

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019553.D
 Acq On : 13 Sep 2024 20:39
 Operator : SY/MD
 Sample : P3989-06
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Sep 13 23:38:42 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

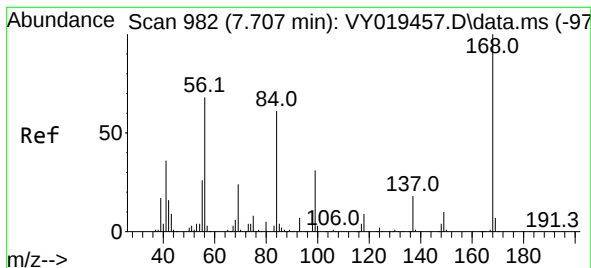
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	332739	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	642753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	574726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	202981	65.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.760%	
35) Dibromofluoromethane	7.628	113	205208	56.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.620%	
50) Toluene-d8	10.103	98	769551	57.091	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.180%	
62) 4-Bromofluorobenzene	12.407	95	255666	49.328	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 98.660%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	257	Below Cal	#	60
11) Tert butyl alcohol	4.823	59	1099	4.417	ug/l #	96
13) Acrolein	3.653	56	64	Below Cal	#	1
16) Acetone	3.866	43	9099	12.396	ug/l	87
20) Methylene Chloride	4.616	84	12712	3.797	ug/l #	93
25) 2-Butanone	6.884	43	5237	5.016	ug/l #	70
26) 2,2-Dichloropropane	6.878	77	5667	1.030	ug/l #	51
29) Tetrahydrofuran	7.250	42	763	1.202	ug/l #	84
31) Cyclohexane	7.701	56	8567	1.554	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	28986	5.845	ug/l #	49
38) Carbon Tetrachloride	7.701	117	37381	6.685	ug/l #	15
76) 1,2,3-Trichloropropane	12.401	75	136817	67.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	136817	129.744	ug/l #	16

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
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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# 9

Delta R.T. 0.000 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

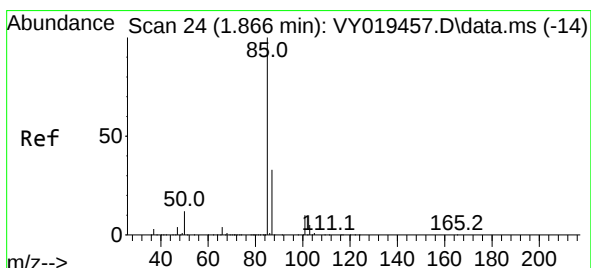
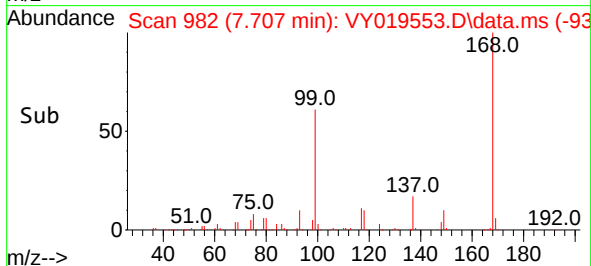
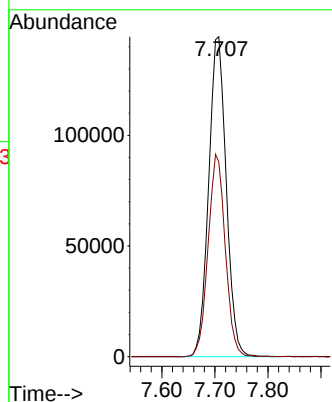
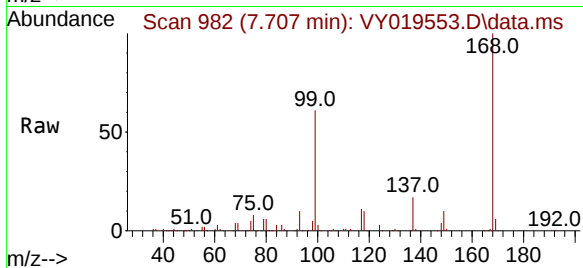
TP-3-VOC

Tgt Ion:168 Resp: 332739

Ion Ratio Lower Upper

168 100

99 60.9 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.867 min Scan# 24

Delta R.T. 0.001 min

Lab File: VY019553.D

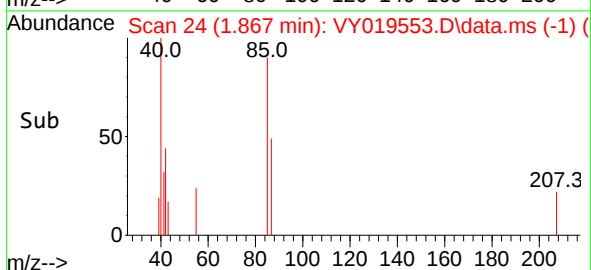
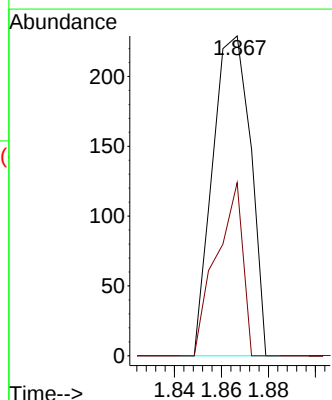
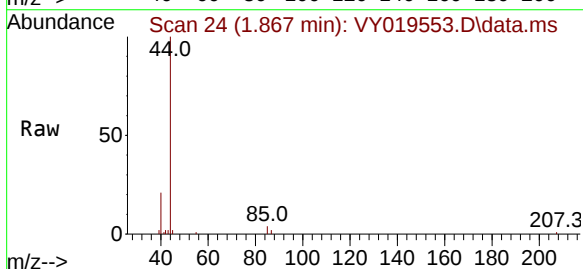
Acq: 13 Sep 2024 20:39

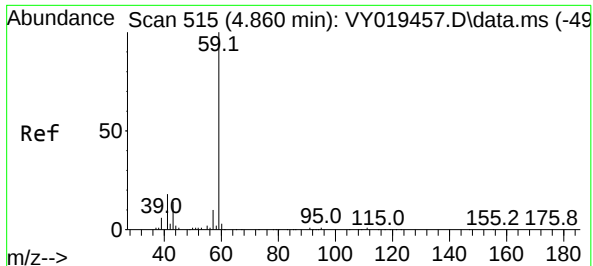
Tgt Ion: 85 Resp: 257

Ion Ratio Lower Upper

85 100

87 54.1 16.0 48.0#





#11

Tert butyl alcohol

Concen: 4.417 ug/l

RT: 4.823 min Scan# 509

Delta R.T. -0.036 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

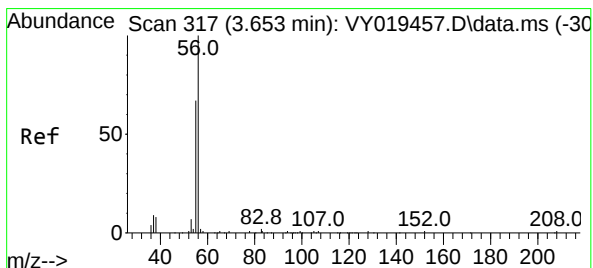
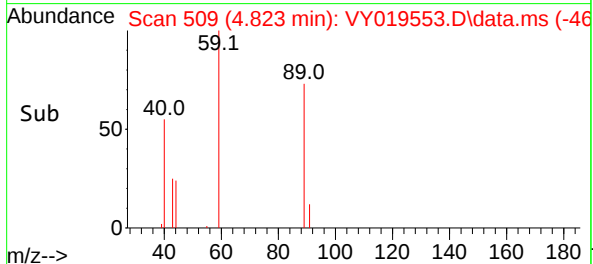
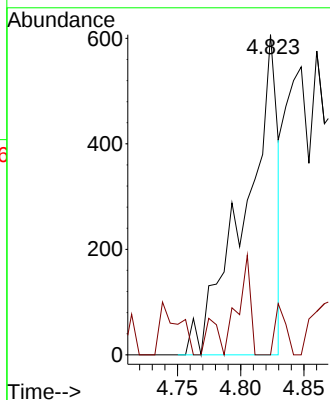
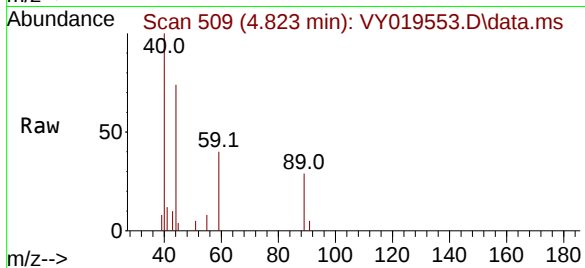
TP-3-VOC

Tgt Ion: 59 Resp: 1099

Ion Ratio Lower Upper

59 100

57 5.2 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY019553.D

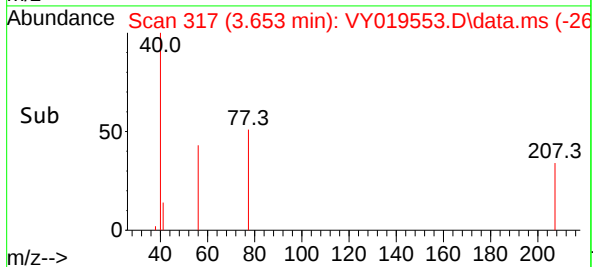
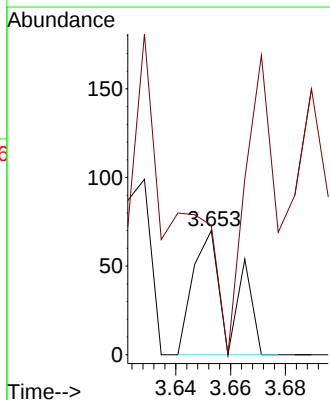
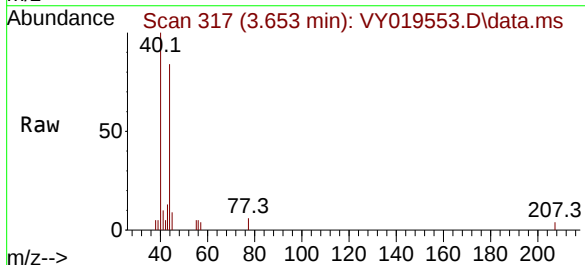
Acq: 13 Sep 2024 20:39

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 192.2 55.7 83.5#





#16

Acetone

Concen: 12.396 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

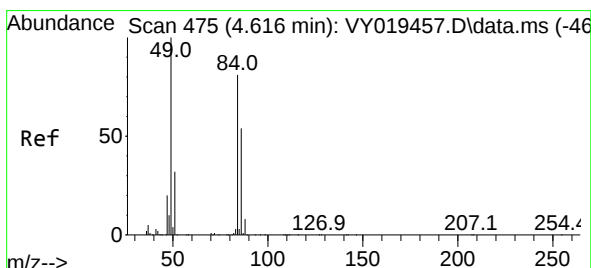
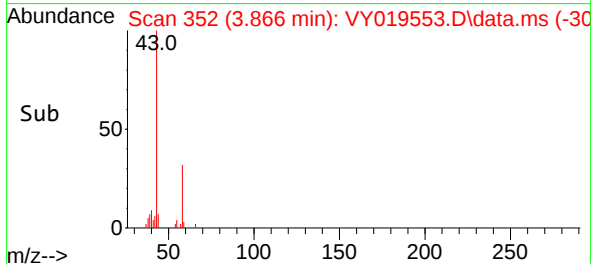
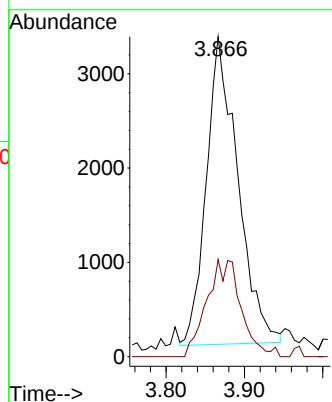
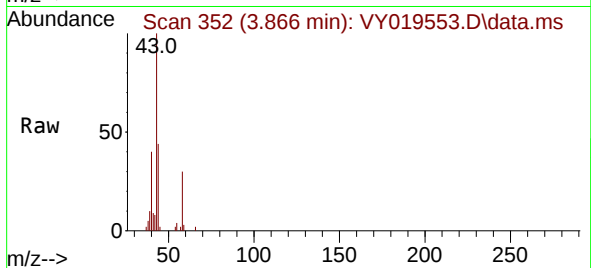
TP-3-VOC

Tgt Ion: 43 Resp: 9099

Ion Ratio Lower Upper

43 100

58 31.8 31.7 47.5



#20

Methylene Chloride

Concen: 3.797 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Tgt Ion: 84 Resp: 12712

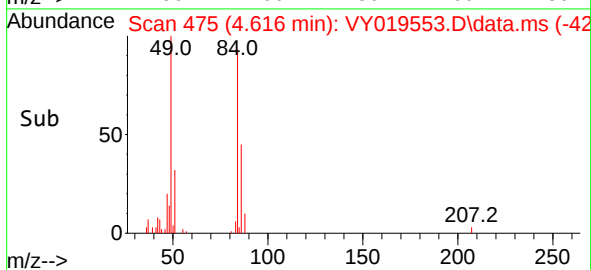
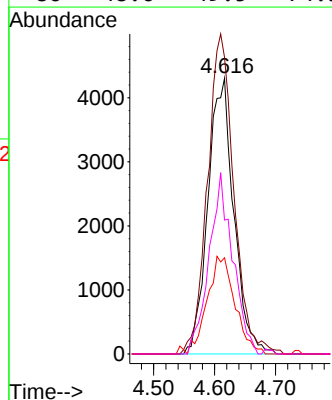
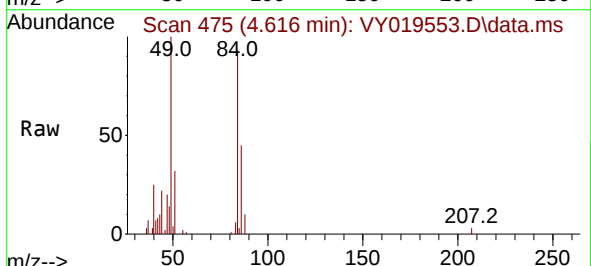
Ion Ratio Lower Upper

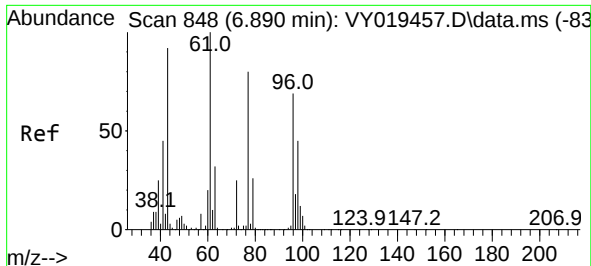
84 100

49 107.6 84.4 126.6

51 34.9 26.0 39.0

86 48.6 49.5 74.3





#25

2-Butanone

Concen: 5.016 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

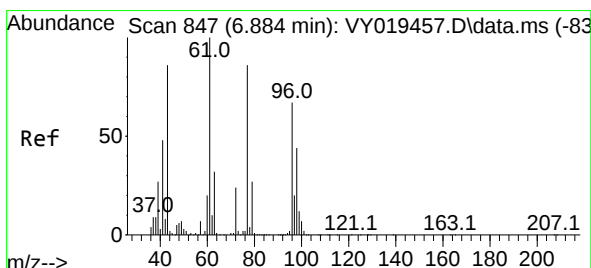
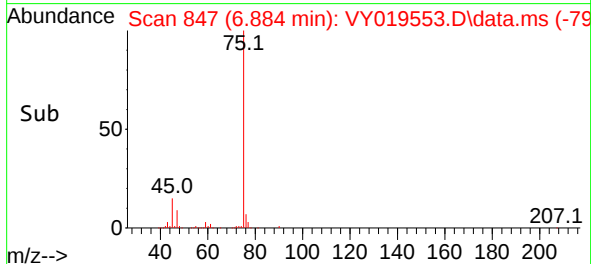
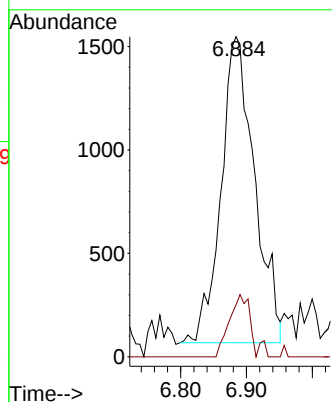
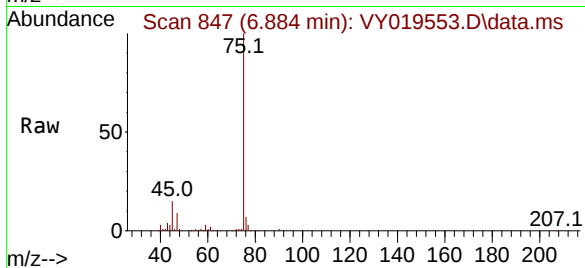
TP-3-VOC

Tgt Ion: 43 Resp: 5237

Ion Ratio Lower Upper

43 100

72 17.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.030 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY019553.D

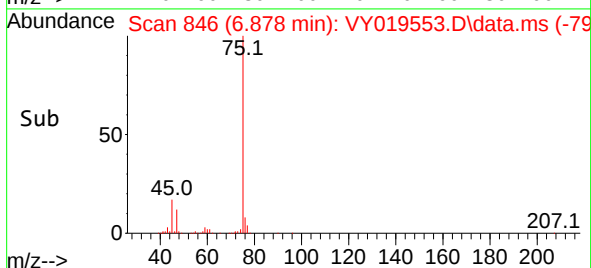
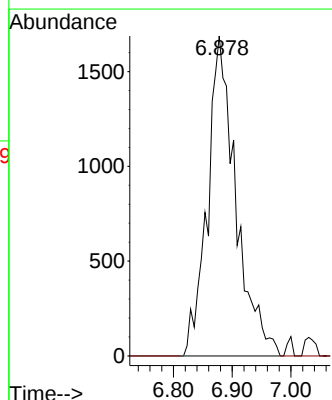
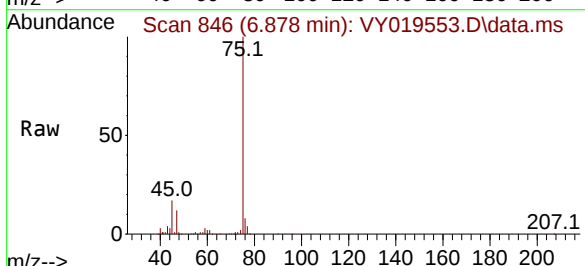
Acq: 13 Sep 2024 20:39

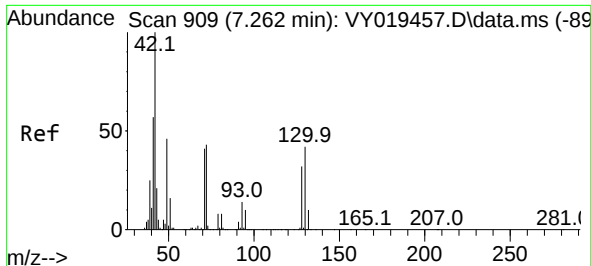
Tgt Ion: 77 Resp: 5667

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#





#29

Tetrahydrofuran

Concen: 1.202 ug/l

RT: 7.250 min Scan# 909

Delta R.T. -0.012 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

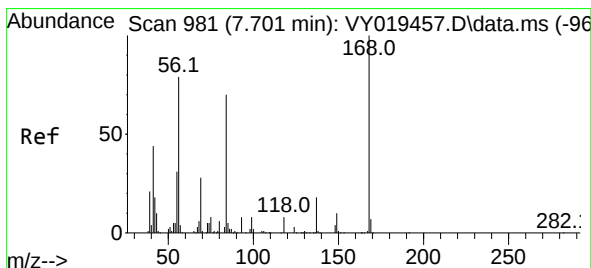
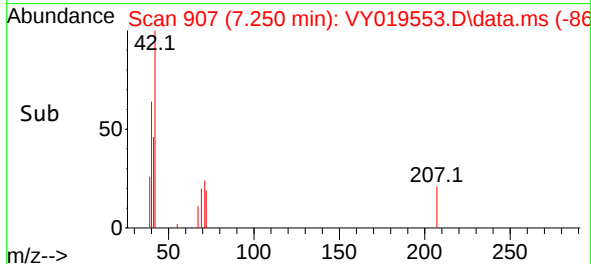
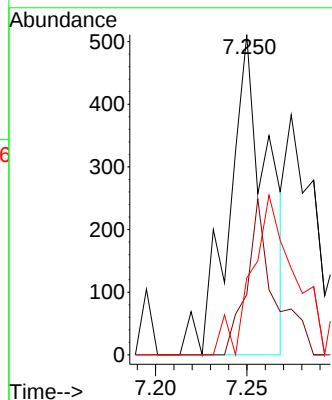
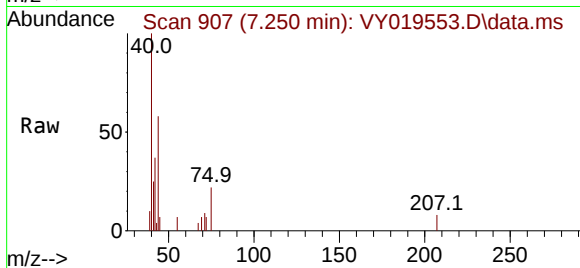
MSVOA_Y

ClientSampleId :

TP-3-VOC

Tgt Ion: 42 Resp: 763

Ion	Ratio	Lower	Upper
42	100		
72	34.1	43.0	64.4#
71	53.7	40.8	61.2



#31

Cyclohexane

Concen: 1.554 ug/l

RT: 7.701 min Scan# 981

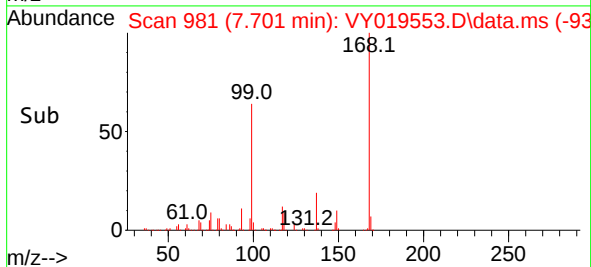
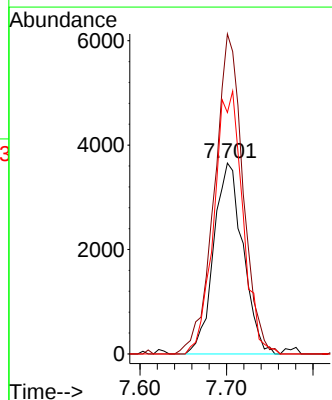
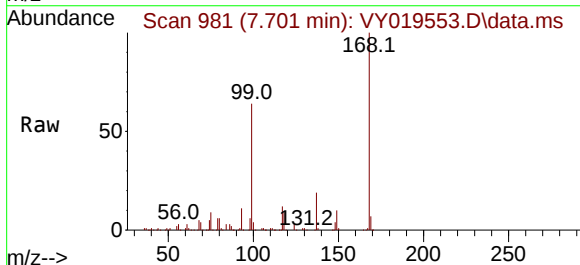
Delta R.T. 0.000 min

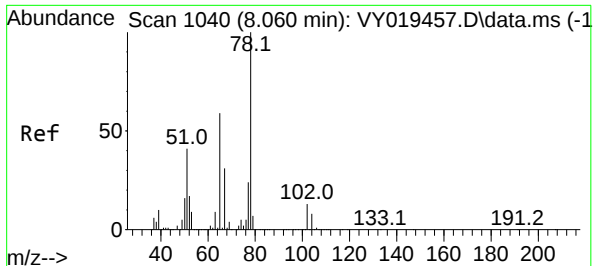
Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Tgt Ion: 56 Resp: 8567

Ion	Ratio	Lower	Upper
56	100		
69	167.6	28.7	43.1#
84	126.5	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 65.880 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

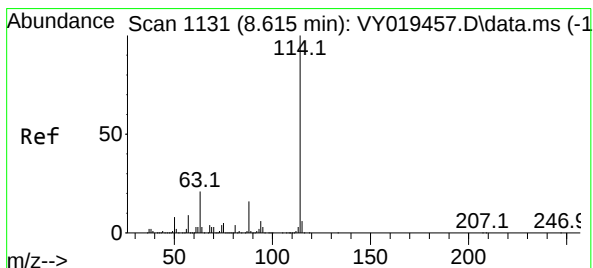
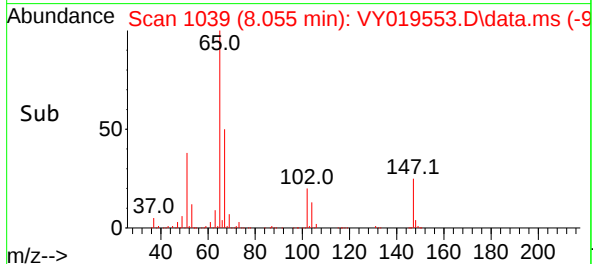
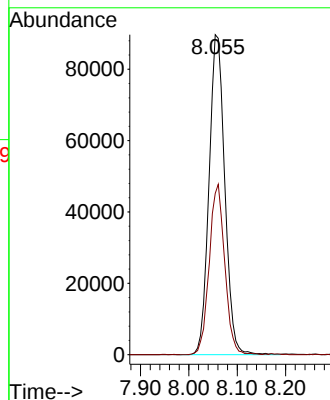
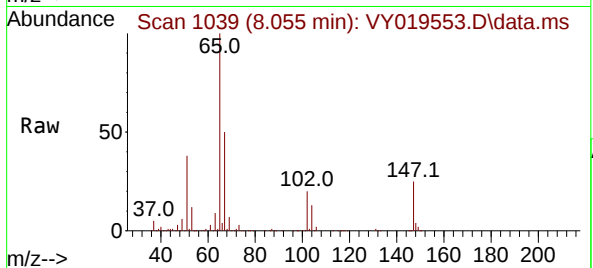
TP-3-VOC

Tgt Ion: 65 Resp: 202981

Ion Ratio Lower Upper

65 100

67 52.5 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: VY019553.D

Acq: 13 Sep 2024 20:39

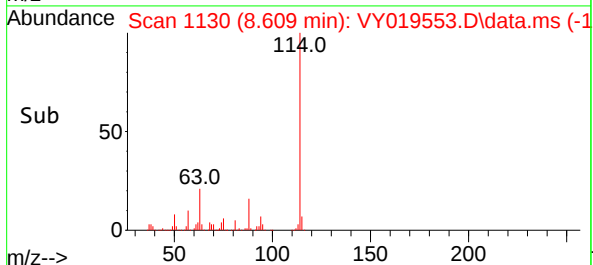
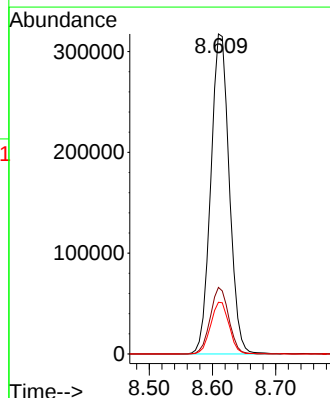
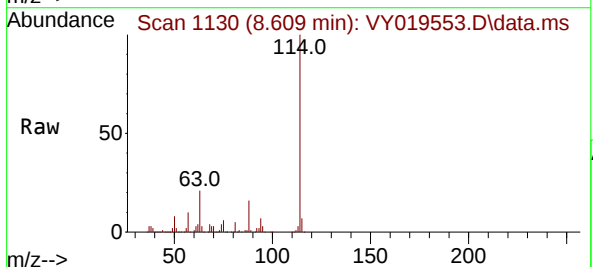
Tgt Ion: 114 Resp: 642753

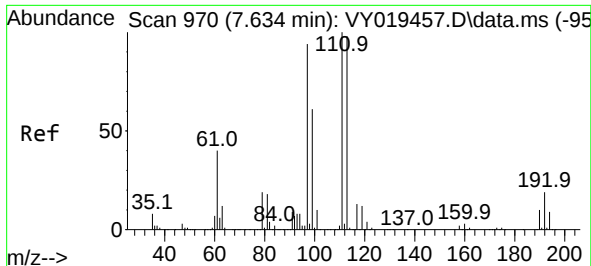
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 16.1 0.0 27.2

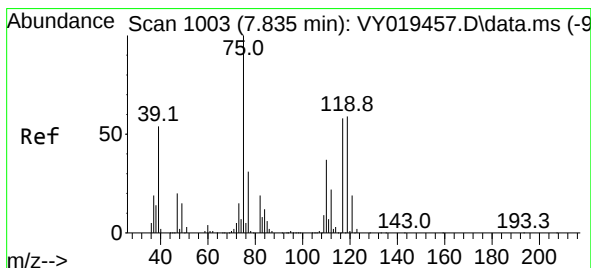
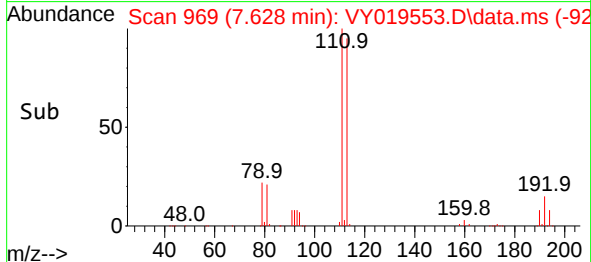
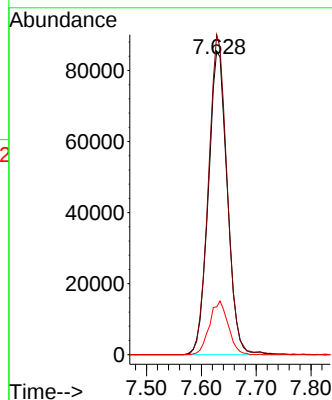
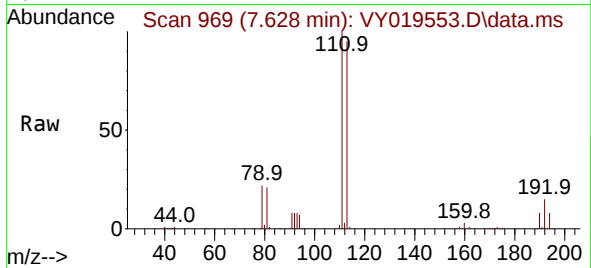




#35
Dibromofluoromethane
Concen: 56.309 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019553.D
Acq: 13 Sep 2024 20:39

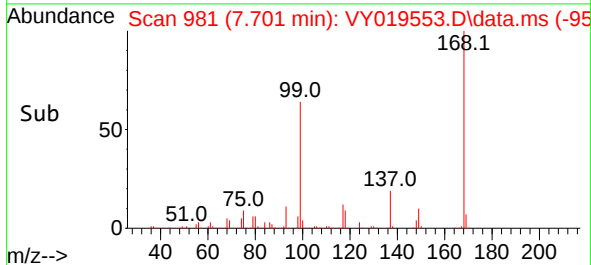
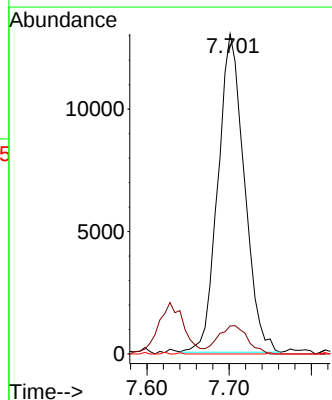
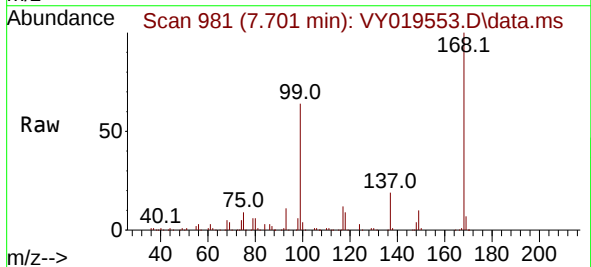
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

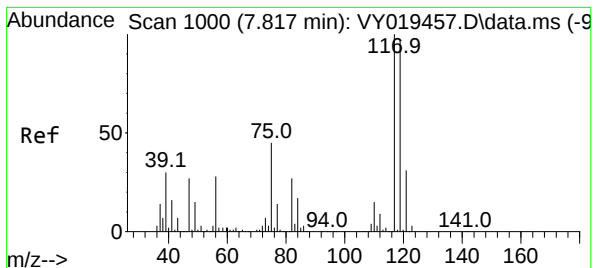
Tgt Ion:113 Resp: 205208
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 17.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.845 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019553.D
Acq: 13 Sep 2024 20:39

Tgt Ion: 75 Resp: 28986
Ion Ratio Lower Upper
75 100
110 9.8 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.685 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

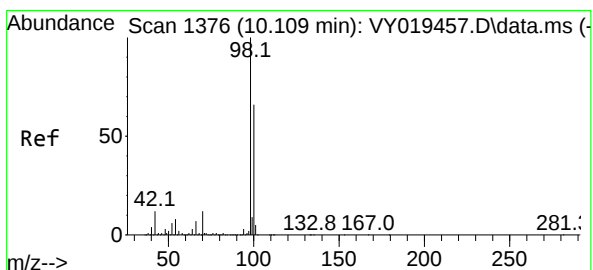
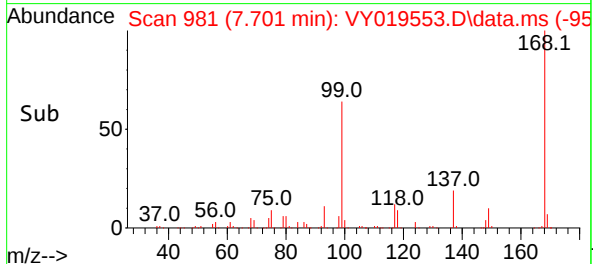
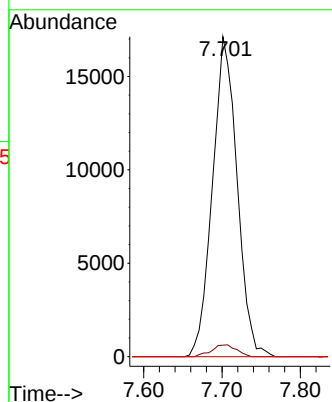
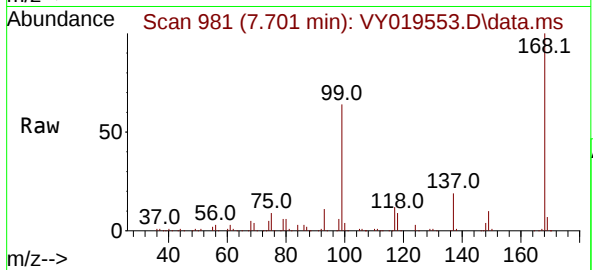
Tgt Ion:117 Resp: 37381

Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 57.091 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019553.D

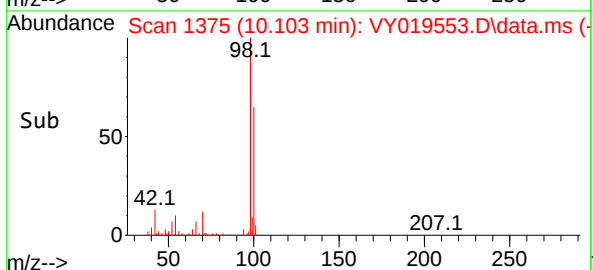
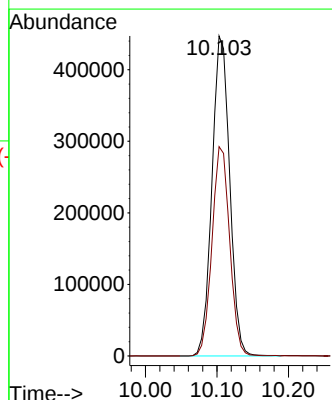
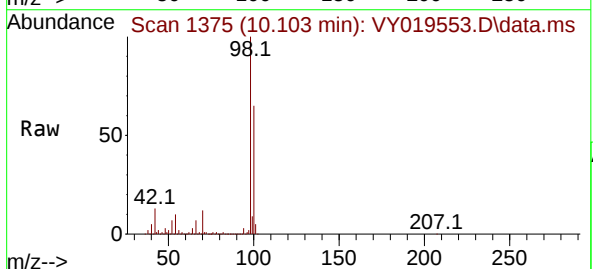
Acq: 13 Sep 2024 20:39

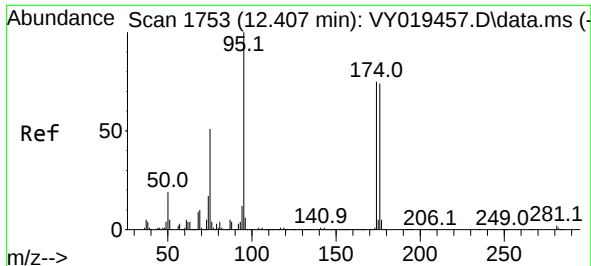
Tgt Ion: 98 Resp: 769551

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

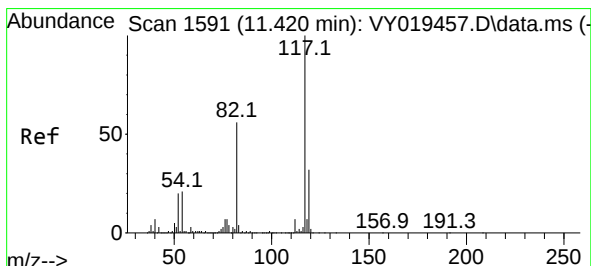
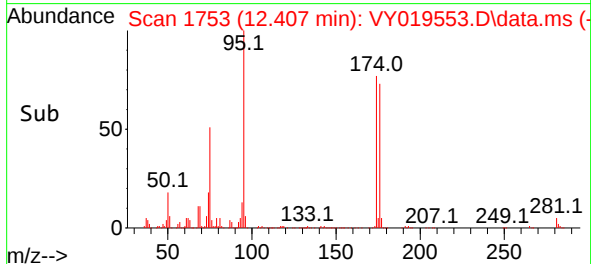
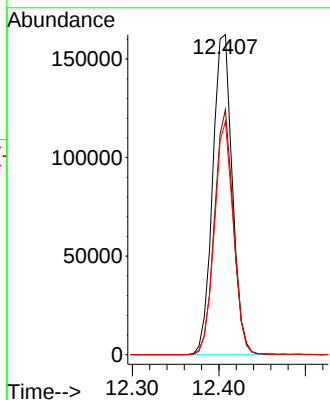
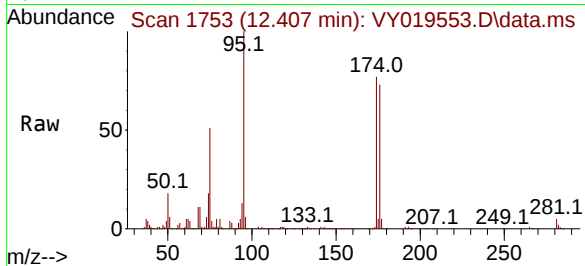




#62
4-Bromofluorobenzene
Concen: 49.328 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019553.D
Acq: 13 Sep 2024 20:39

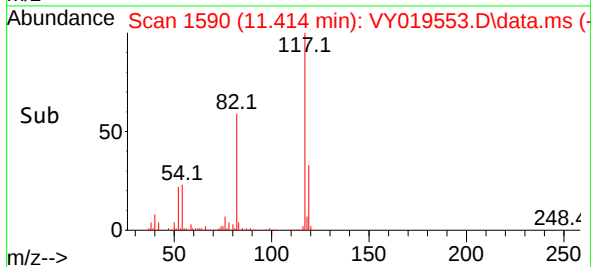
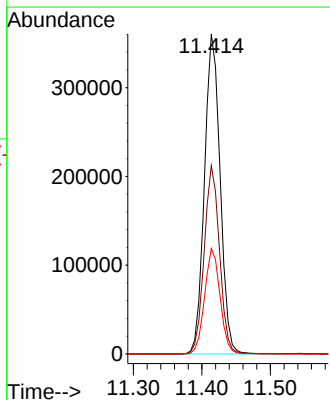
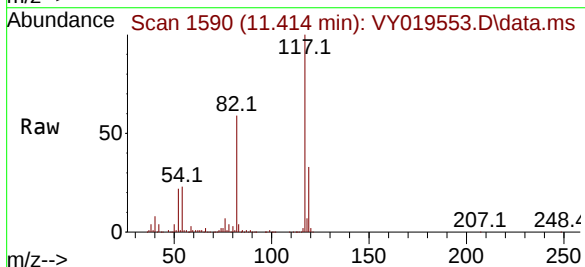
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

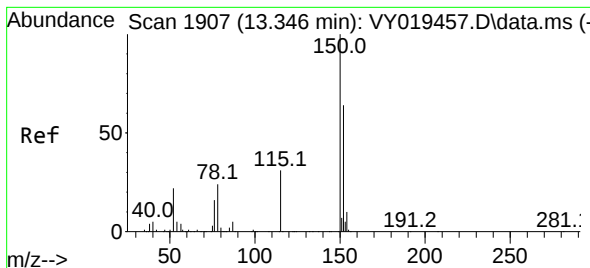
Tgt Ion: 95 Resp: 255666
Ion Ratio Lower Upper
95 100
174 73.8 0.0 175.6
176 70.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019553.D
Acq: 13 Sep 2024 20:39

Tgt Ion: 117 Resp: 574726
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 33.0 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: VY019553.D

Acq: 13 Sep 2024 20:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

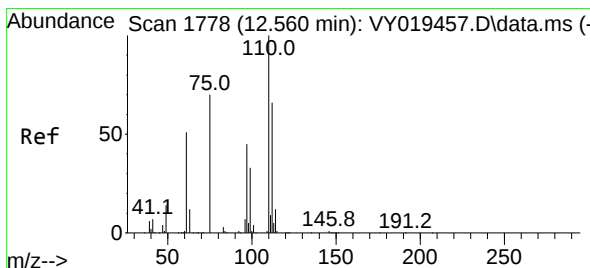
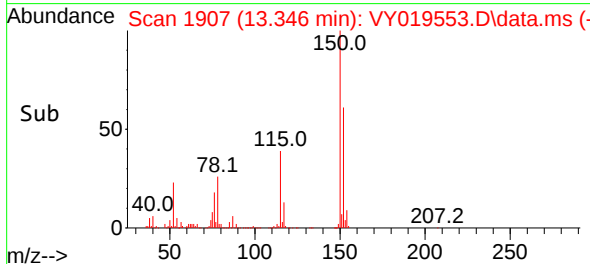
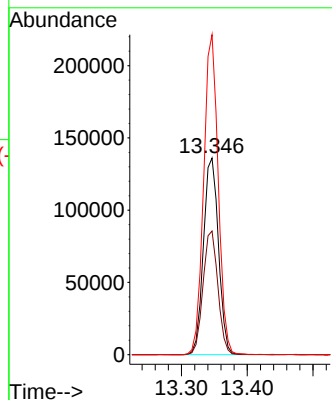
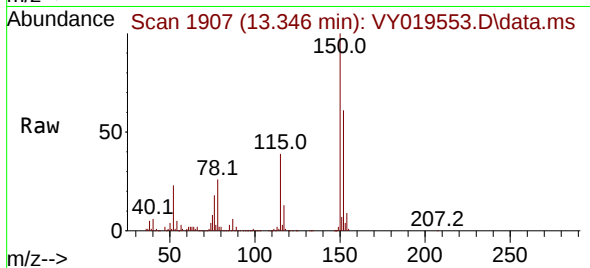
Tgt Ion:152 Resp: 215981

Ion Ratio Lower Upper

152 100

115 62.4 28.2 84.7

150 157.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.585 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019553.D

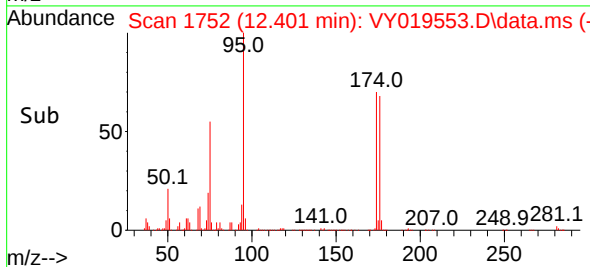
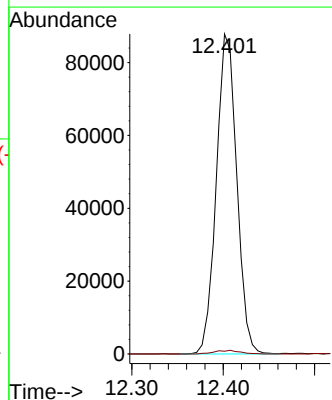
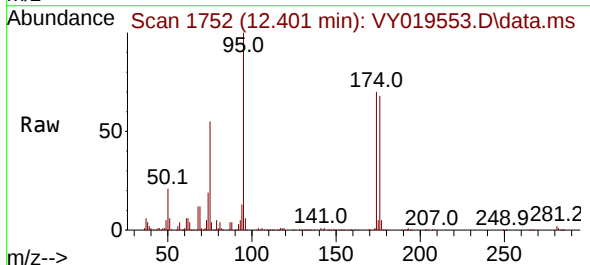
Acq: 13 Sep 2024 20:39

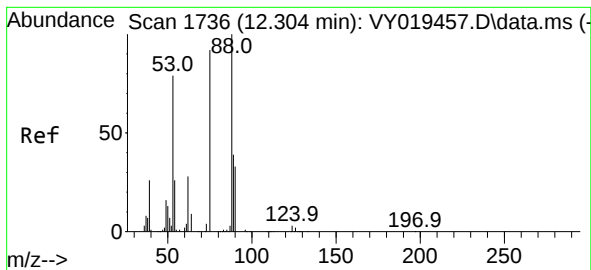
Tgt Ion: 75 Resp: 136817

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.744 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019553.D
 Acq: 13 Sep 2024 20:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Tgt Ion: 75 Resp: 136817
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.1 35.8 53.6#

