

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022205.D
 Acq On : 08 May 2025 13:05
 Operator : SY/MD
 Sample : Q1982-01
 Misc : 24.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: May 09 05:06:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

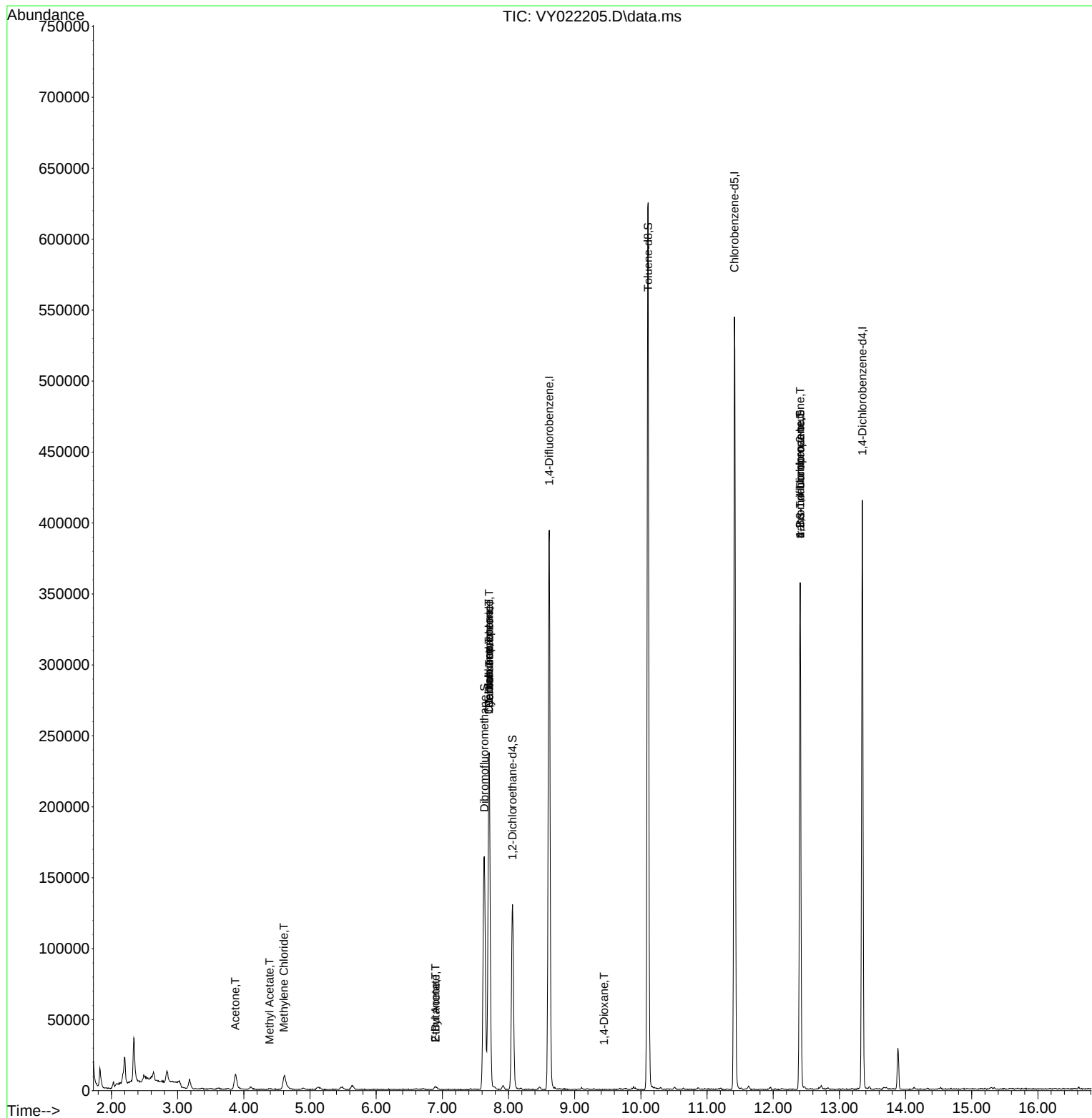
Internal Standards						
1) Pentafluorobenzene	7.707	168	185769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	341540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	302049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	105594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103422	60.272	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.540%	
35) Dibromofluoromethane	7.634	113	120821	53.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.100%	
50) Toluene-d8	10.109	98	416136	48.919	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	12.408	95	107627	37.584	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.160%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	19127	69.761	ug/l	96
18) Methyl Acetate	4.391	43	841	1.049	ug/l #	78
20) Methylene Chloride	4.604	84	7045	3.247	ug/l	90
25) 2-Butanone	6.896	43	3233	8.266	ug/l #	88
31) Cyclohexane	7.701	56	4276	1.507	ug/l #	51
36) 1,1-Dichloropropene	7.701	75	14638	4.830	ug/l #	48
37) Ethyl Acetate	6.896	43	3233	2.970	ug/l #	64
38) Carbon Tetrachloride	7.707	117	18732	5.172	ug/l #	16
49) 1,4-Dioxane	9.445	88	19	1.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	54349	60.090	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	54349	144.705	ug/l #	16

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

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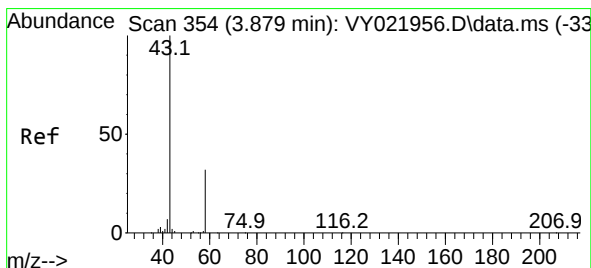
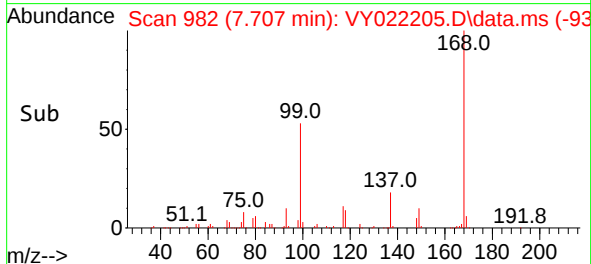
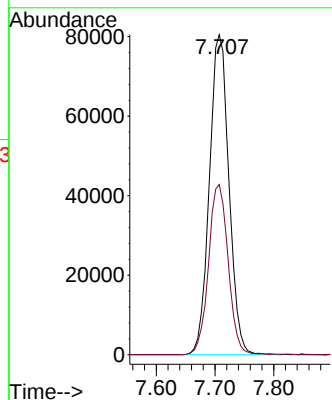
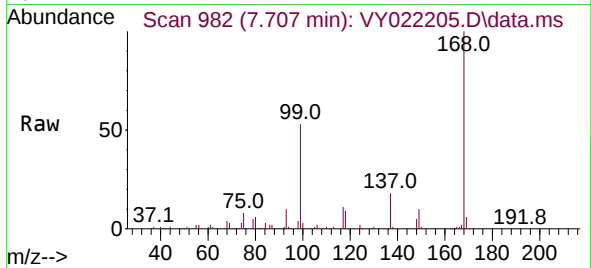




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

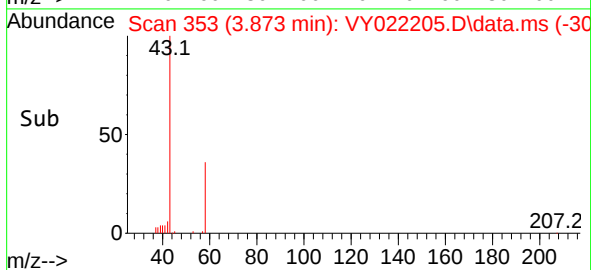
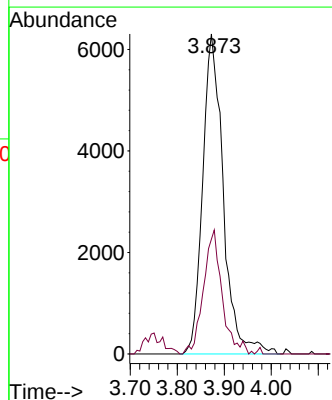
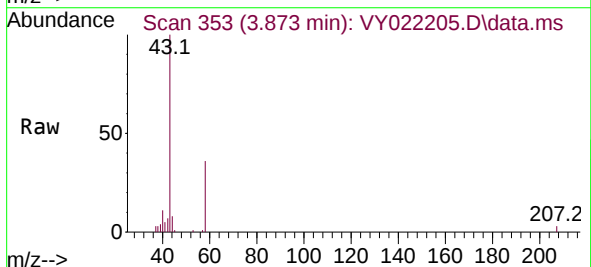
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

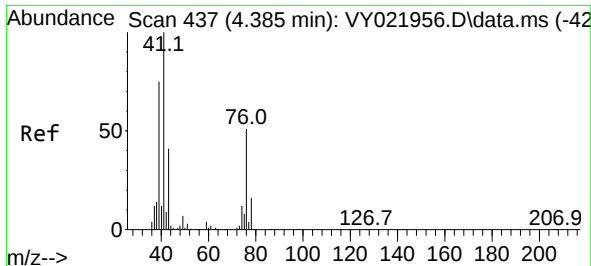
Tgt Ion:168 Resp: 185769
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#16
Acetone
Concen: 69.761 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

Tgt Ion: 43 Resp: 19127
Ion Ratio Lower Upper
43 100
58 35.8 27.0 40.4

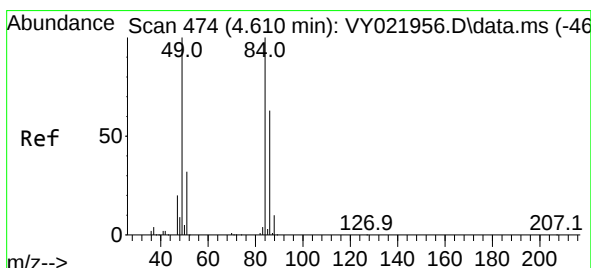
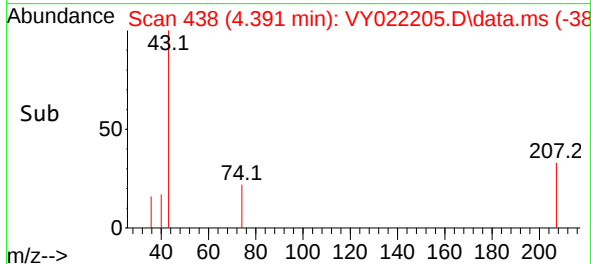
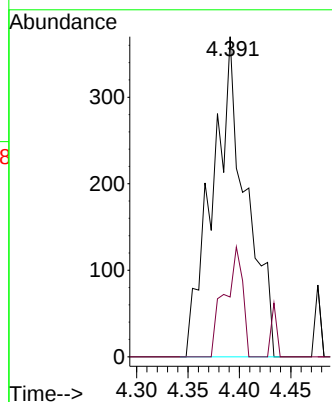
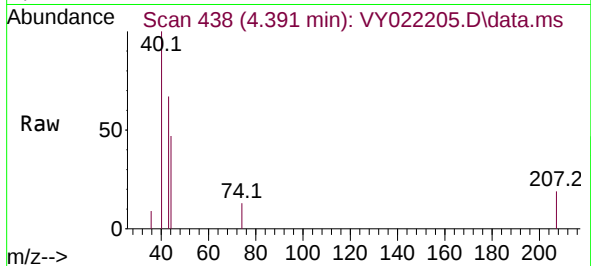




#18
Methyl Acetate
Concen: 1.049 ug/l
RT: 4.391 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

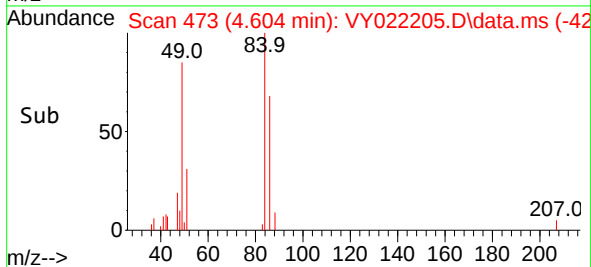
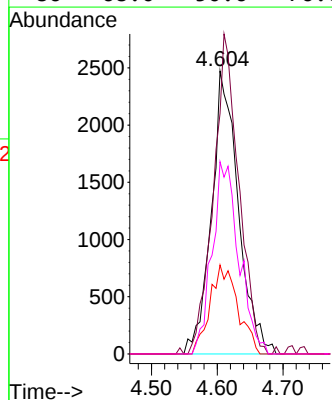
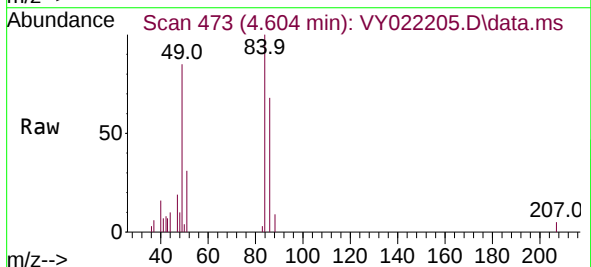
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

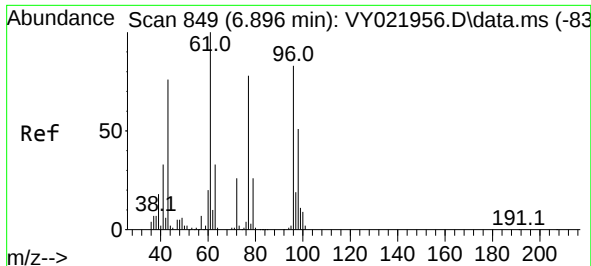
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
74 18.4 24.2 36.4#



#20
Methylene Chloride
Concen: 3.247 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

Tgt Ion: 84 Resp: 7045
Ion Ratio Lower Upper
84 100
49 85.0 79.9 119.9
51 31.5 25.4 38.0
86 68.0 50.6 76.0





#25

2-Butanone

Concen: 8.266 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

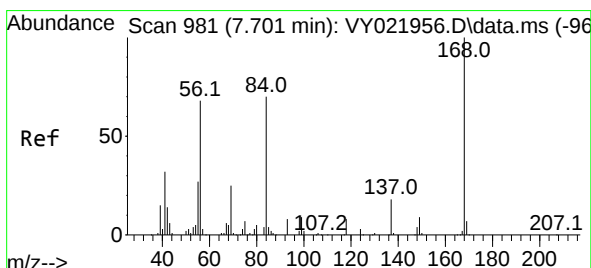
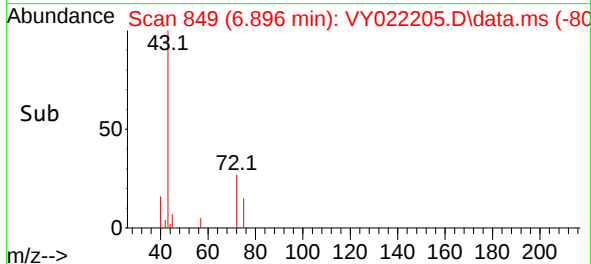
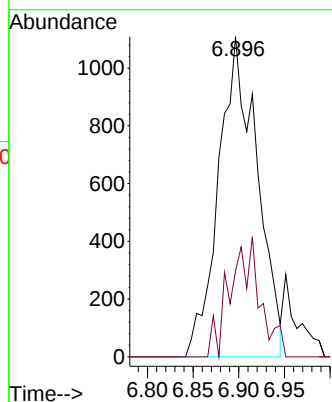
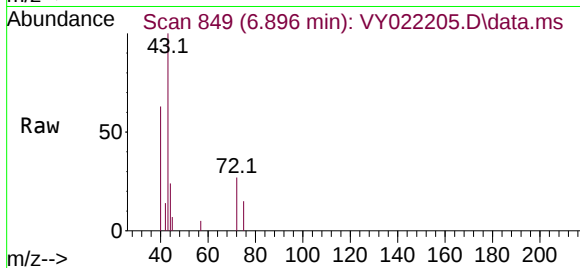
TP-1

Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

72 26.9 27.0 40.4#



#31

Cyclohexane

Concen: 1.507 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

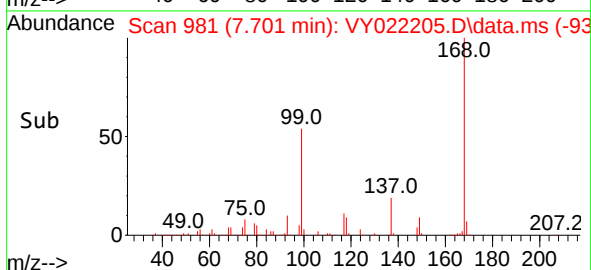
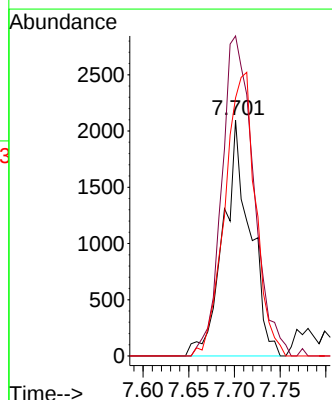
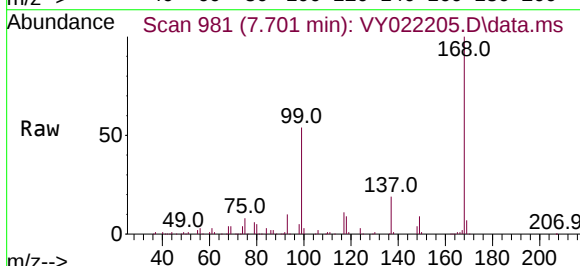
Tgt Ion: 56 Resp: 4276

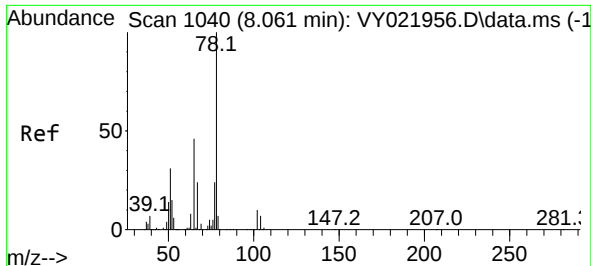
Ion Ratio Lower Upper

56 100

69 135.7 29.4 44.2#

84 109.4 82.2 123.4





#33

1,2-Dichloroethane-d4

Concen: 60.272 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

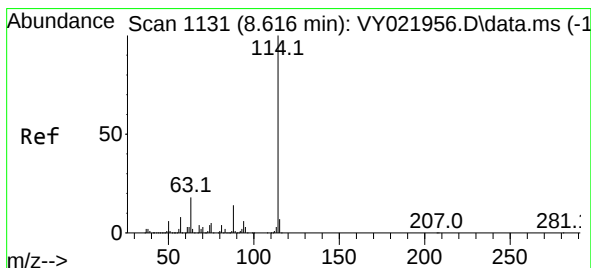
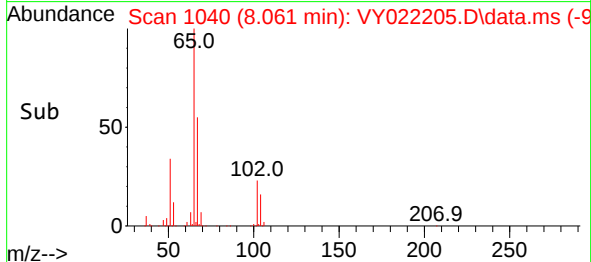
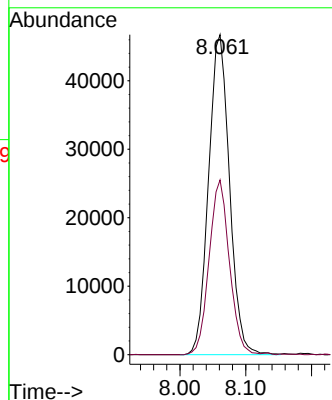
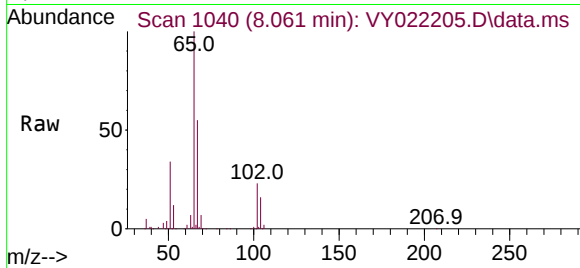
TP-1

Tgt Ion: 65 Resp: 103422

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

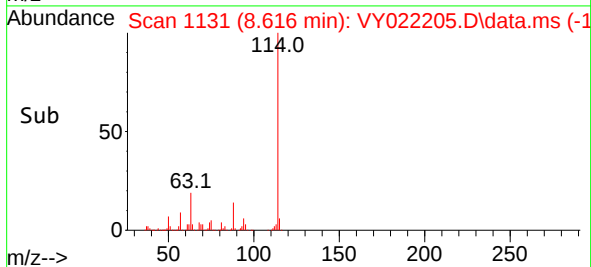
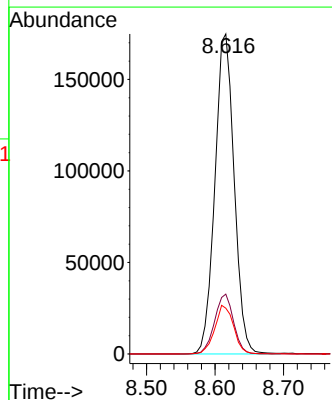
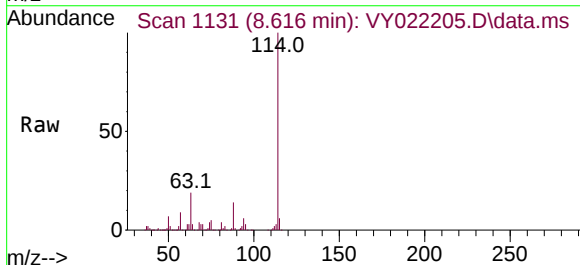
Tgt Ion: 114 Resp: 341540

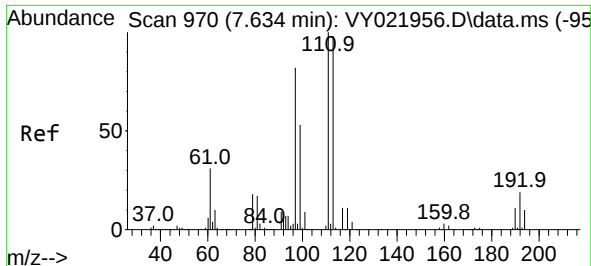
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.4

88 14.3 0.0 28.2

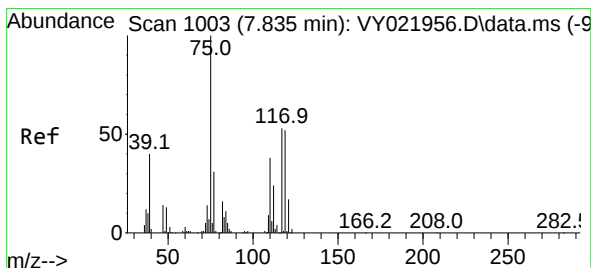
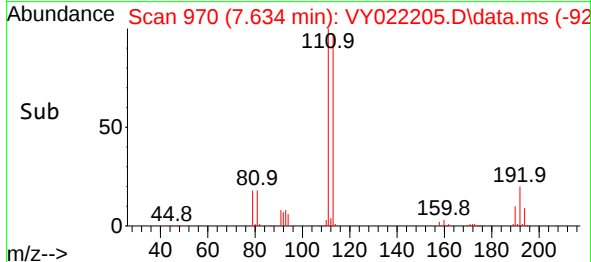
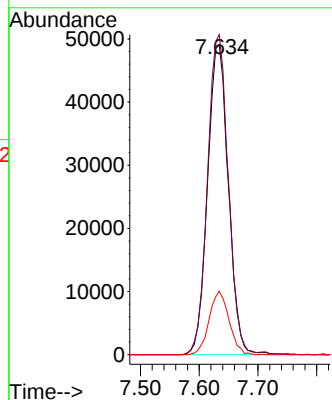
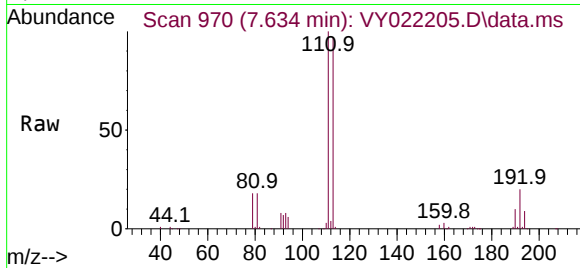




#35
Dibromofluoromethane
Concen: 53.546 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

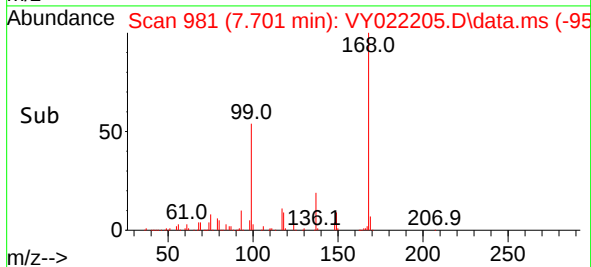
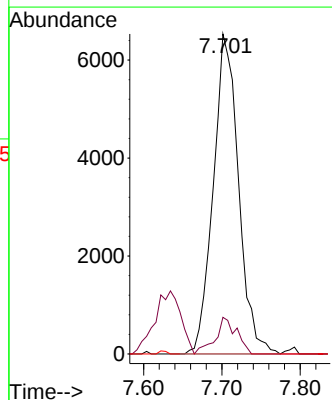
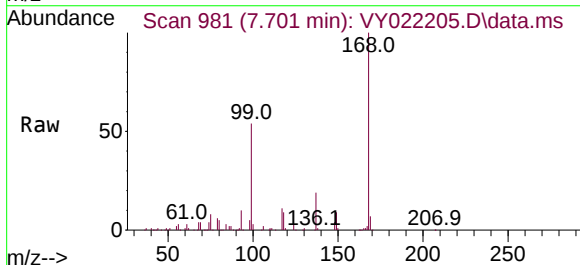
Instrument :
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ClientSampleId :
TP-1

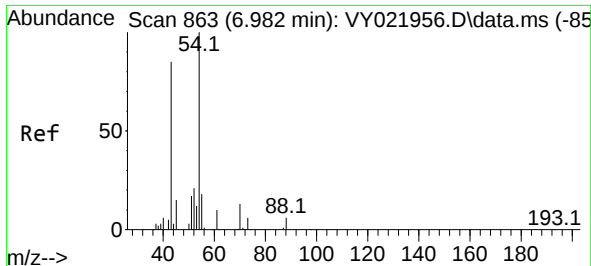
Tgt Ion:113 Resp: 120821
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 19.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.830 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

Tgt Ion: 75 Resp: 14638
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.5 38.3#





#37

Ethyl Acetate

Concen: 2.970 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

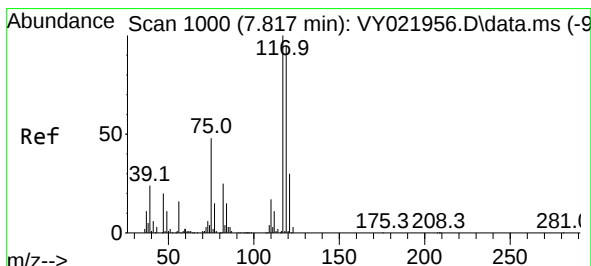
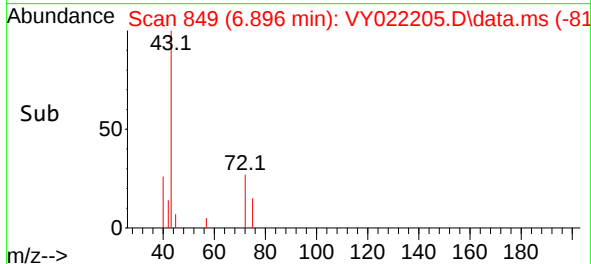
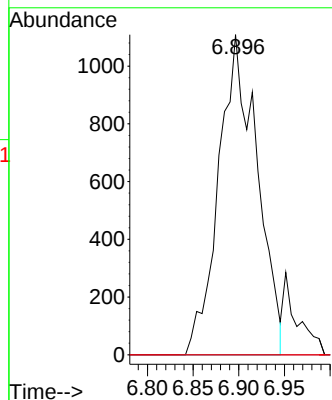
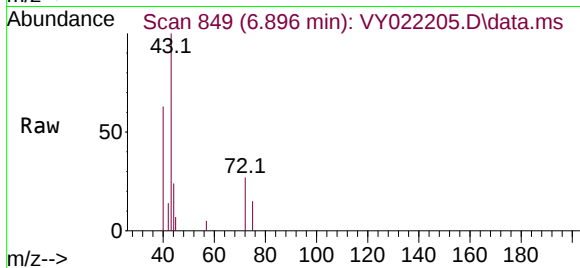
Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

61 0.0 13.8 20.6#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 5.172 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

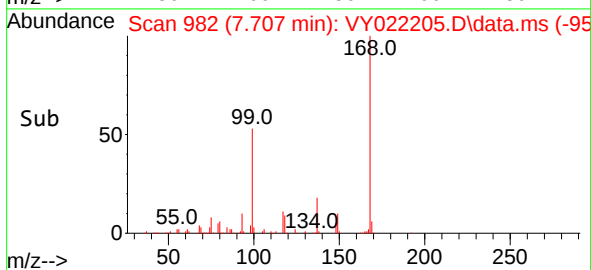
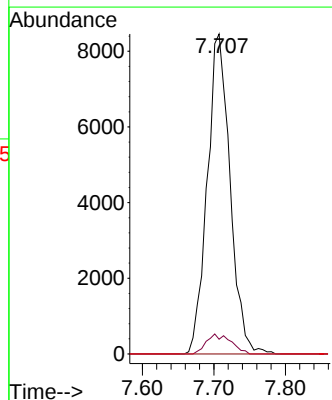
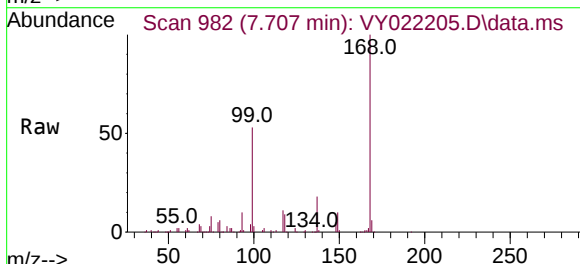
Tgt Ion: 117 Resp: 18732

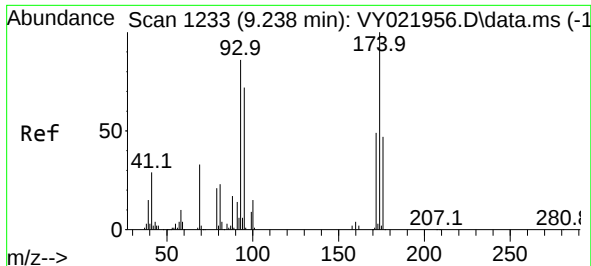
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.359 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.207 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

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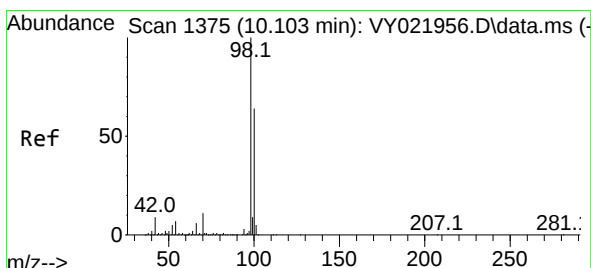
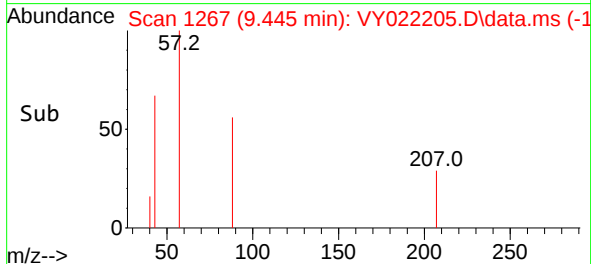
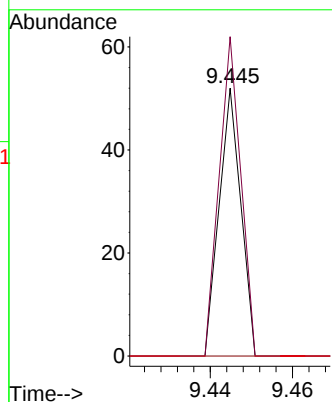
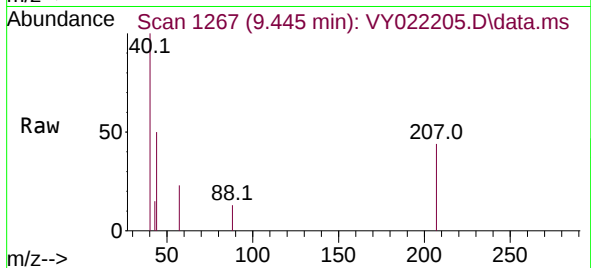
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 121.1 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 48.919 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022205.D

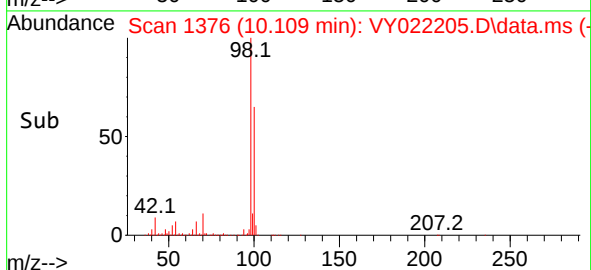
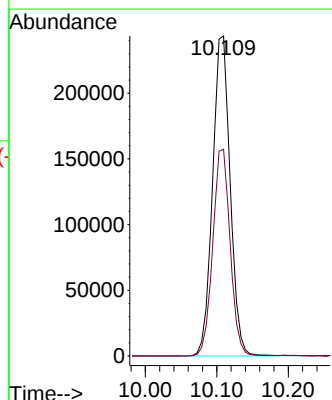
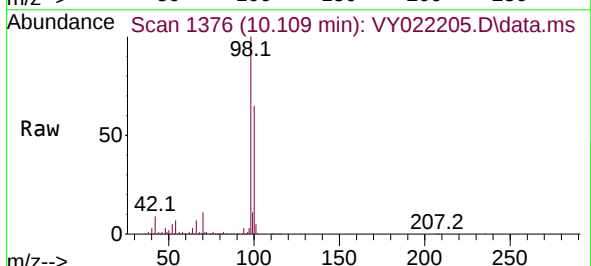
Acq: 08 May 2025 13:05

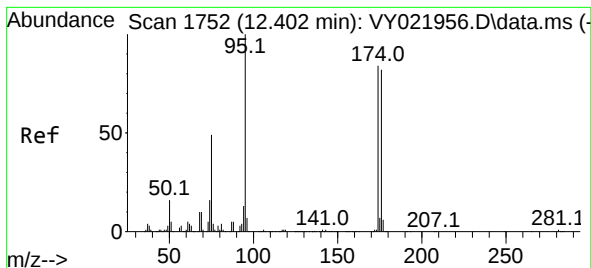
Tgt Ion: 98 Resp: 416136

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4

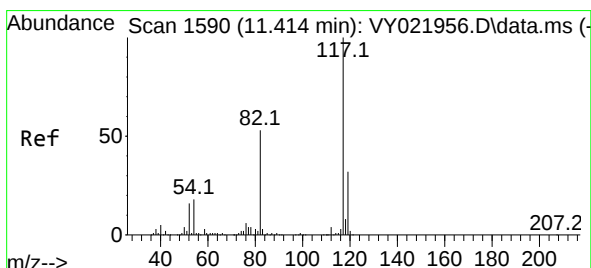
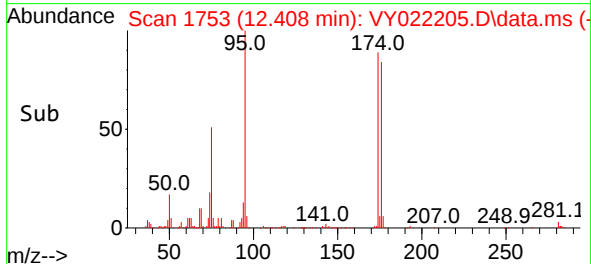
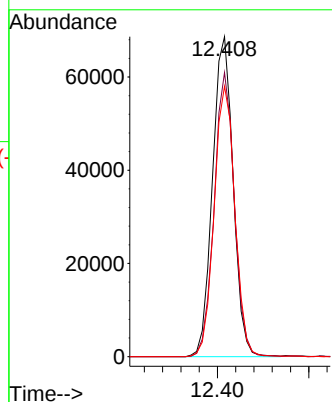
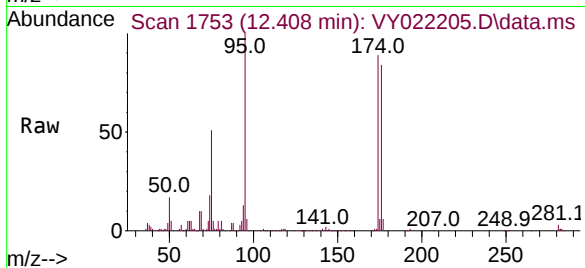




#62
4-Bromofluorobenzene
Concen: 37.584 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

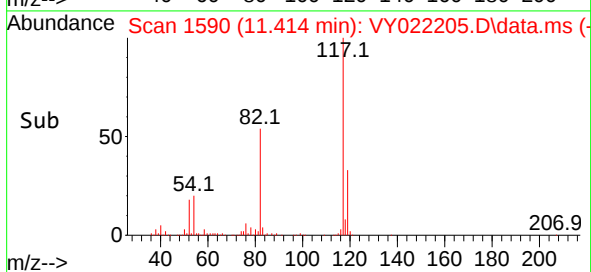
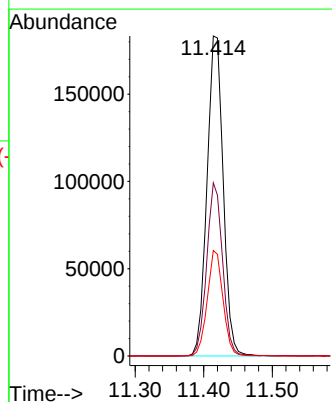
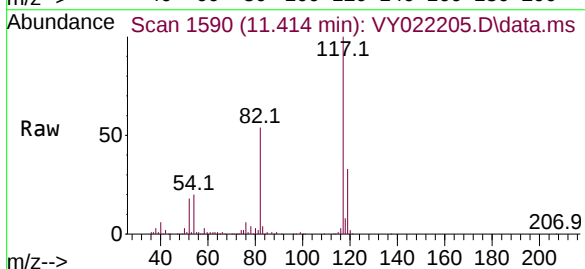
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

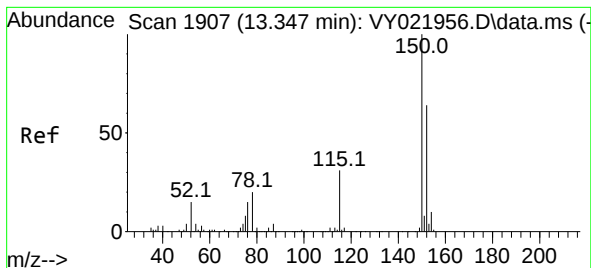
Tgt Ion: 95 Resp: 107627
Ion Ratio Lower Upper
95 100
174 86.7 0.0 179.0
176 84.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022205.D
Acq: 08 May 2025 13:05

Tgt Ion: 117 Resp: 302049
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 32.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022205.D

Acq: 08 May 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

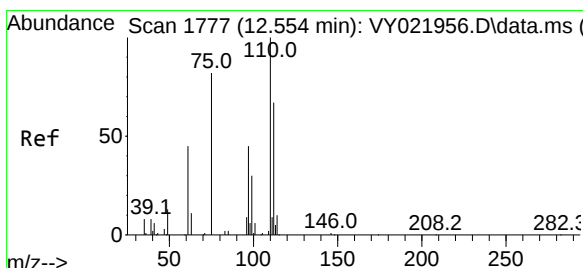
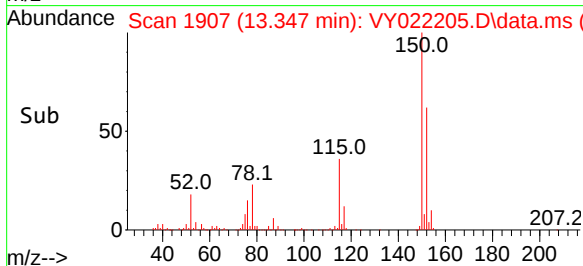
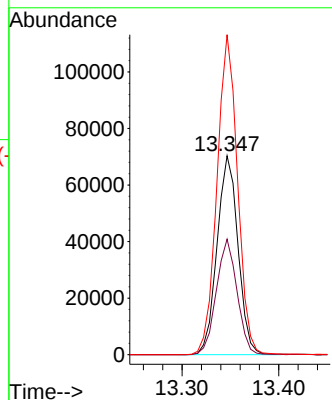
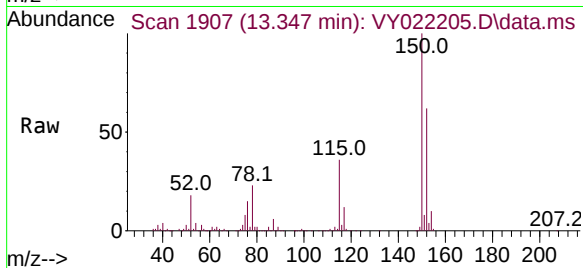
Tgt Ion:152 Resp: 105594

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

150 158.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 60.090 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022205.D

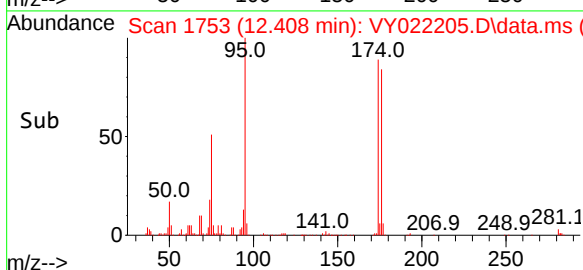
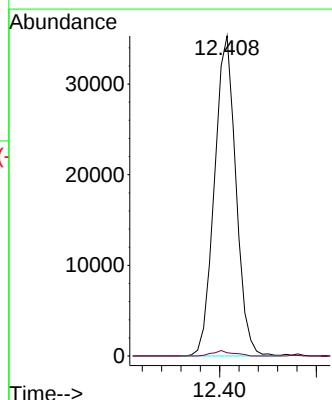
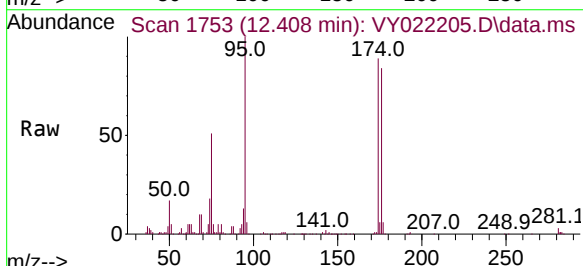
Acq: 08 May 2025 13:05

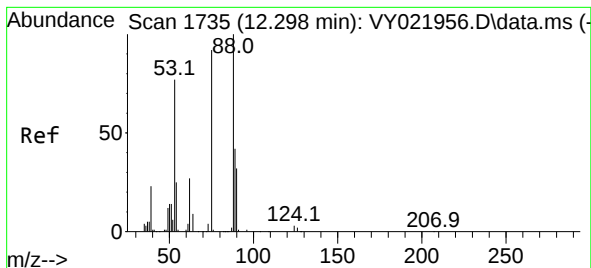
Tgt Ion: 75 Resp: 54349

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.705 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022205.D
 Acq: 08 May 2025 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 54349
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 37.2 55.8#

