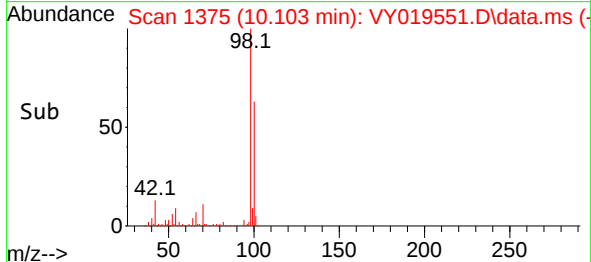
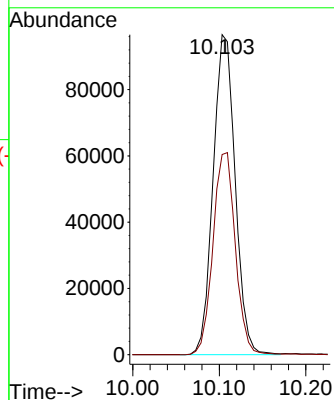
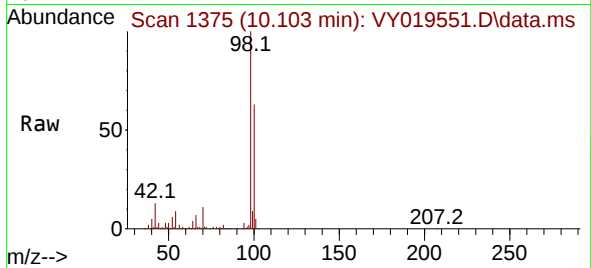




#50
Toluene-d8
Concen: 54.605 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

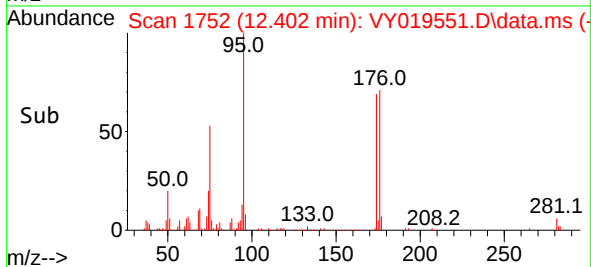
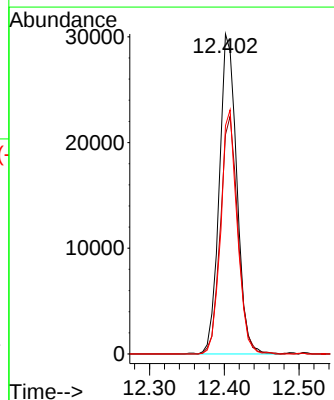
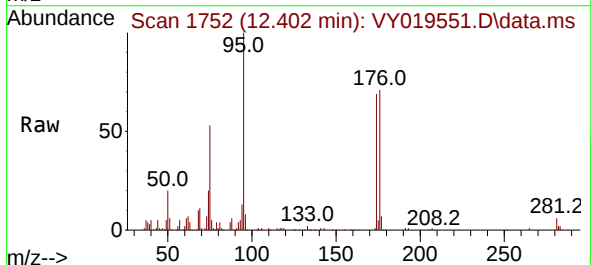
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

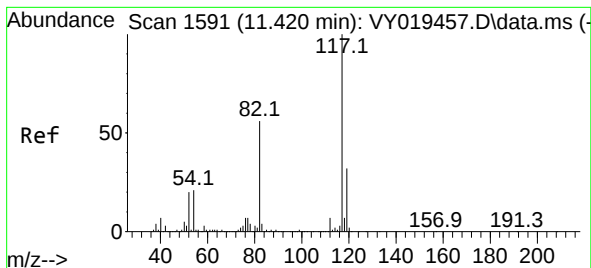
Tgt Ion: 98 Resp: 170937
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 40.941 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

Tgt Ion: 95 Resp: 49279
Ion Ratio Lower Upper
95 100
174 74.4 0.0 175.6
176 71.9 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: VY019551.D

Acq: 13 Sep 2024 19:52

Instrument :

MSVOA_Y

ClientSampleId :

VOCRE

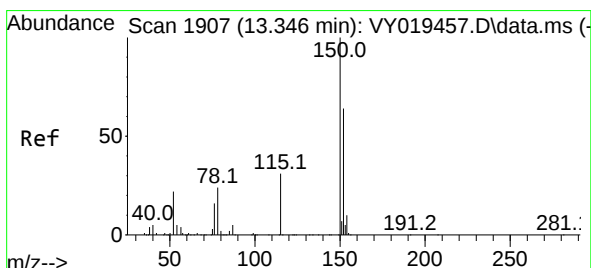
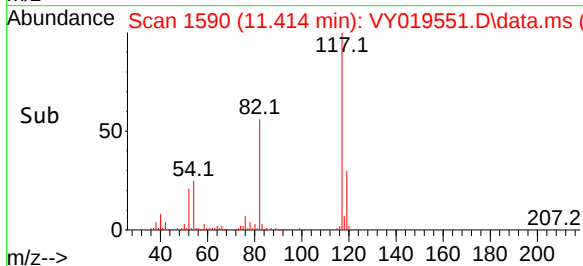
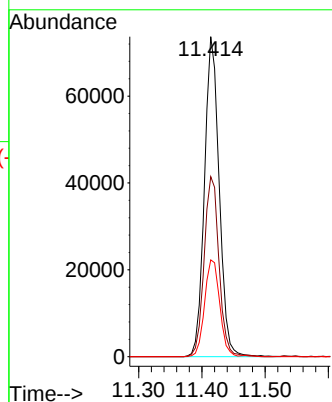
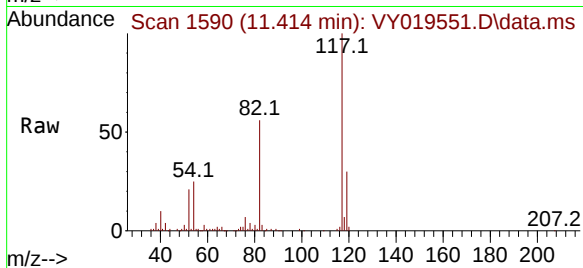
Tgt Ion:117 Resp: 119701

Ion Ratio Lower Upper

117 100

82 56.3 42.4 63.6

119 30.2 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: VY019551.D

Acq: 13 Sep 2024 19:52

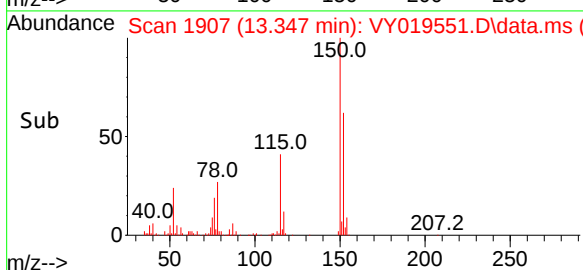
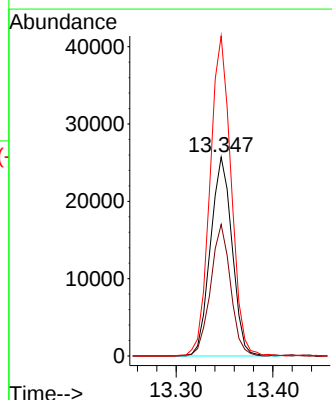
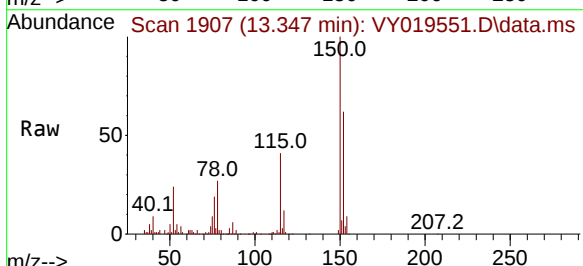
Tgt Ion:152 Resp: 39778

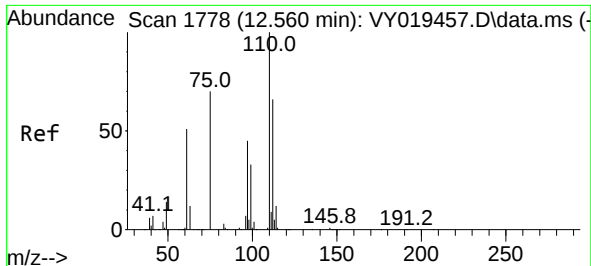
Ion Ratio Lower Upper

152 100

115 61.5 28.2 84.7

150 157.8 0.0 345.6

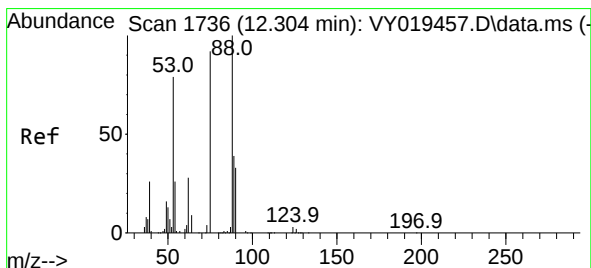
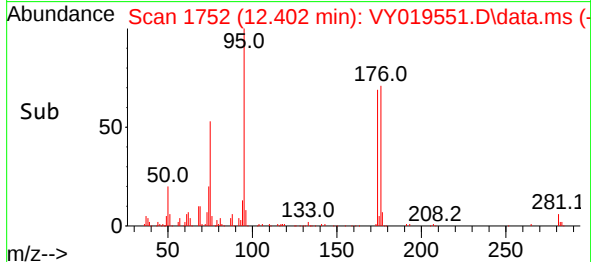
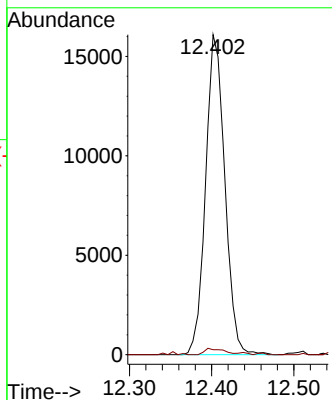
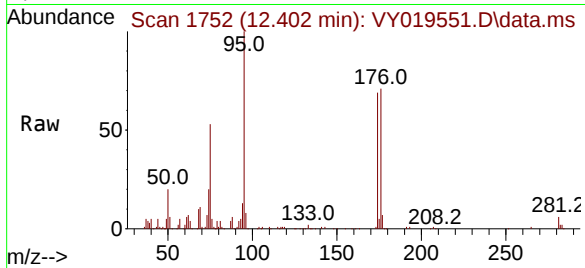




#76
1,2,3-Trichloropropane
Concen: 70.101 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

Tgt Ion: 75 Resp: 26136
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.573 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019551.D
Acq: 13 Sep 2024 19:52

Tgt Ion: 75 Resp: 26136
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#

