

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021043.D
 Acq On : 03 Feb 2025 20:31
 Operator : SY/MD
 Sample : Q1207-09
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-4.5-012725

Quant Time: Feb 04 01:00:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

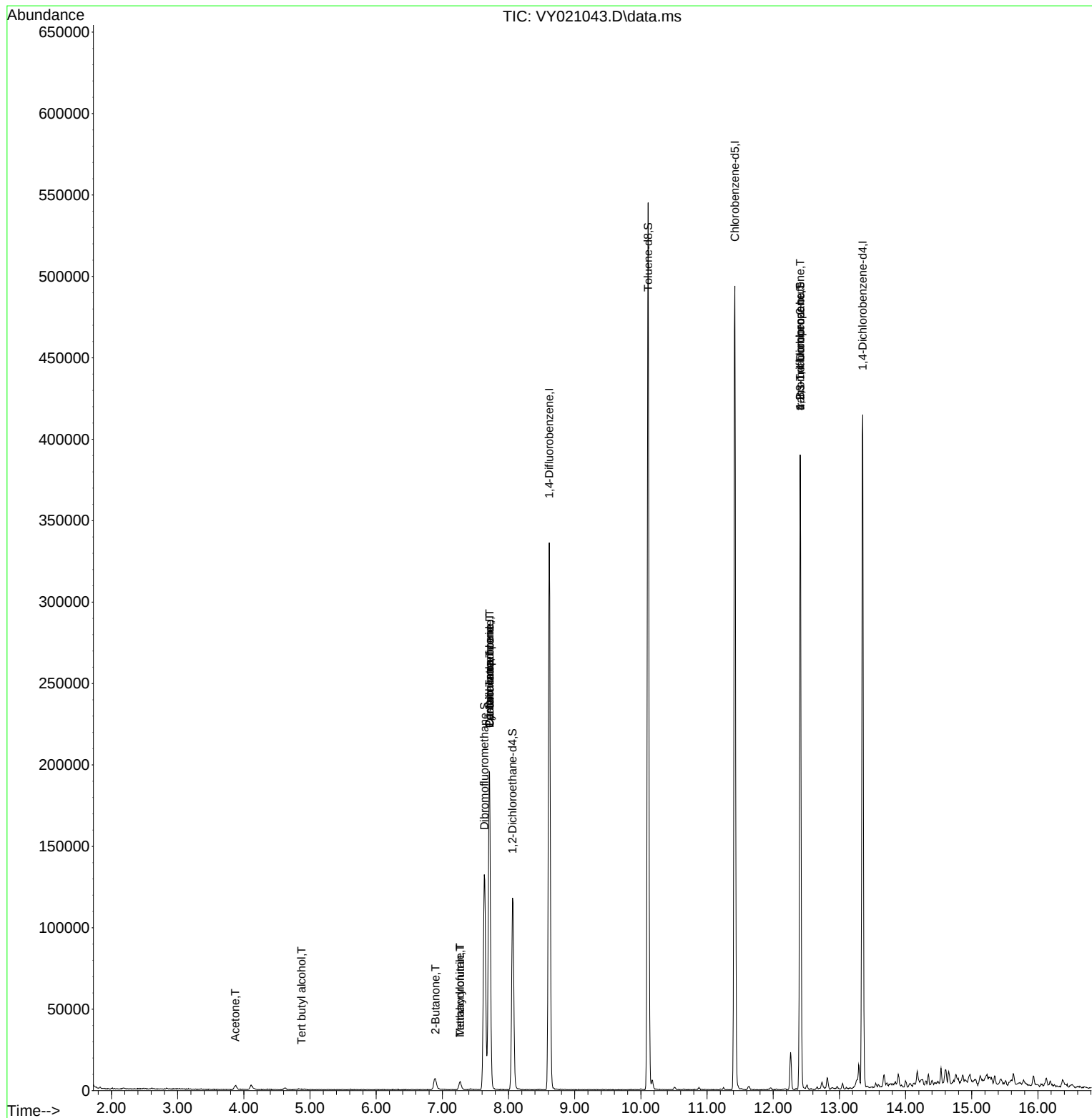
Internal Standards						
1) Pentafluorobenzene	7.713	168	150159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	279067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	254825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	103960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94579	61.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.940%	
35) Dibromofluoromethane	7.634	113	94924	53.076	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.160%	
50) Toluene-d8	10.109	98	338079	49.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.300%	
62) 4-Bromofluorobenzene	12.408	95	108833	48.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	143	1.372	ug/l #	75
16) Acetone	3.873	43	4520	18.839	ug/l	95
25) 2-Butanone	6.896	43	893	2.265	ug/l #	48
29) Tetrahydrofuran	7.268	42	3974	14.896	ug/l	93
31) Cyclohexane	7.713	56	3347	1.275	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	11888	4.488	ug/l #	51
38) Carbon Tetrachloride	7.713	117	15505	5.009	ug/l #	15
41) Methacrylonitrile	7.268	41	2469	3.672	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	59815	63.427	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	59815	129.422	ug/l #	12

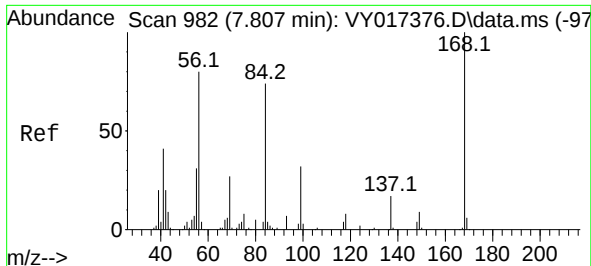
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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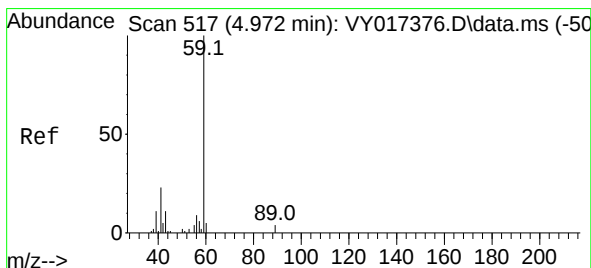
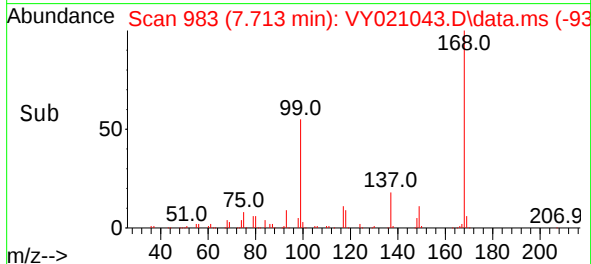
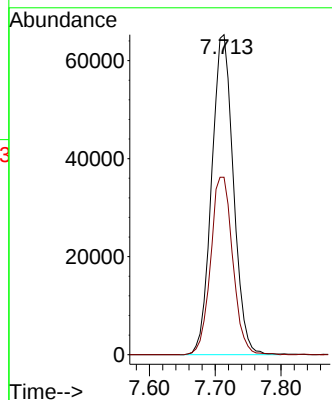
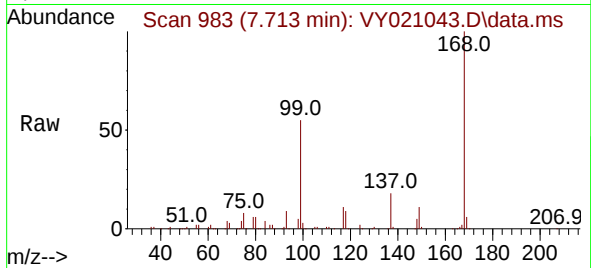




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021043.D
Acq: 03 Feb 2025 20:31

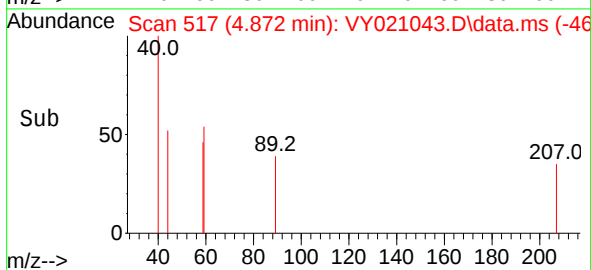
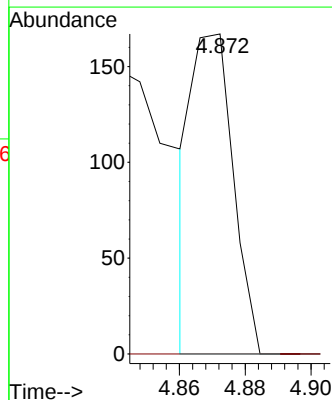
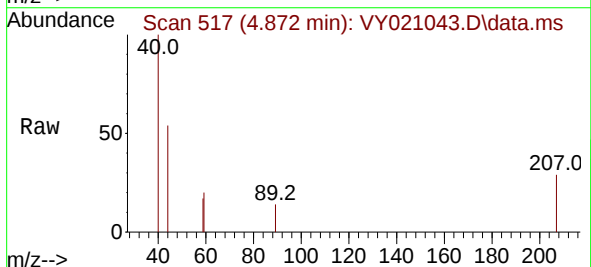
Instrument :
MSVOA_Y
ClientSampleId :
JPP-4.5-012725

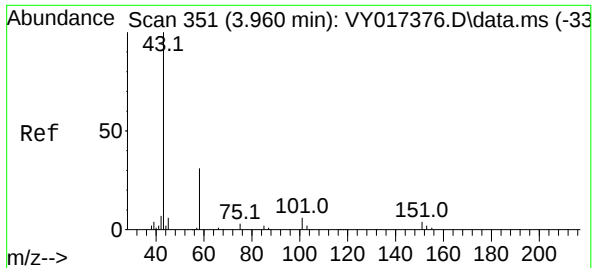
Tgt Ion:168 Resp: 150159
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.372 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021043.D
Acq: 03 Feb 2025 20:31

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

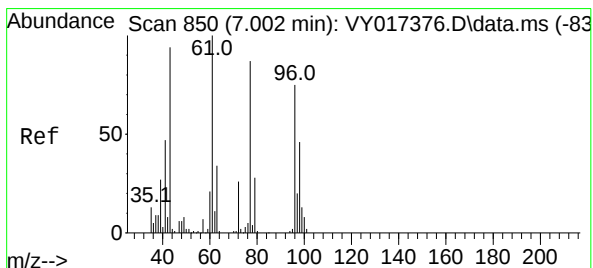
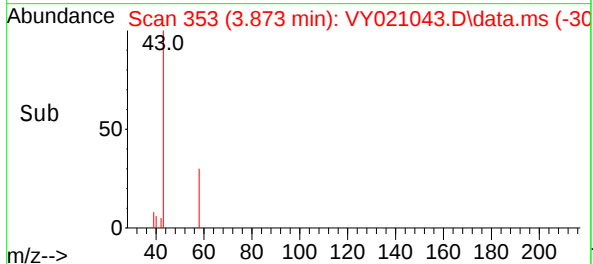
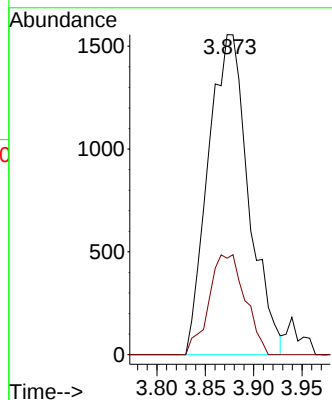
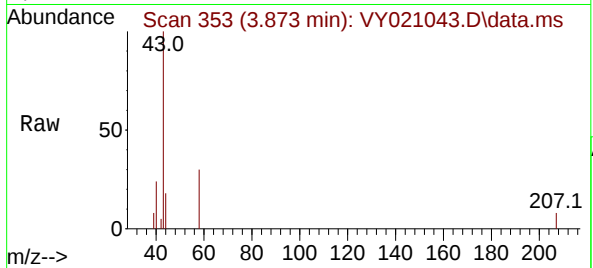




#16
Acetone
Concen: 18.839 ug/l
RT: 3.873 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021043.D
Acq: 03 Feb 2025 20:31

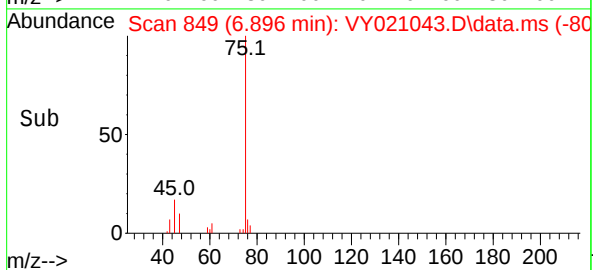
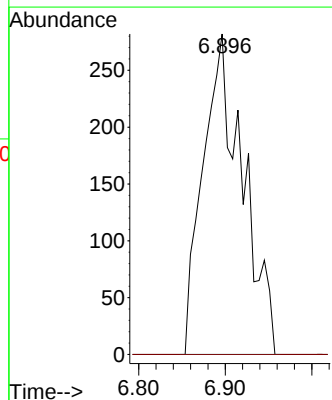
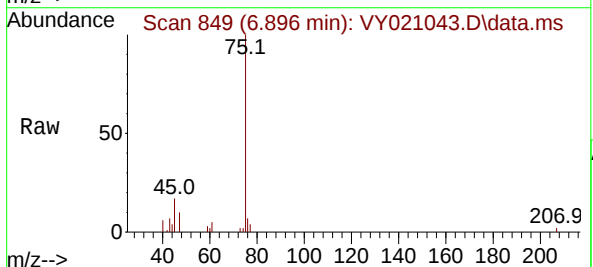
Instrument :
MSVOA_Y
ClientSampleId :
JPP-4.5-012725

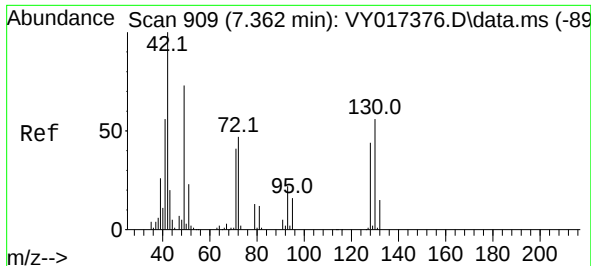
Tgt Ion: 43 Resp: 4520
Ion Ratio Lower Upper
43 100
58 30.1 26.6 39.8



#25
2-Butanone
Concen: 2.265 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021043.D
Acq: 03 Feb 2025 20:31

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#





#29

Tetrahydrofuran

Concen: 14.896 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Instrument :

MSVOA_Y

ClientSampleId :

JPP-4.5-012725

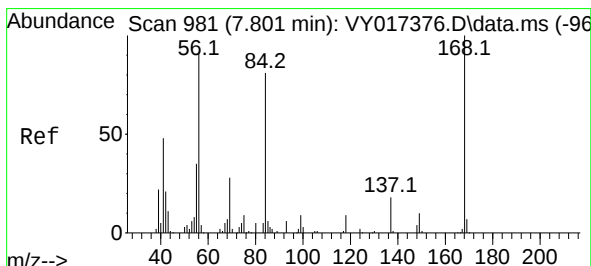
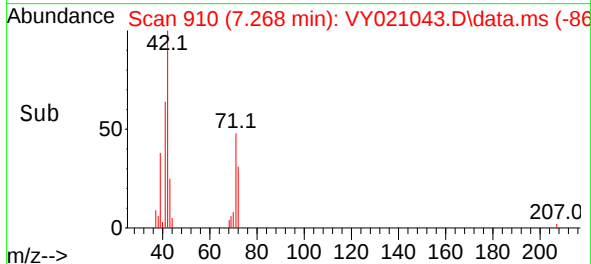
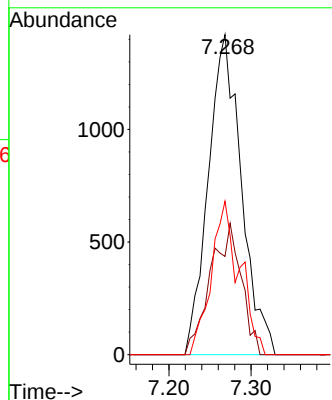
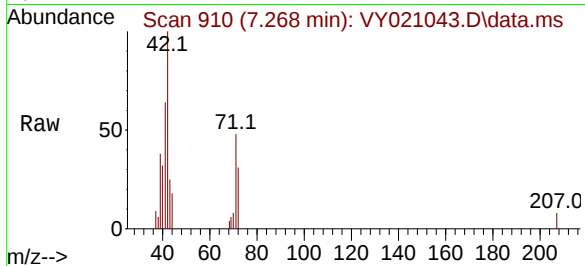
Tgt Ion: 42 Resp: 3974

Ion Ratio Lower Upper

42 100

72 38.1 36.6 54.8

71 41.2 33.8 50.6



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

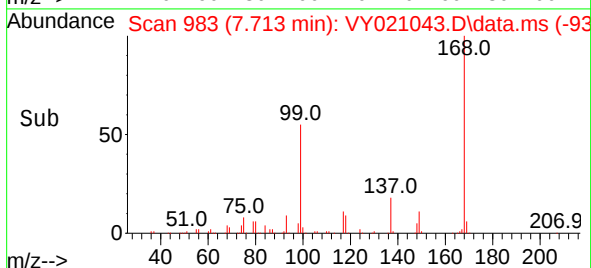
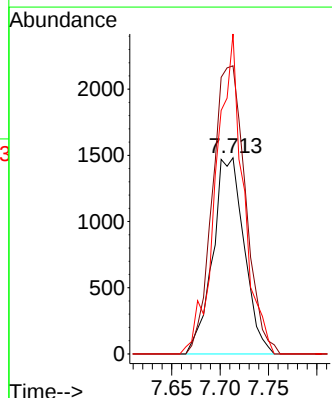
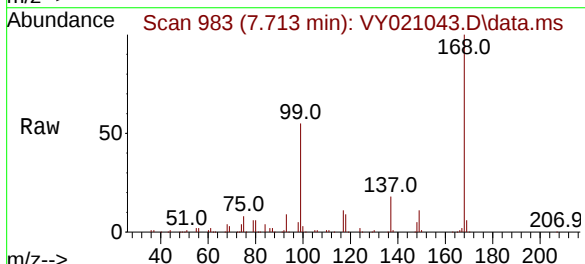
Tgt Ion: 56 Resp: 3347

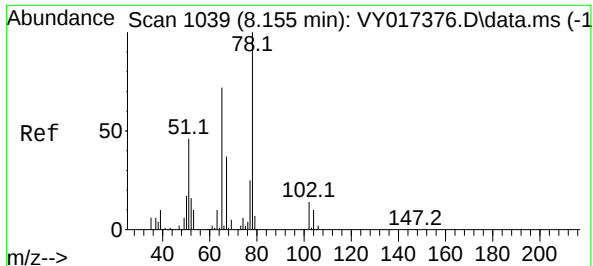
Ion Ratio Lower Upper

56 100

69 146.9 27.0 40.6#

84 163.2 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 61.475 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Instrument :

MSVOA_Y

ClientSampleId :

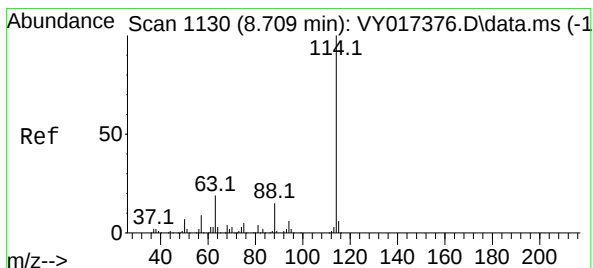
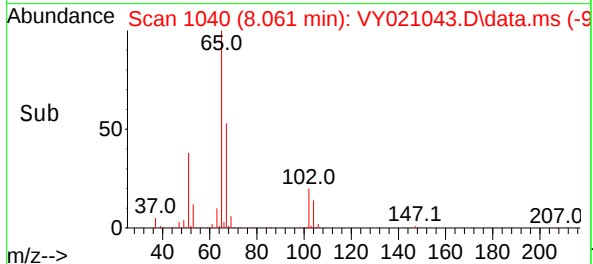
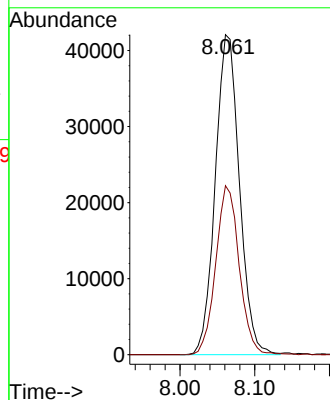
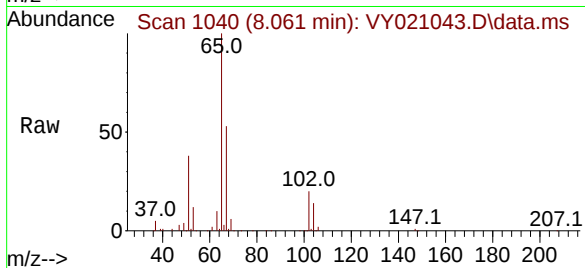
JPP-4.5-012725

Tgt Ion: 65 Resp: 94579

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

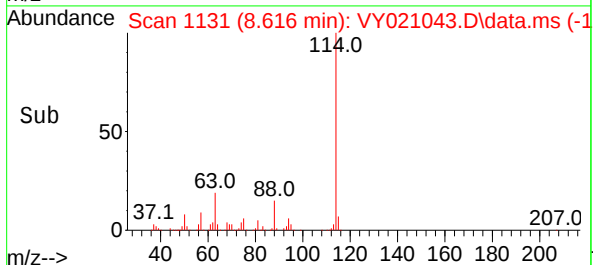
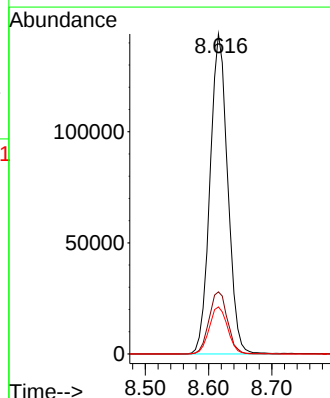
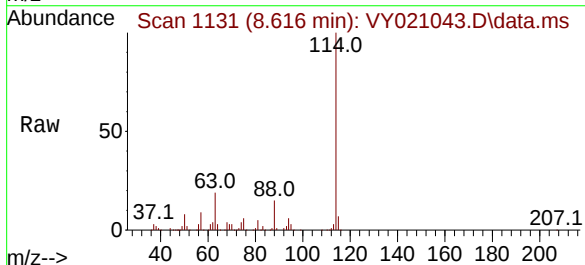
Tgt Ion:114 Resp: 279067

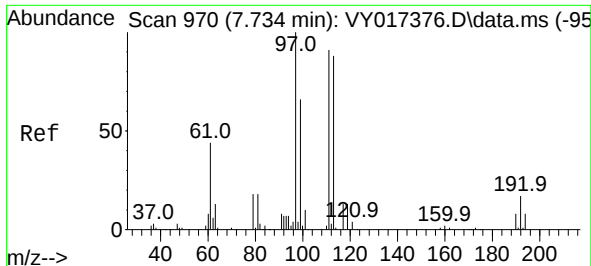
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.076 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Instrument :

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ClientSampleId :

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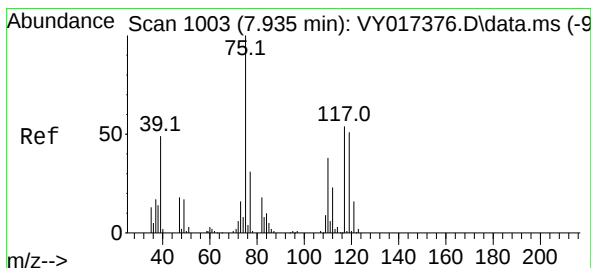
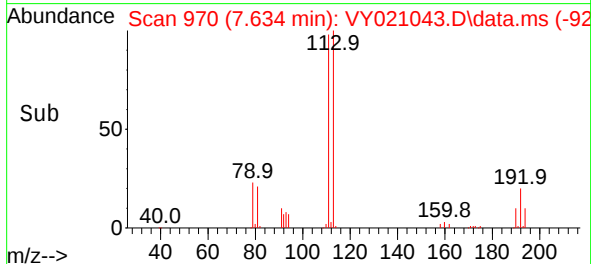
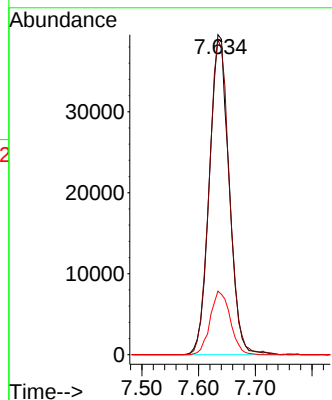
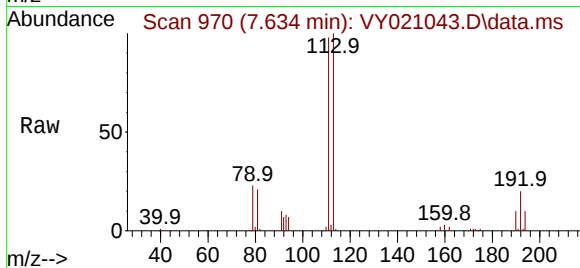
Tgt Ion:113 Resp: 94924

Ion Ratio Lower Upper

113 100

111 101.0 83.8 125.6

192 20.3 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

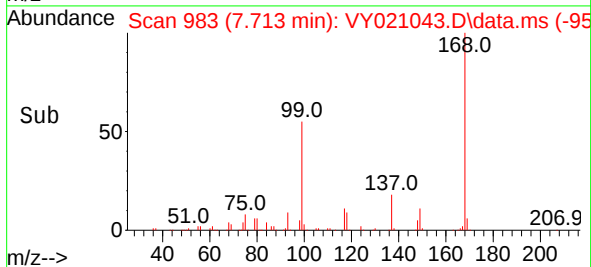
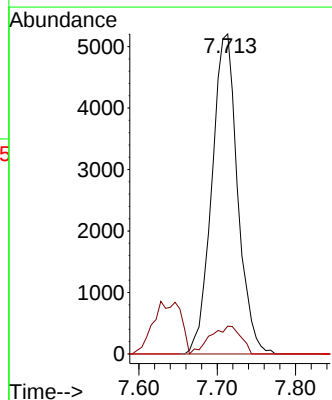
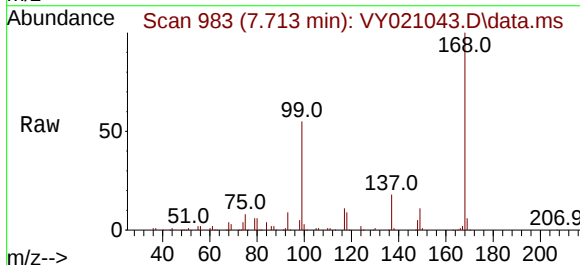
Tgt Ion: 75 Resp: 11888

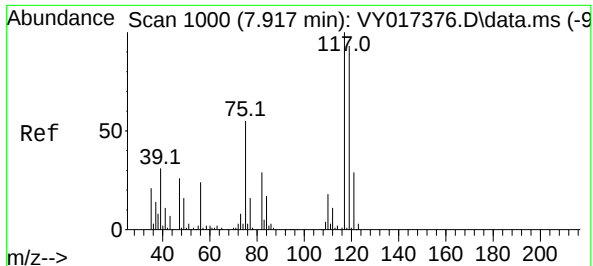
Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.009 ug/l

RT: 7.713 min Scan# 910

Delta R.T. -0.110 min

Lab File: VY021043.D

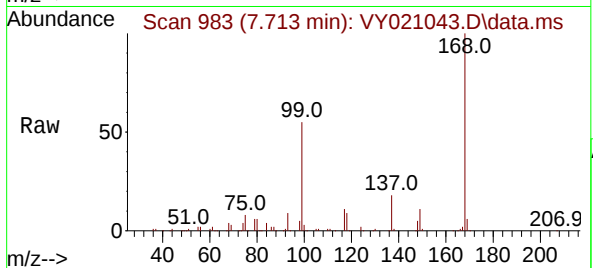
Acq: 03 Feb 2025 20:31

Instrument :

MSVOA_Y

ClientSampleId :

JPP-4.5-012725



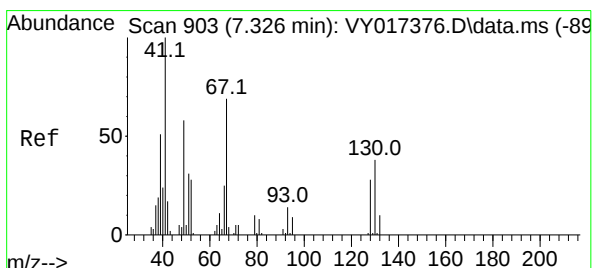
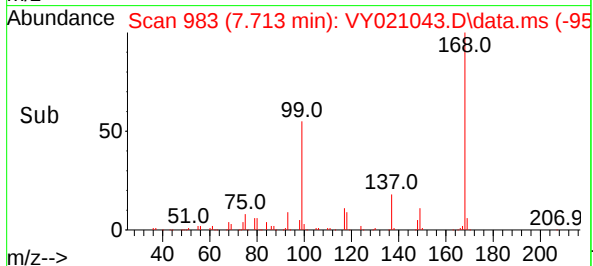
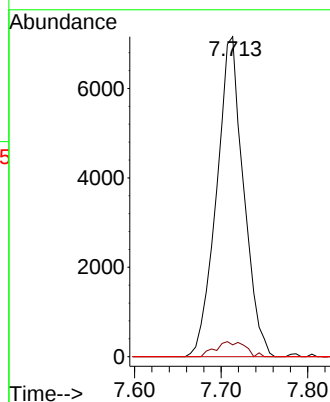
Tgt Ion:117 Resp: 15505

Ion Ratio Lower Upper

117 100

119 3.7 76.0 114.0#

121 0.0 24.2 36.2#



#41

Methacrylonitrile

Concen: 3.672 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.043 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Tgt Ion: 41 Resp: 2469

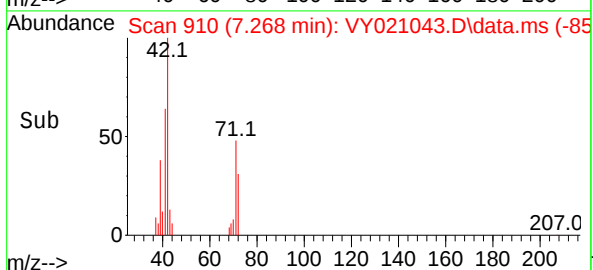
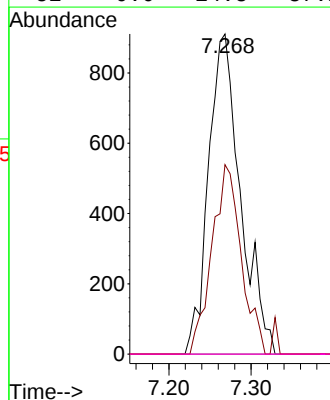
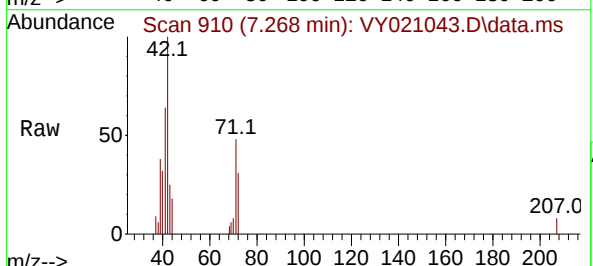
Ion Ratio Lower Upper

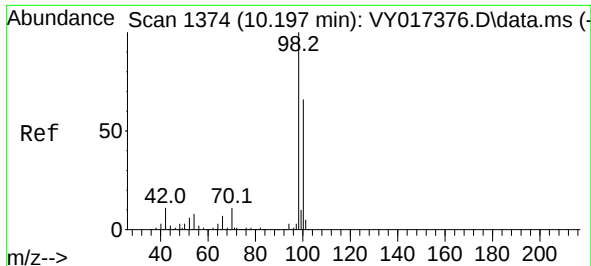
41 100

39 53.9 41.9 62.9

67 0.0 59.8 89.6#

52 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.654 ug/l

RT: 10.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Instrument :

MSVOA_Y

ClientSampleId :

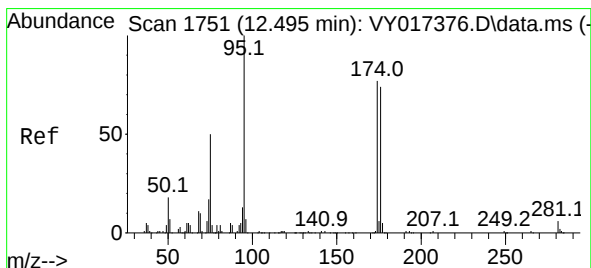
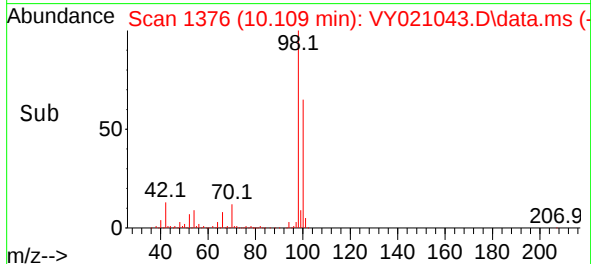
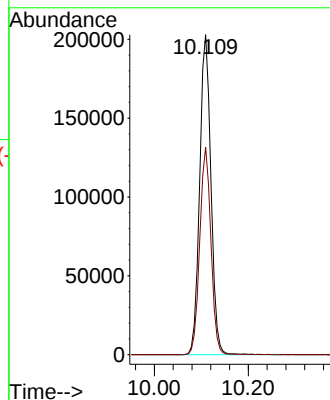
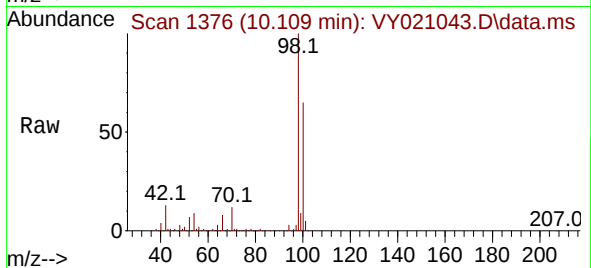
JPP-4.5-012725

Tgt Ion: 98 Resp: 338079

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.927 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

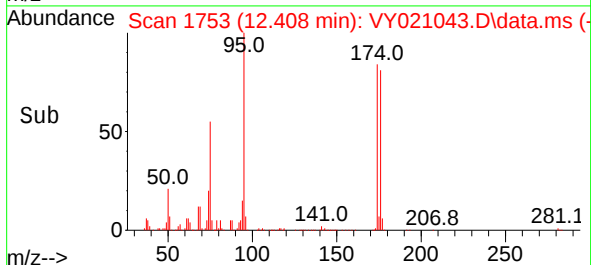
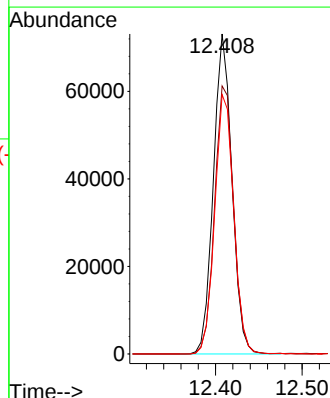
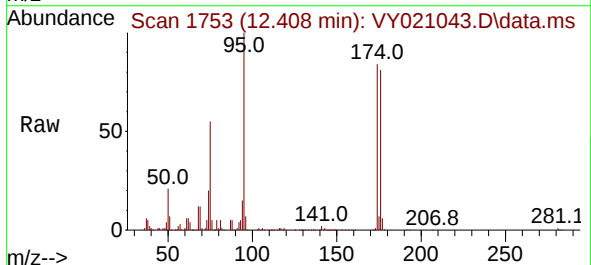
Tgt Ion: 95 Resp: 108833

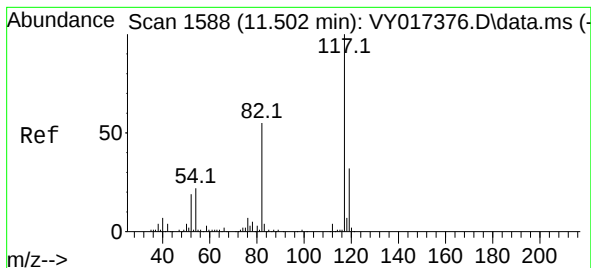
Ion Ratio Lower Upper

95 100

174 86.2 0.0 160.0

176 83.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Instrument :

MSVOA_Y

ClientSampleId :

JPP-4.5-012725

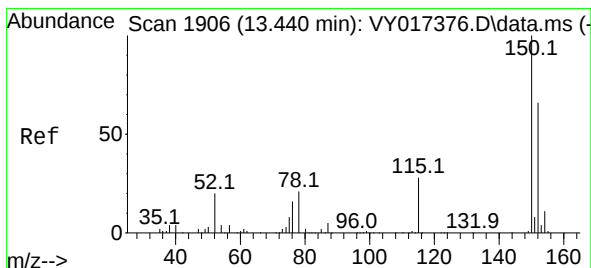
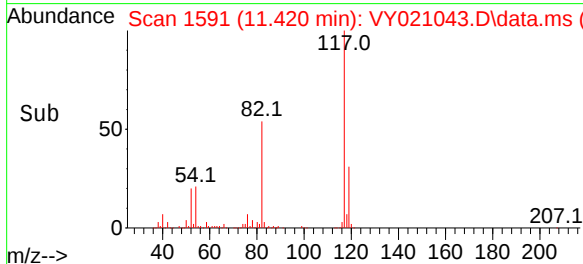
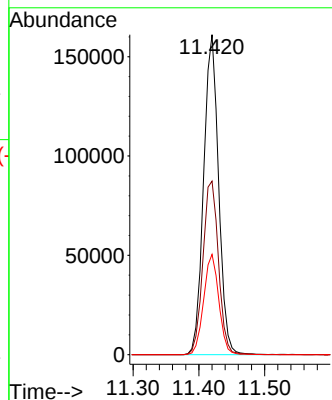
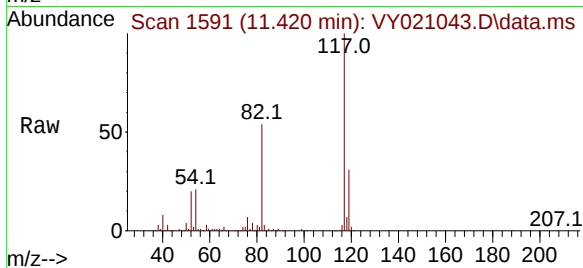
Tgt Ion:117 Resp: 254825

Ion Ratio Lower Upper

117 100

82 54.2 43.8 65.8

119 31.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

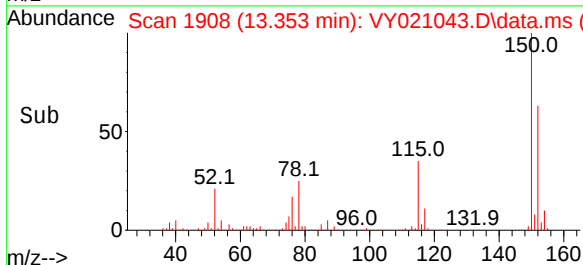
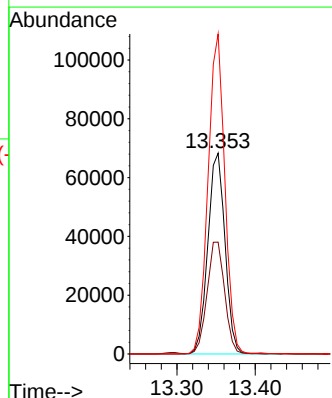
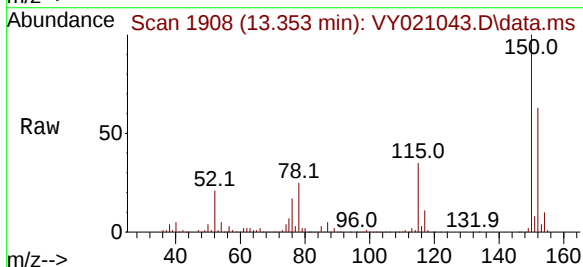
Tgt Ion:152 Resp: 103960

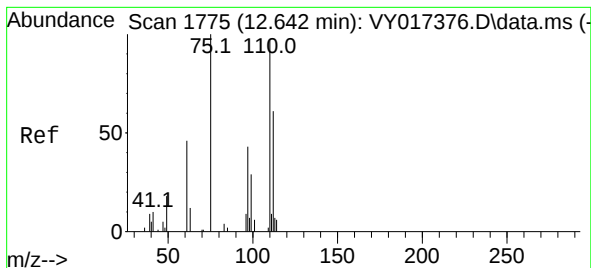
Ion Ratio Lower Upper

152 100

115 57.2 30.0 90.0

150 155.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 63.427 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Instrument :

MSVOA_Y

ClientSampleId :

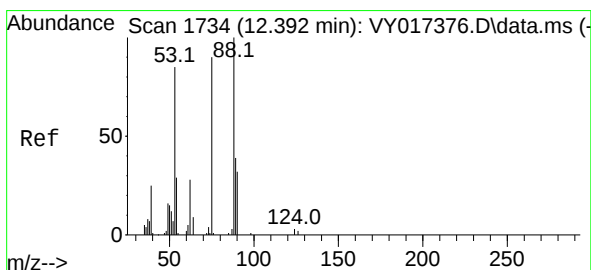
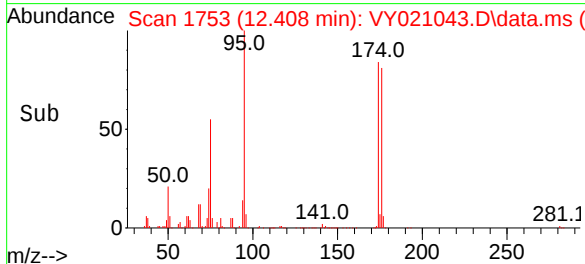
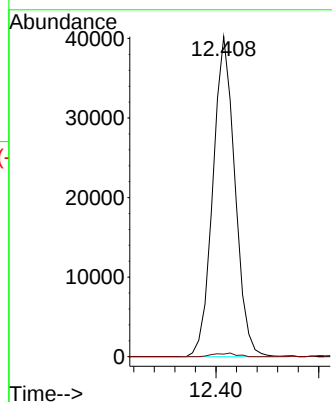
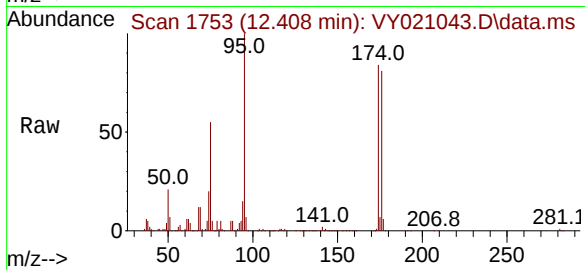
JPP-4.5-012725

Tgt Ion: 75 Resp: 59815

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.422 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY021043.D

Acq: 03 Feb 2025 20:31

Tgt Ion: 75 Resp: 59815

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.1 36.5 54.7#

