

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022190.D
 Acq On : 07 May 2025 14:09
 Operator : SY/MD
 Sample : Q1969-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-05072025

Quant Time: May 08 01:42:22 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)

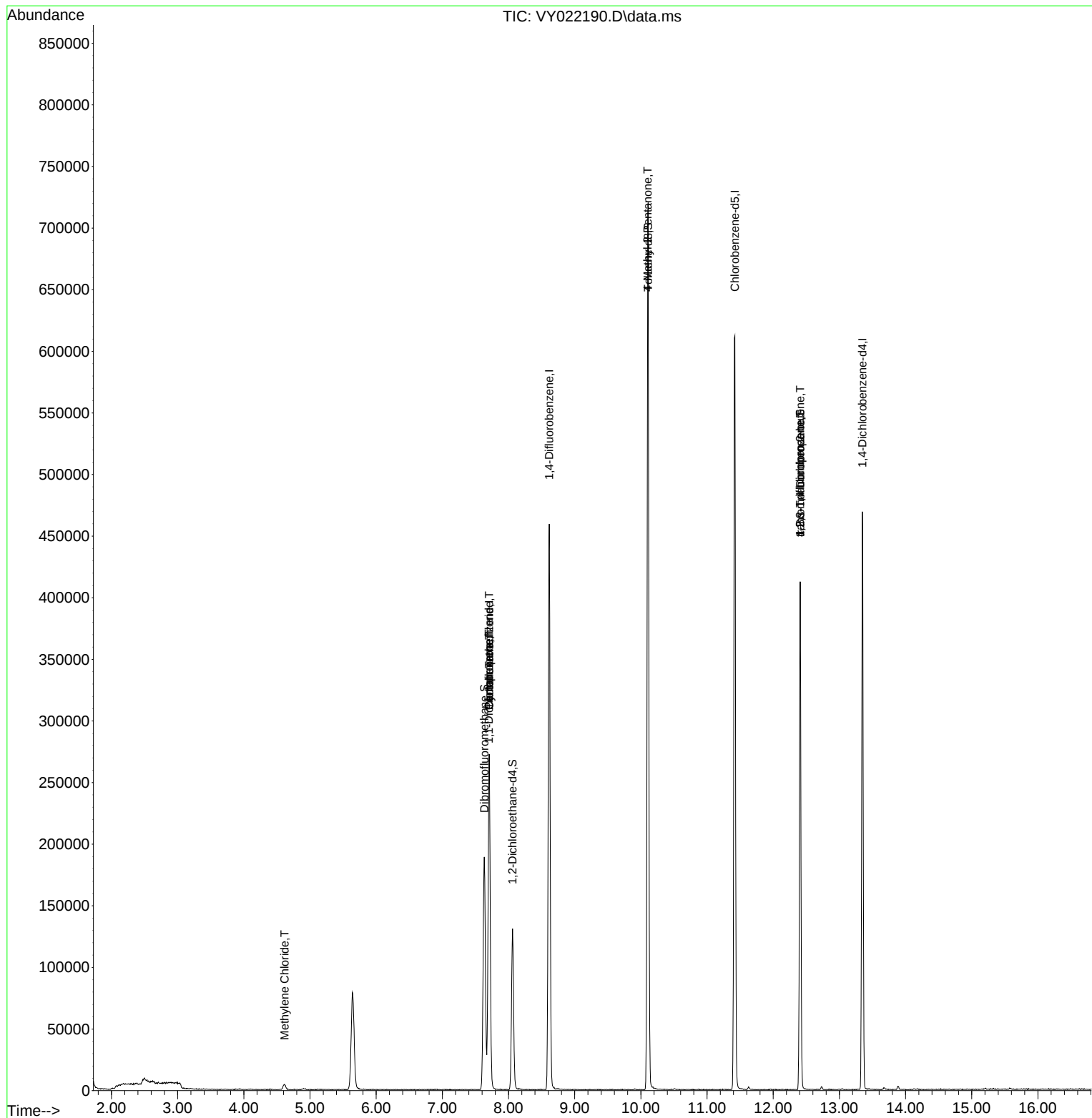
Internal Standards						
1) Pentafluorobenzene	7.707	168	211818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	400856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	122104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101272	51.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.520%	
35) Dibromofluoromethane	7.634	113	135169	51.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.080%	
50) Toluene-d8	10.109	98	488237	48.902	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.408	95	124286	36.979	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.960%	
Target Compounds						Qvalue
16) Acetone	3.873	43	419	Below Cal	#	41
20) Methylene Chloride	4.616	84	3260	1.318	ug/l #	88
31) Cyclohexane	7.707	56	4524	1.399	ug/l #	14
36) 1,1-Dichloropropene	7.701	75	15520	4.363	ug/l #	48
38) Carbon Tetrachloride	7.707	117	20952	4.929	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1636	1.272	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	62139	59.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	62139	143.076	ug/l #	16

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

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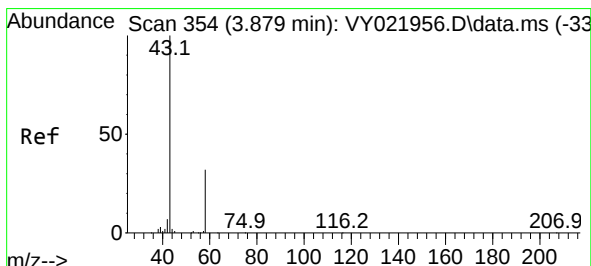
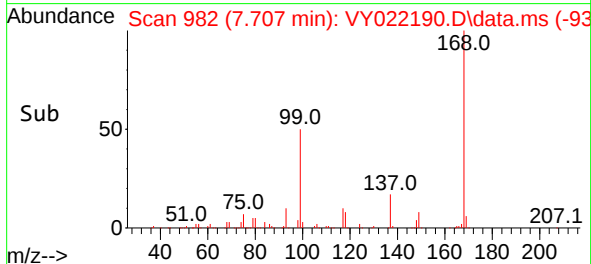
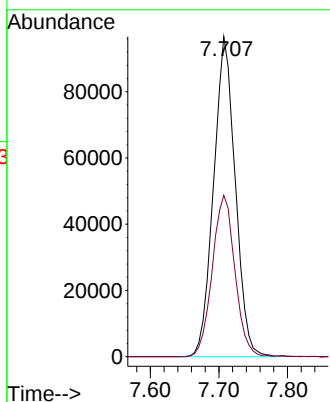
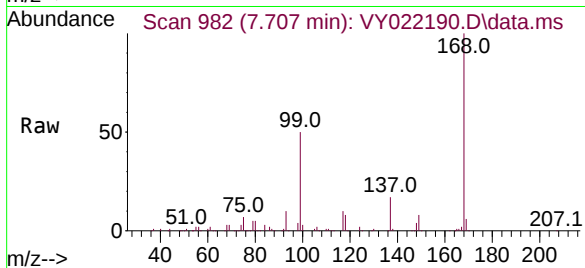




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

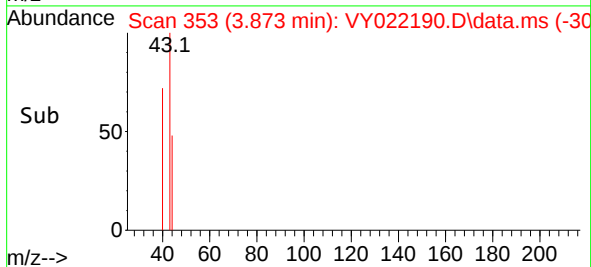
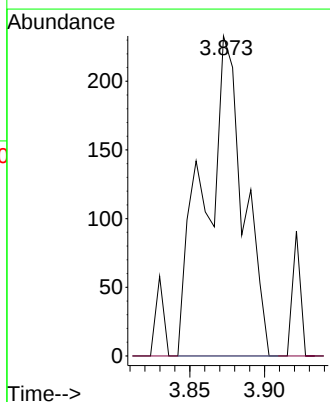
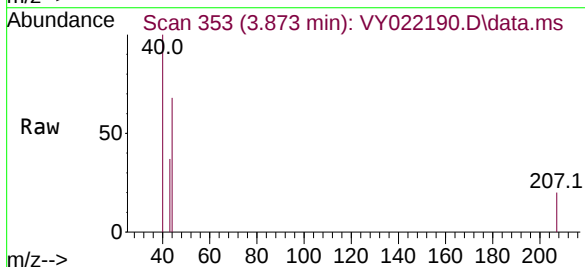
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-05072025

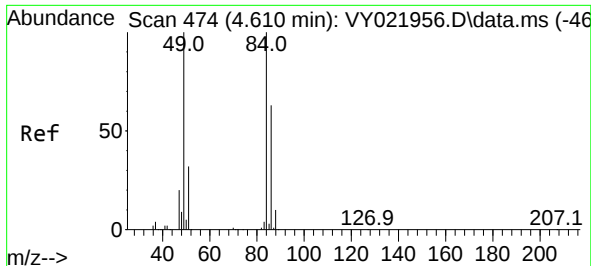
Tgt Ion:168 Resp: 211818
Ion Ratio Lower Upper
168 100
99 50.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

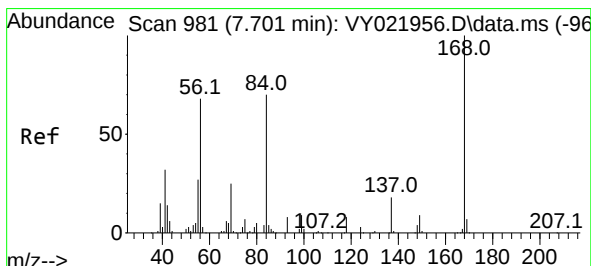
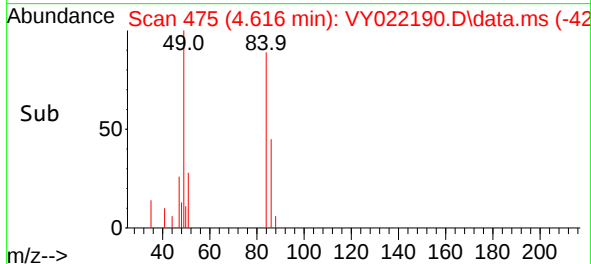
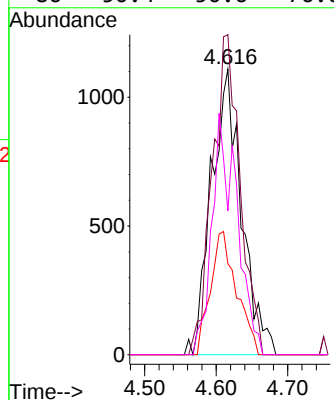
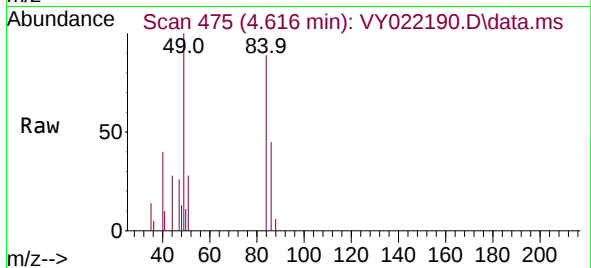




#20
Methylene Chloride
Concen: 1.318 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

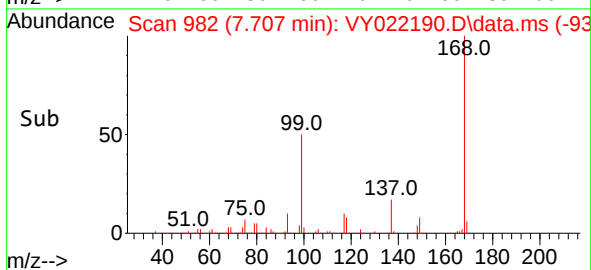
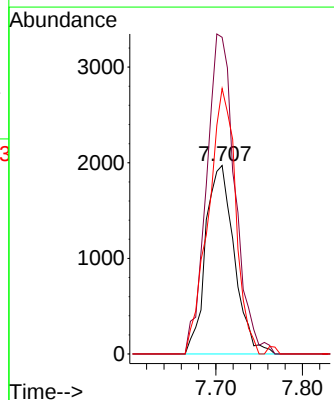
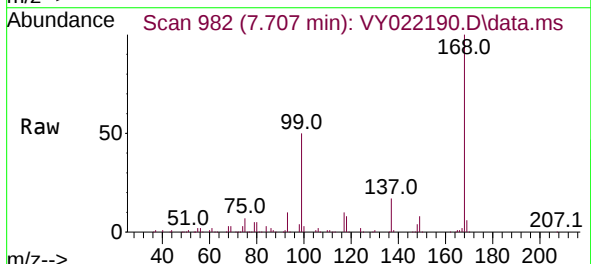
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-05072025

Tgt Ion:	84	Resp:	3260
Ion	Ratio	Lower	Upper
84	100		
49	112.1	79.9	119.9
51	31.9	25.4	38.0
86	50.4	50.6	76.0



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

Tgt Ion:	56	Resp:	4524
Ion	Ratio	Lower	Upper
56	100		
69	168.0	29.4	44.2
84	140.9	82.2	123.4





#33

1,2-Dichloroethane-d4

Concen: 51.761 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022190.D

Acq: 07 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

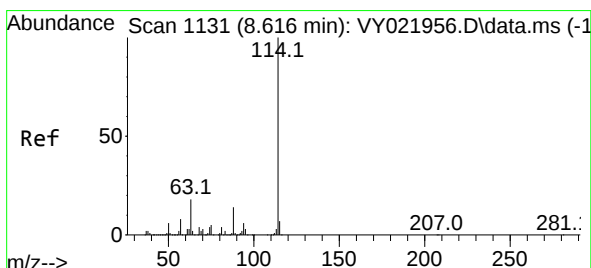
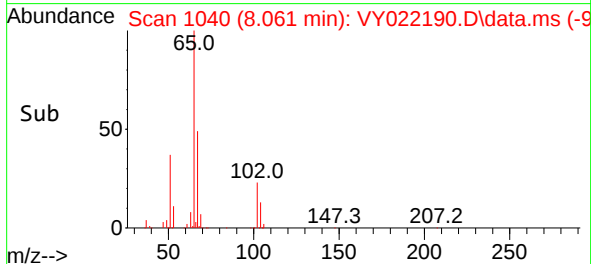
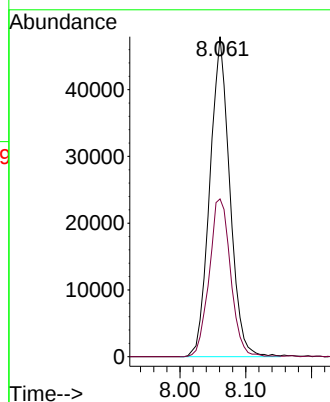
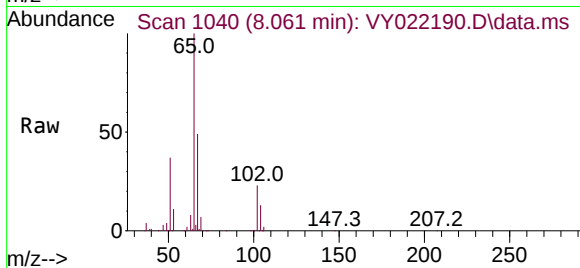
TR-06-05072025

Tgt Ion: 65 Resp: 101272

Ion Ratio Lower Upper

65 100

67 52.8 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: VY022190.D

Acq: 07 May 2025 14:09

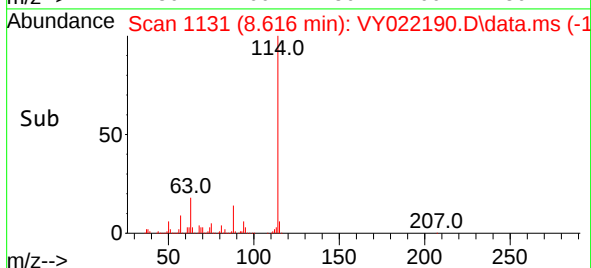
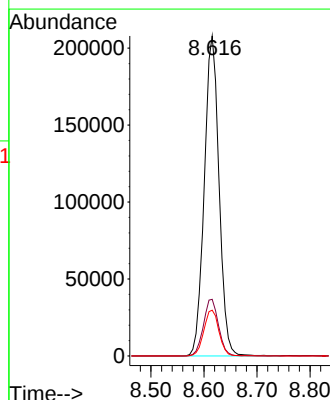
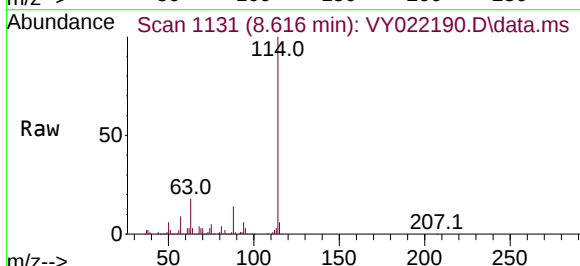
Tgt Ion: 114 Resp: 400856

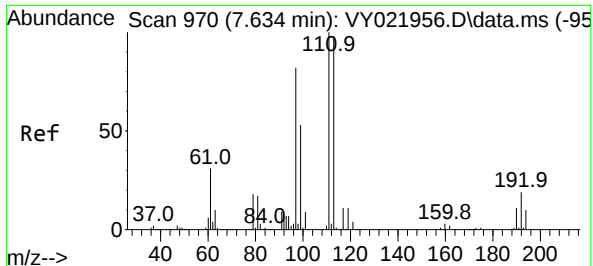
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 51.040 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022190.D

Acq: 07 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-05072025

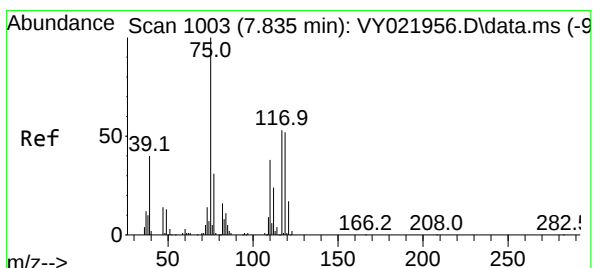
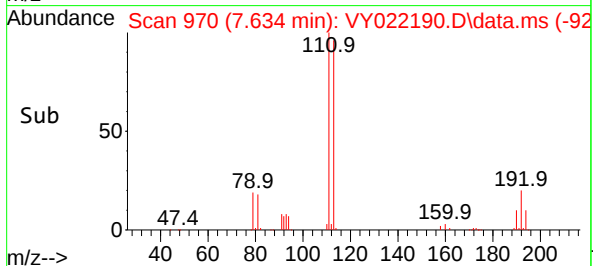
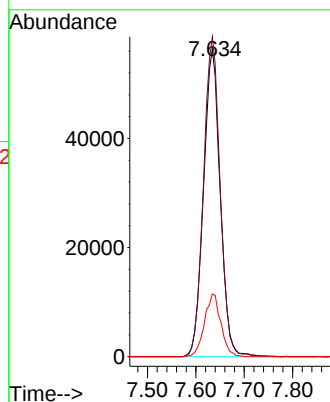
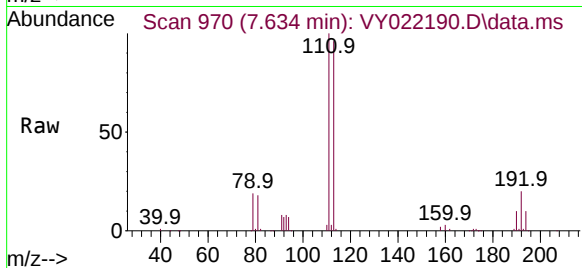
Tgt Ion:113 Resp: 135169

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

192 20.0 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.363 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022190.D

Acq: 07 May 2025 14:09

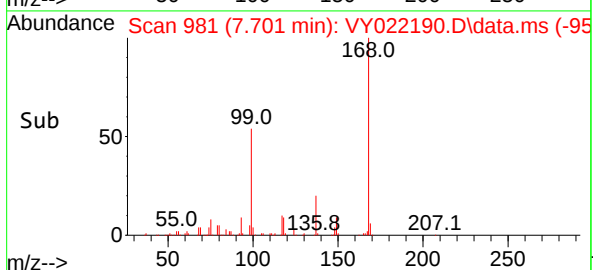
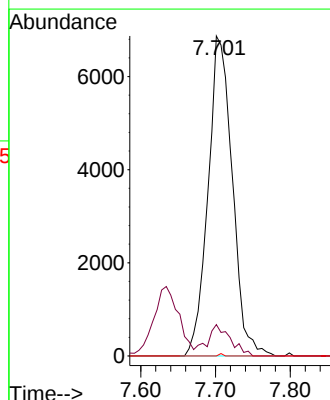
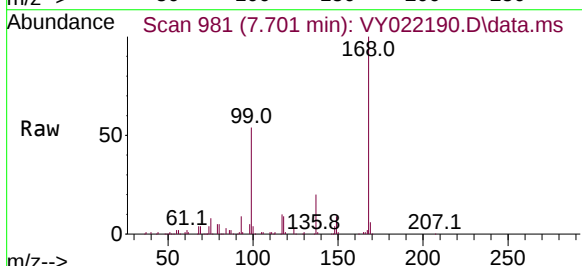
Tgt Ion: 75 Resp: 15520

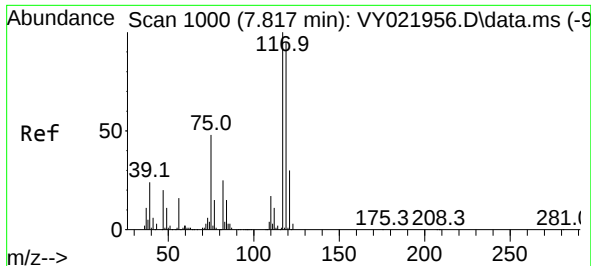
Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.1 25.5 38.3#

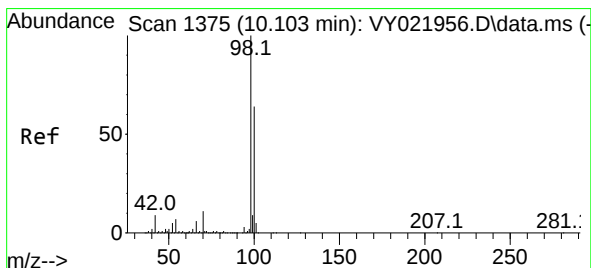
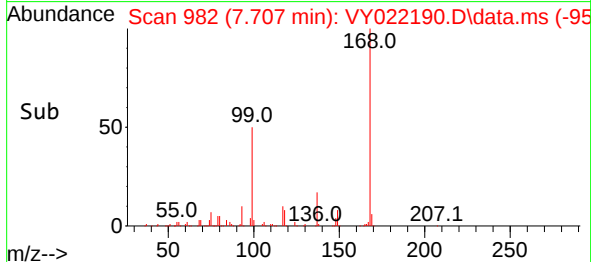
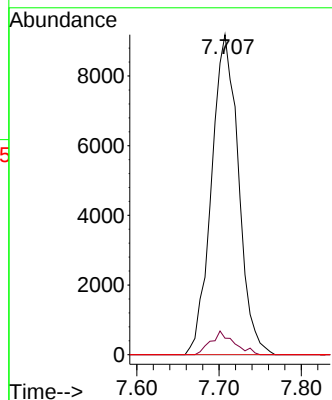
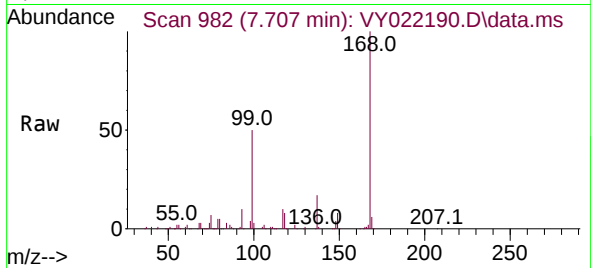




#38
Carbon Tetrachloride
Concen: 4.929 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

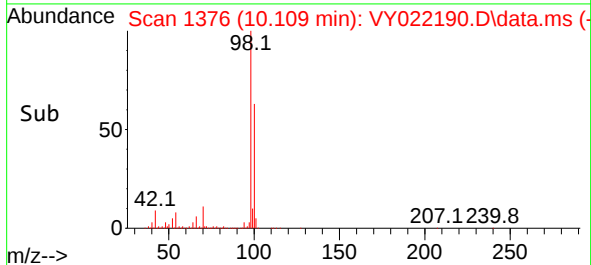
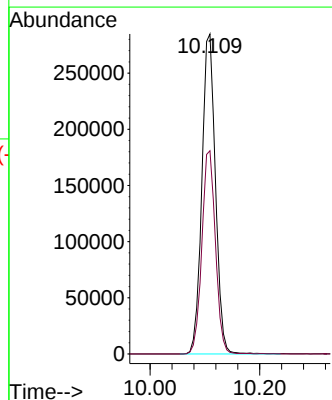
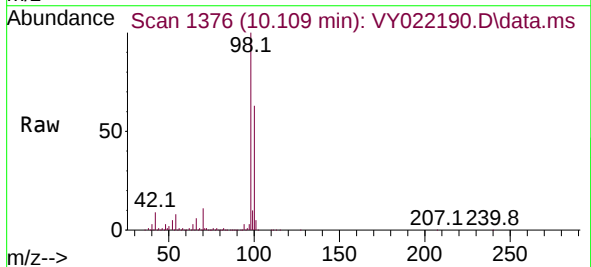
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-05072025

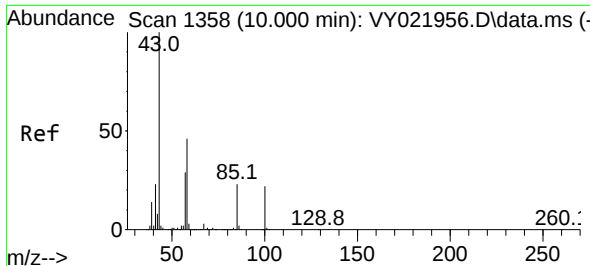
Tgt Ion:117 Resp: 20952
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.902 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

Tgt Ion: 98 Resp: 488237
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

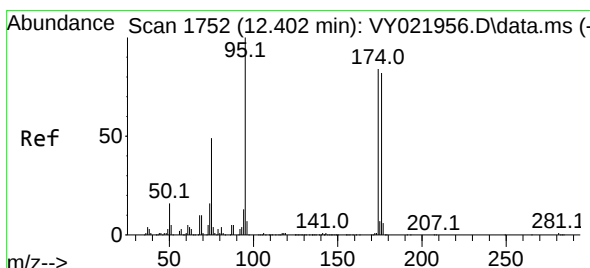
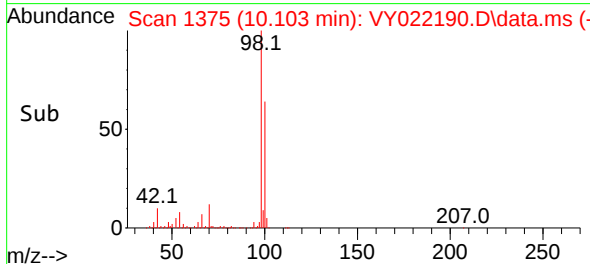
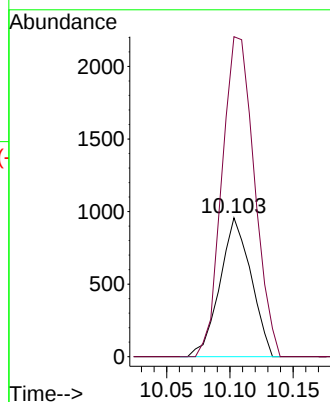
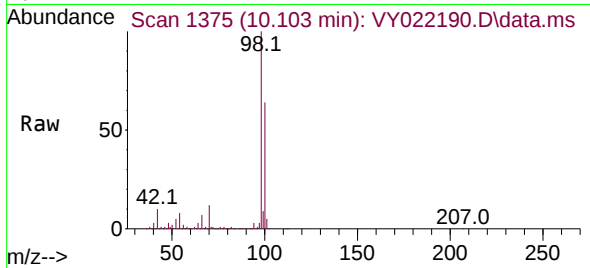




#51
4-Methyl-2-Pentanone
Concen: 1.272 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

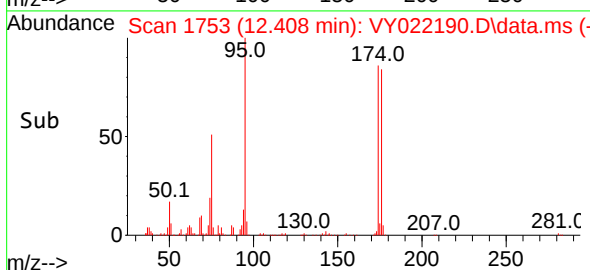
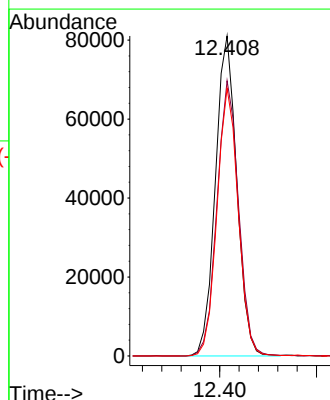
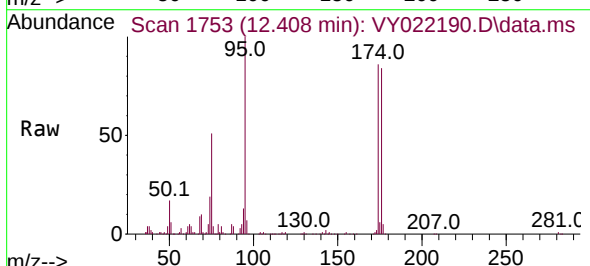
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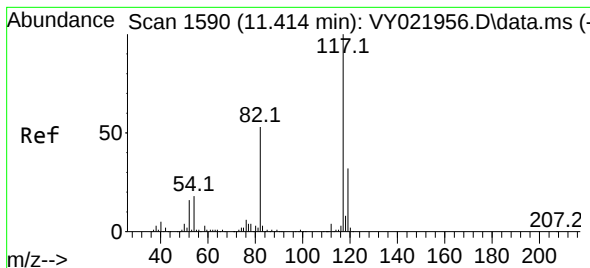
Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
58 239.5 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 36.979 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

Tgt Ion: 95 Resp: 124286
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 82.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022190.D

Acq: 07 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-05072025

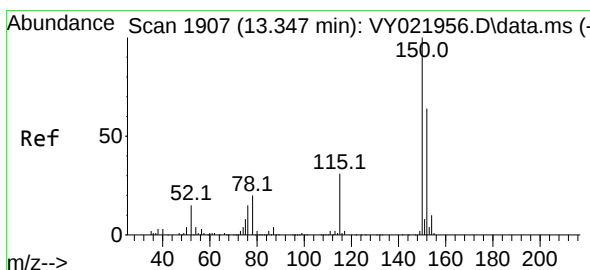
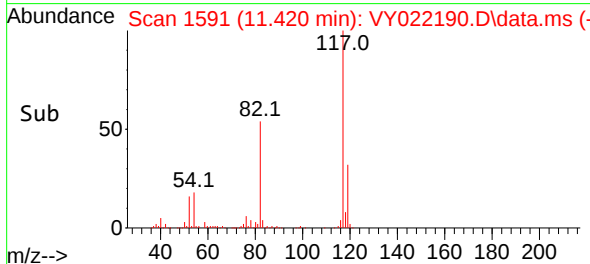
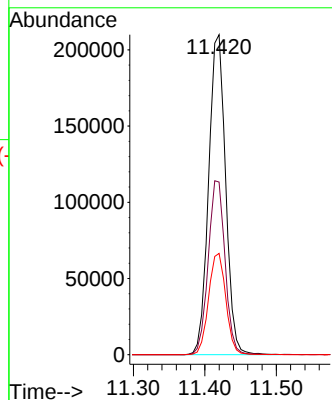
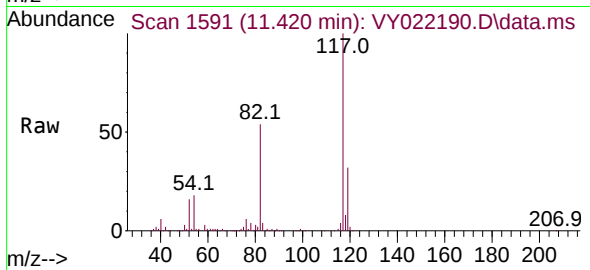
Tgt Ion:117 Resp: 345976

Ion Ratio Lower Upper

117 100

82 54.0 42.1 63.1

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022190.D

Acq: 07 May 2025 14:09

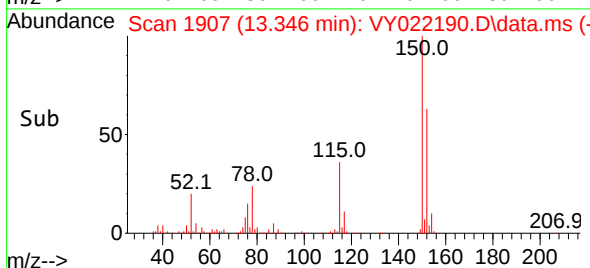
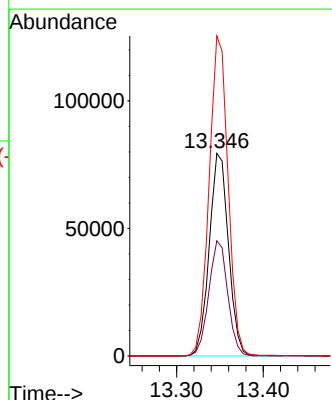
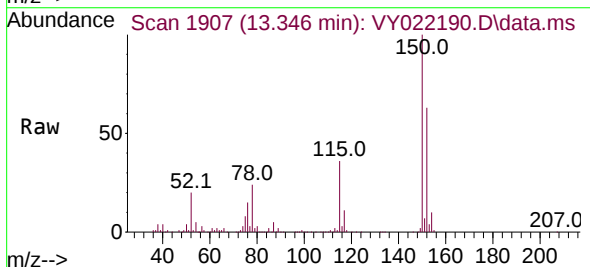
Tgt Ion:152 Resp: 122104

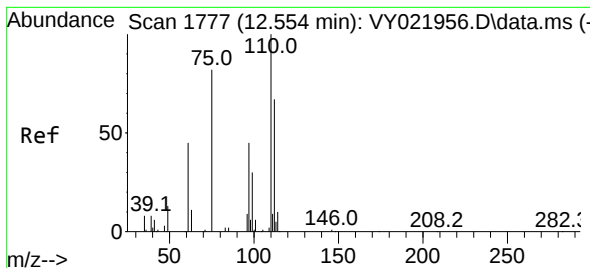
Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

150 155.9 0.0 345.6

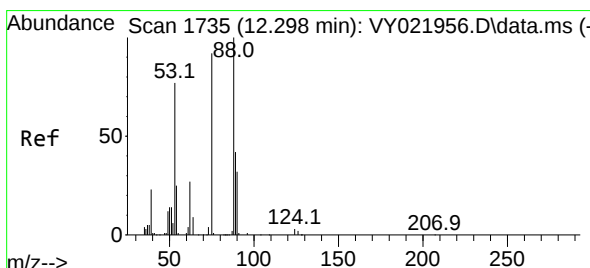
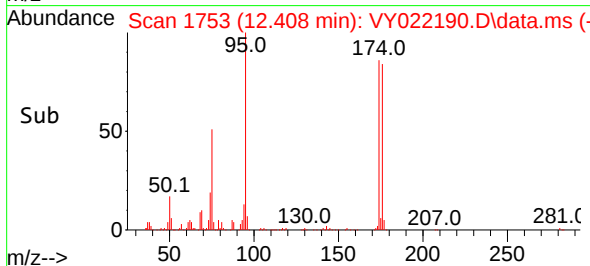
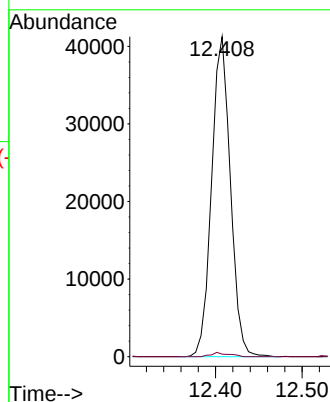
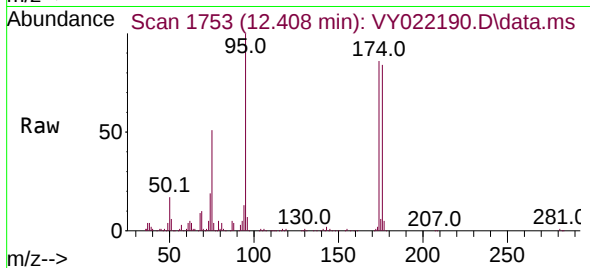




#76
1,2,3-Trichloropropane
Concen: 59.413 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-05072025

Tgt Ion: 75 Resp: 62139
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.076 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022190.D
Acq: 07 May 2025 14:09

Tgt Ion: 75 Resp: 62139
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#

