

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022295.D
 Acq On : 16 May 2025 16:48
 Operator : SY/MD
 Sample : Q2032-04
 Misc : 639g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24

Quant Time: May 17 01:36:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

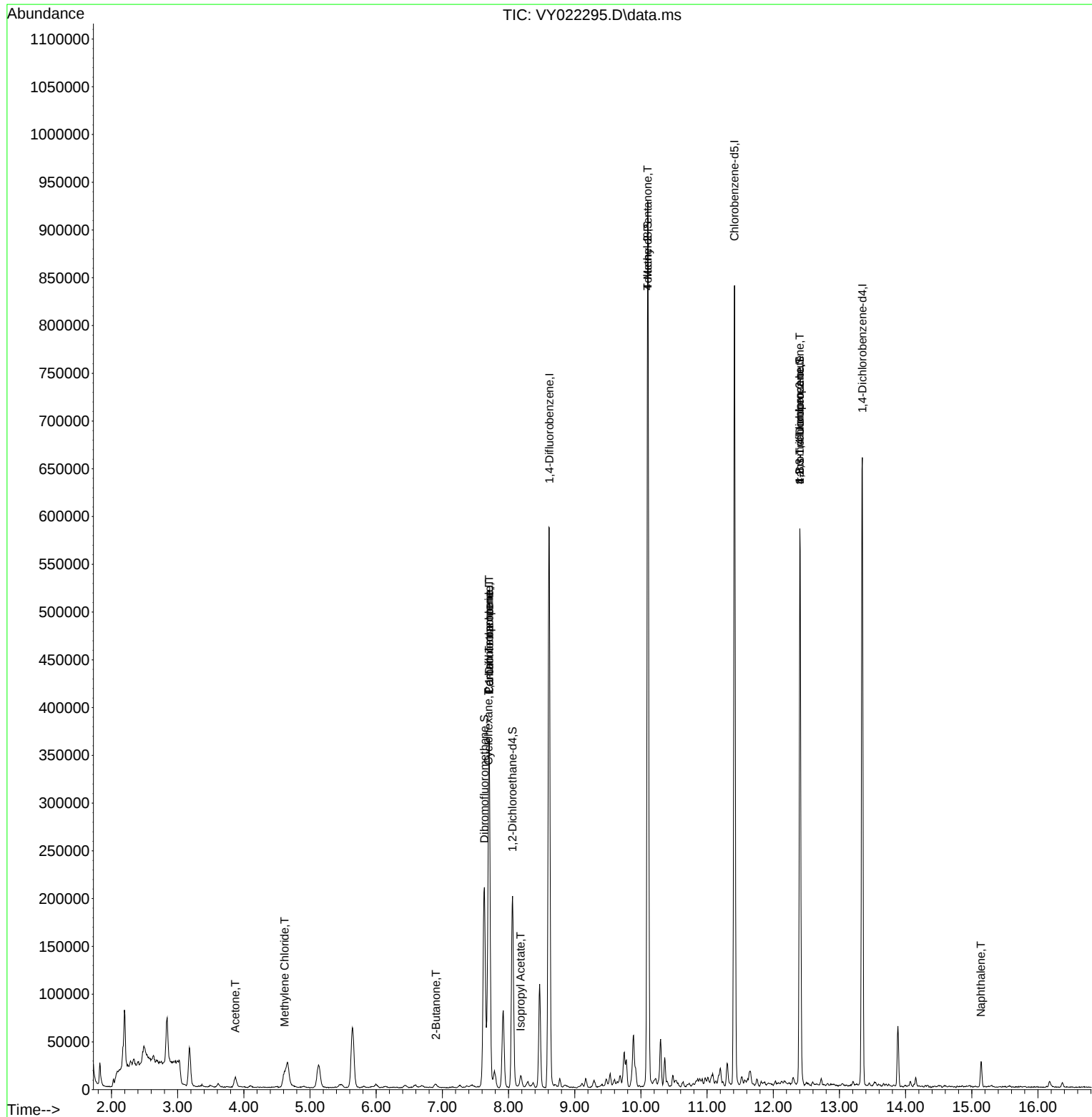
Internal Standards						
1) Pentafluorobenzene	7.707	168	265542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	477294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150720	51.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.860%	
35) Dibromofluoromethane	7.634	113	145964	51.238	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.480%	
50) Toluene-d8	10.103	98	573315	49.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.401	95	160374	43.366	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.740%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	17993	33.065	ug/l	97
20) Methylene Chloride	4.616	84	8521	2.423	ug/l	92
25) 2-Butanone	6.902	43	4631	5.088	ug/l	99
31) Cyclohexane	7.695	56	13843	2.358	ug/l #	77
36) 1,1-Dichloropropene	7.707	75	22266	4.745	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26882	5.535	ug/l #	15
43) Isopropyl Acetate	8.183	43	6638	1.348	ug/l #	62
51) 4-Methyl-2-Pentanone	10.103	43	3966	1.642	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	92062	58.977	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	92062	119.472	ug/l #	12
95) Naphthalene	15.139	128	20682	4.036	ug/l	99

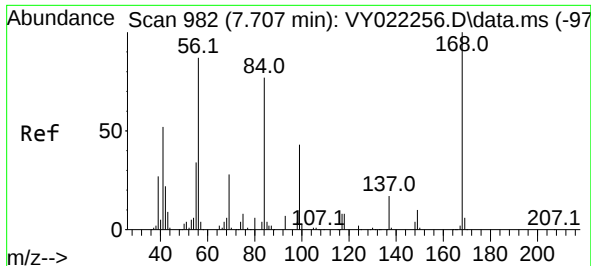
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022295.D
Acq On : 16 May 2025 16:48
Operator : SY/MD
Sample : Q2032-04
Misc : 639g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-24

Quant Time: May 17 01:36:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

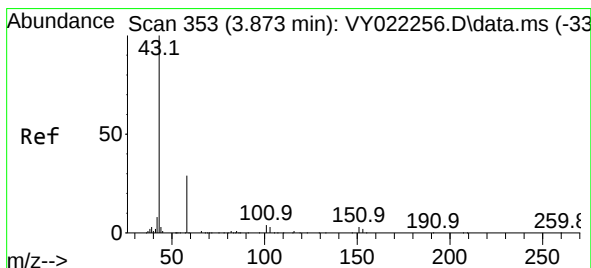
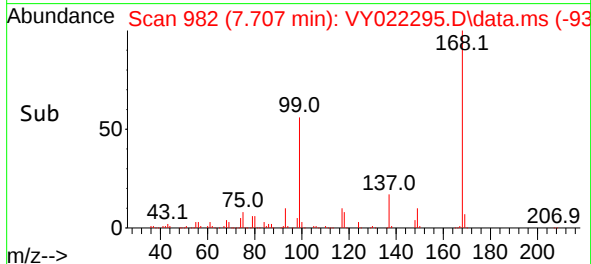
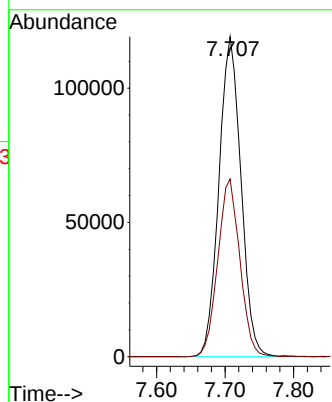
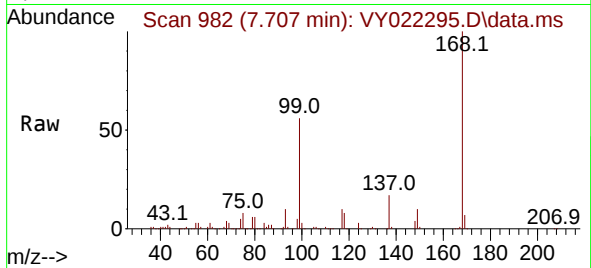




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

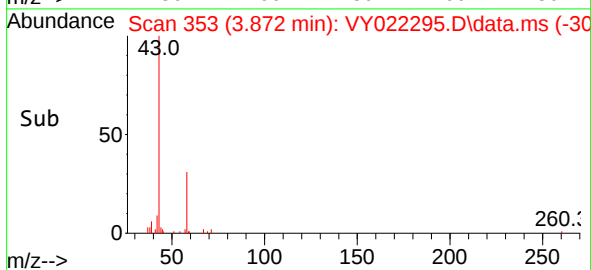
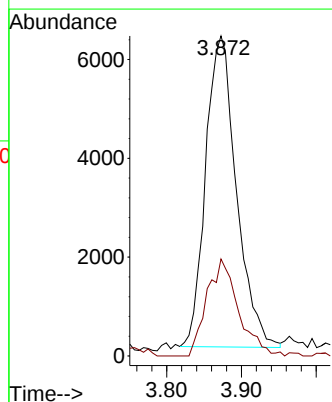
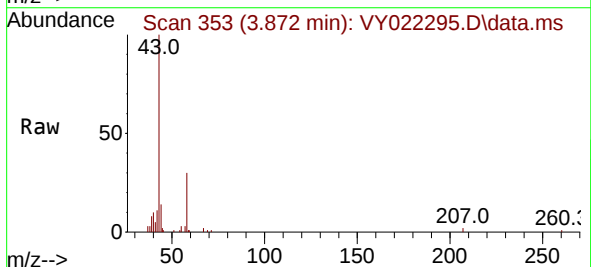
Instrument :
MSVOA_Y
ClientSampleId :
TP-24

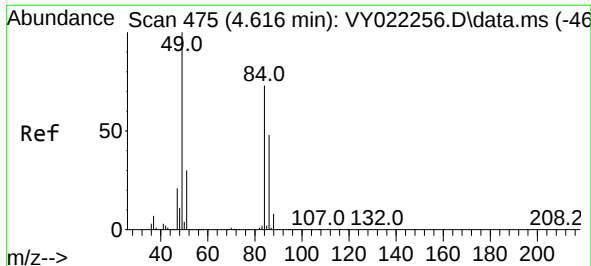
Tgt Ion:168 Resp: 265542
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#16
Acetone
Concen: 33.065 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

Tgt Ion: 43 Resp: 17993
Ion Ratio Lower Upper
43 100
58 31.2 23.6 35.4

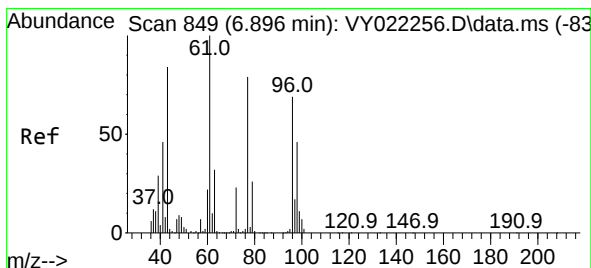
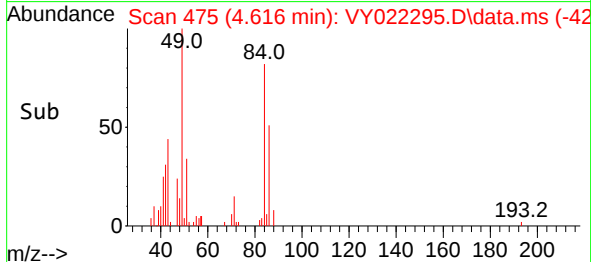
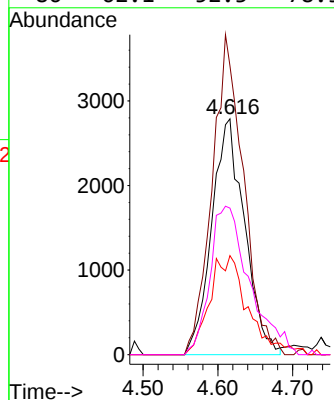
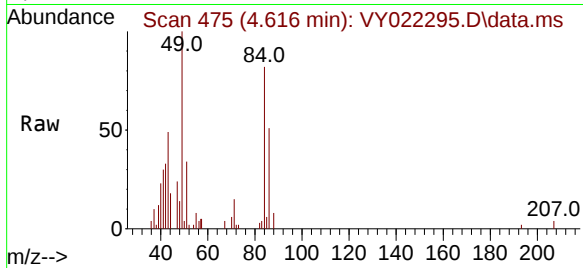




#20
Methylene Chloride
Concen: 2.423 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

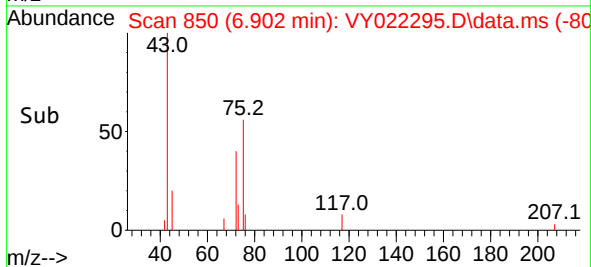
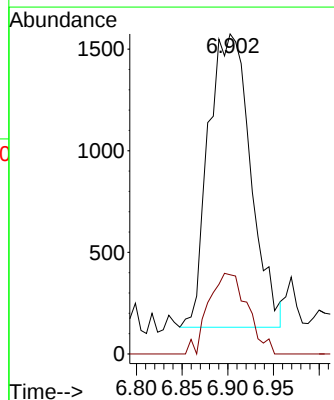
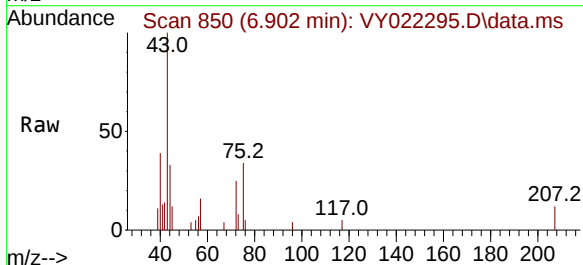
Instrument :
MSVOA_Y
ClientSampleId :
TP-24

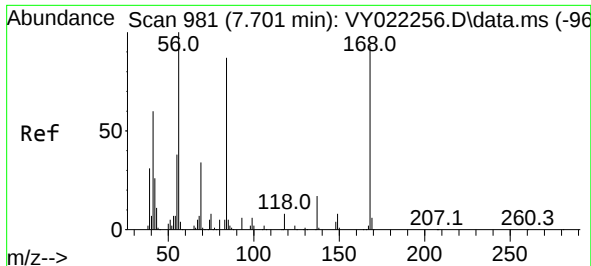
Tgt Ion:	84	Resp:	8521
Ion	Ratio	Lower	Upper
84	100		
49	122.4	109.6	164.4
51	42.0	32.4	48.6
86	62.1	52.3	78.5



#25
2-Butanone
Concen: 5.088 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

Tgt Ion:	43	Resp:	4631
Ion	Ratio	Lower	Upper
43	100		
72	27.0	22.1	33.1

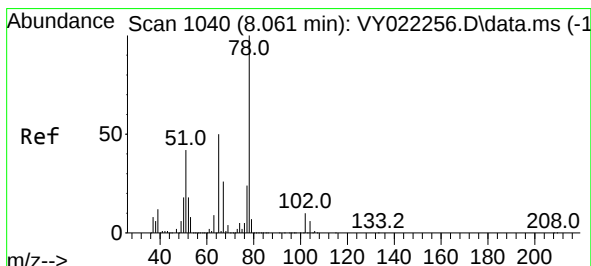
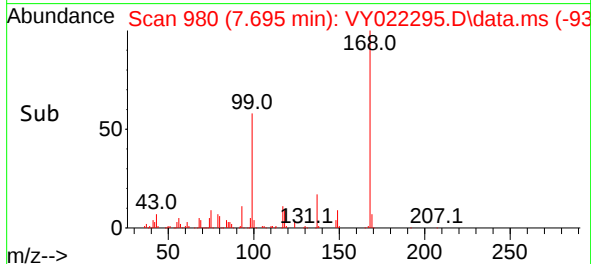
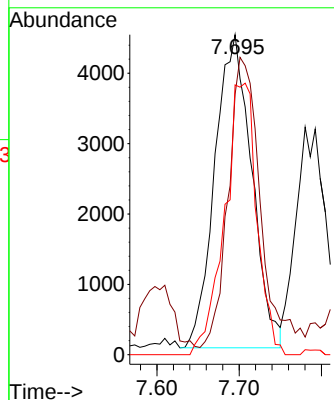
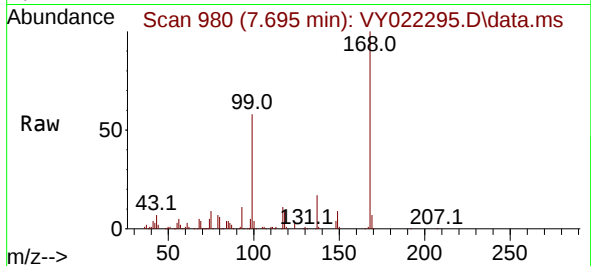




#31
Cyclohexane
Concen: 2.358 ug/l
RT: 7.695 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

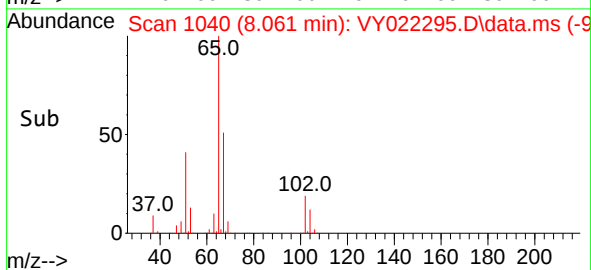
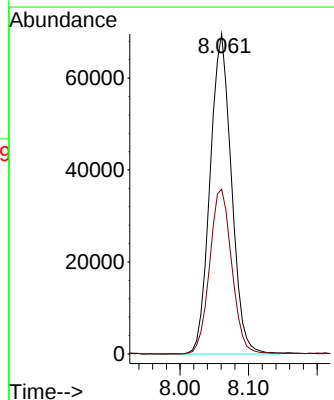
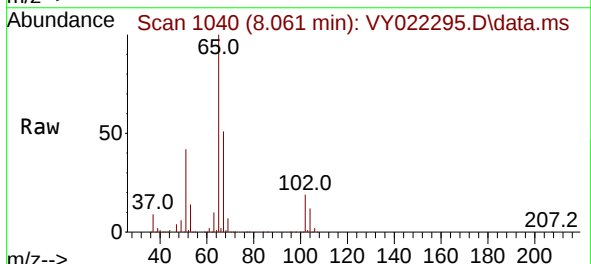
Instrument :
MSVOA_Y
ClientSampleId :
TP-24

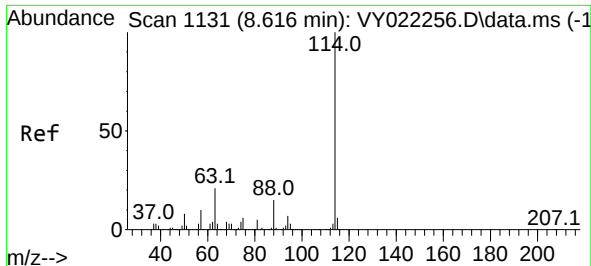
Tgt Ion: 56 Resp: 13843
Ion Ratio Lower Upper
56 100
69 78.7 27.4 41.2#
84 86.2 70.0 105.0



#33
1,2-Dichloroethane-d4
Concen: 51.934 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

Tgt Ion: 65 Resp: 150720
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6

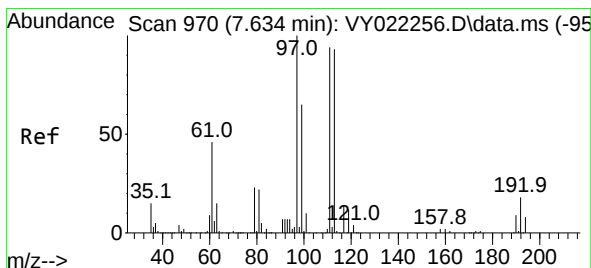
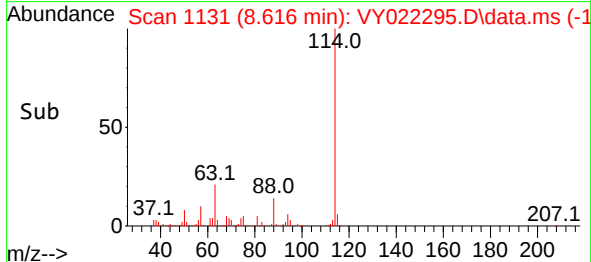
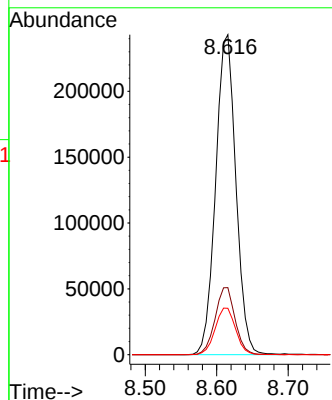
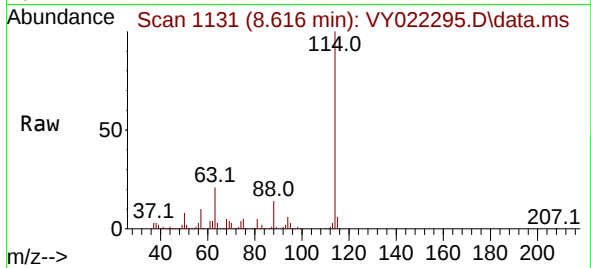




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022295.D
 Acq: 16 May 2025 16:48

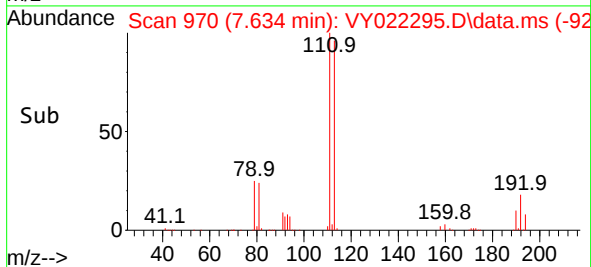
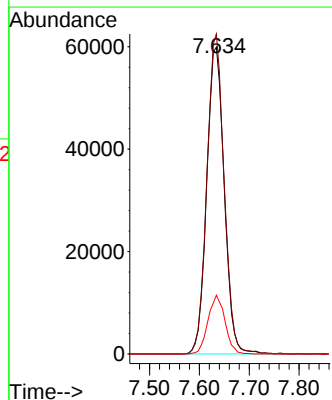
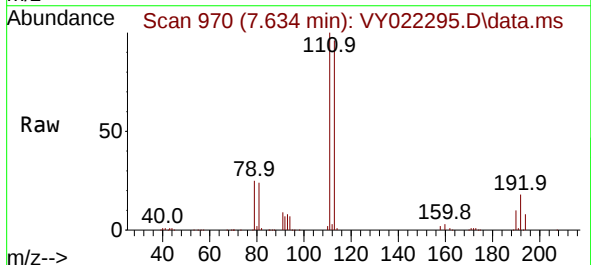
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24

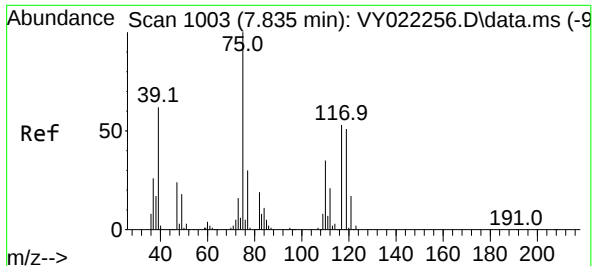
Tgt Ion:114 Resp: 477294
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.0
 88 14.5 0.0 29.4



#35
 Dibromofluoromethane
 Concen: 51.238 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. -0.000 min
 Lab File: VY022295.D
 Acq: 16 May 2025 16:48

Tgt Ion:113 Resp: 145964
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.6 123.8
 192 18.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-24

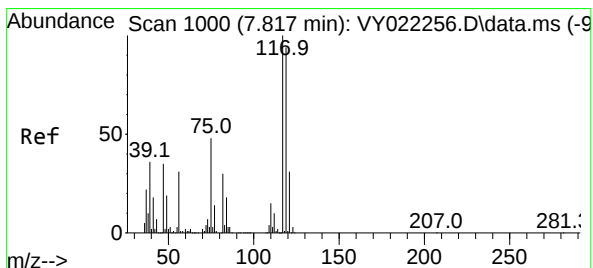
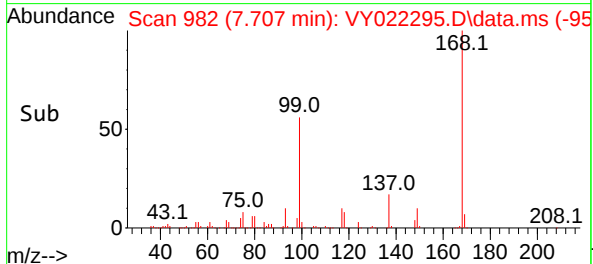
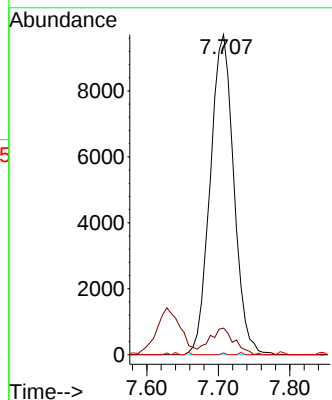
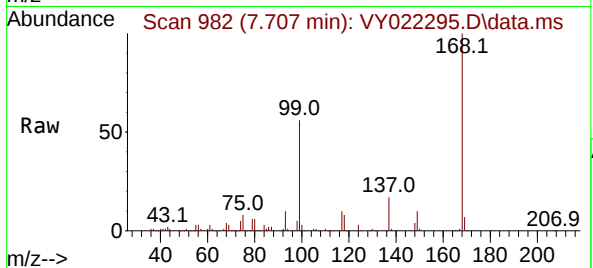
Tgt Ion: 75 Resp: 22266

Ion Ratio Lower Upper

75 100

110 8.6 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.535 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

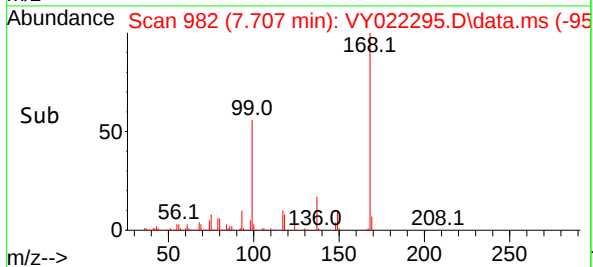
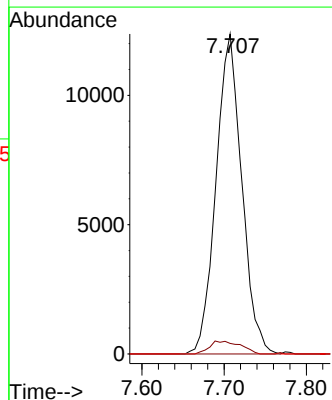
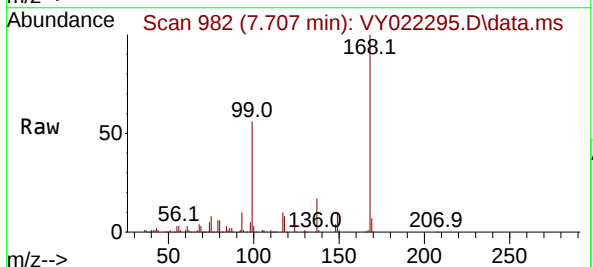
Tgt Ion: 117 Resp: 26882

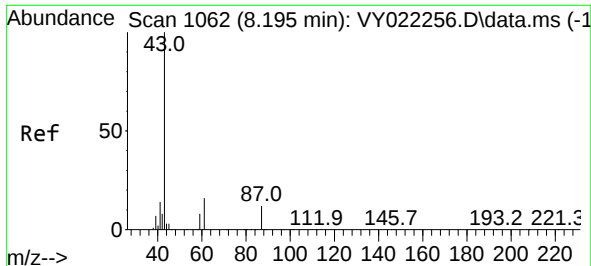
Ion Ratio Lower Upper

117 100

119 3.3 75.3 112.9#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.348 ug/l

RT: 8.183 min Scan# 1060

Delta R.T. -0.012 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-24

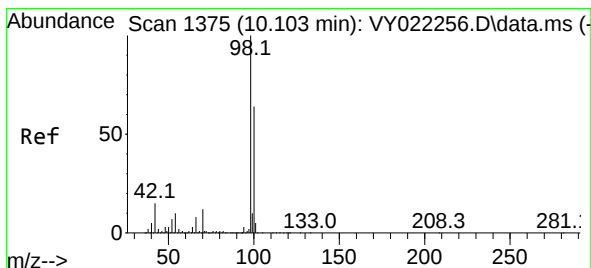
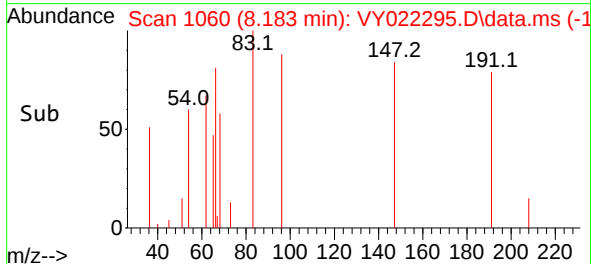
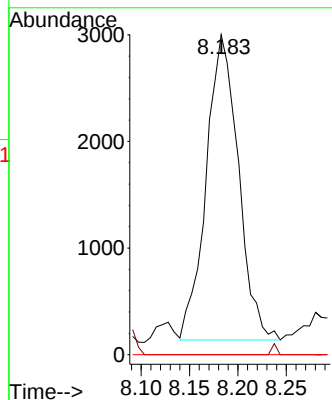
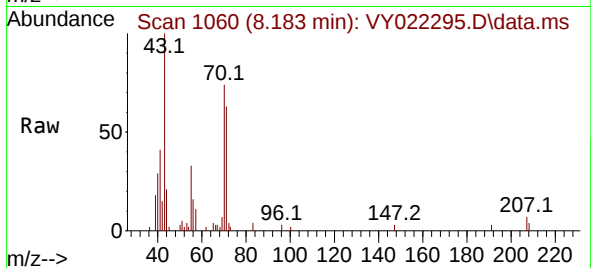
Tgt Ion: 43 Resp: 6638

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.7 14.5#



#50

Toluene-d8

Concen: 49.138 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022295.D

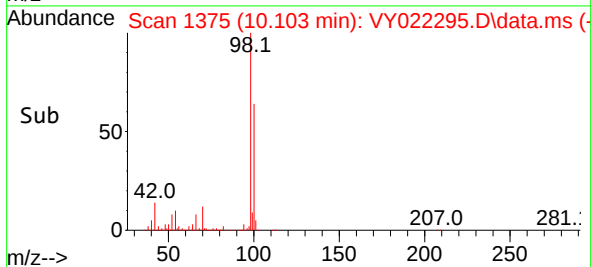
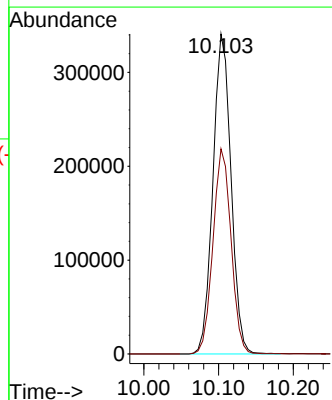
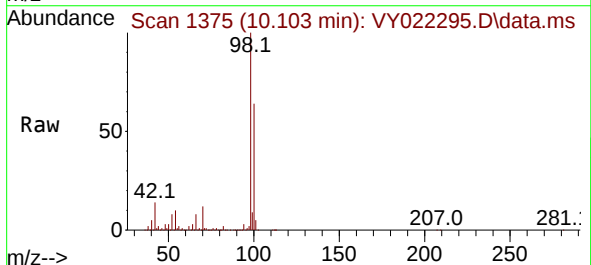
Acq: 16 May 2025 16:48

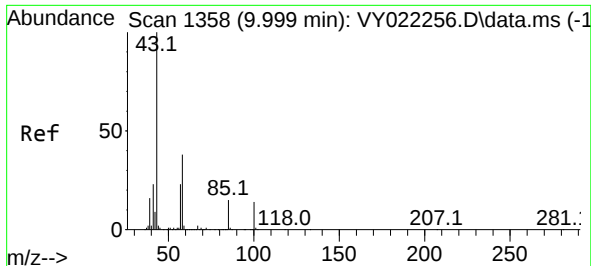
Tgt Ion: 98 Resp: 573315

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.642 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

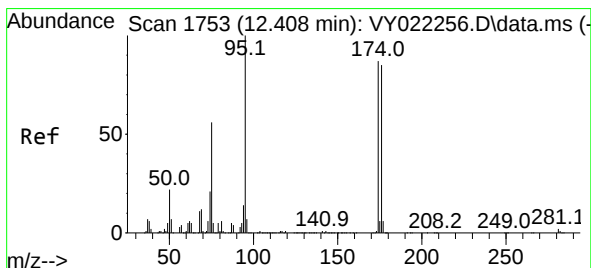
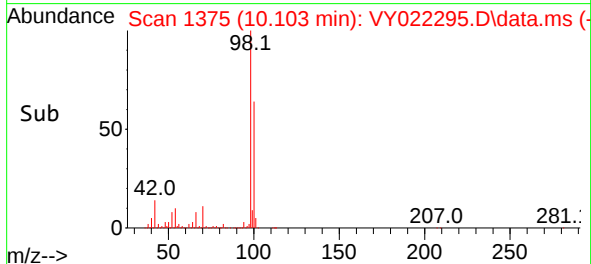
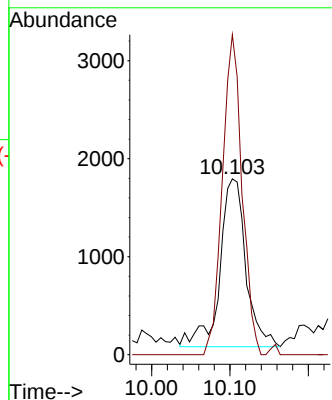
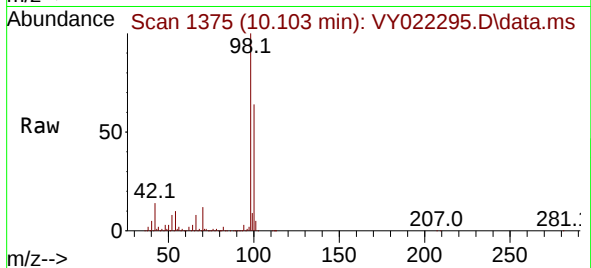
TP-24

Tgt Ion: 43 Resp: 3966

Ion Ratio Lower Upper

43 100

58 144.0 29.4 44.2#



#62

4-Bromofluorobenzene

Concen: 43.366 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

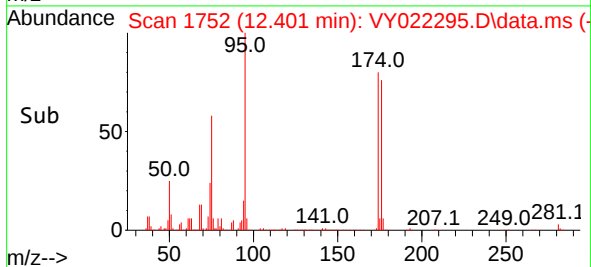
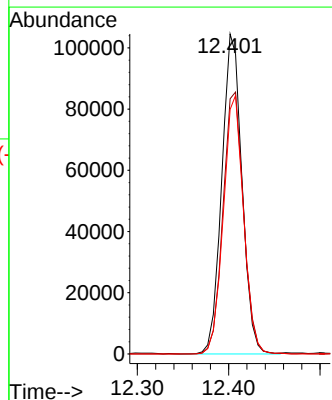
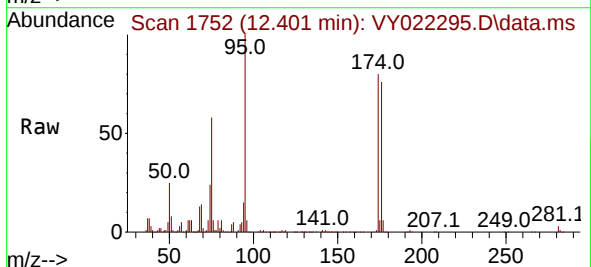
Tgt Ion: 95 Resp: 160374

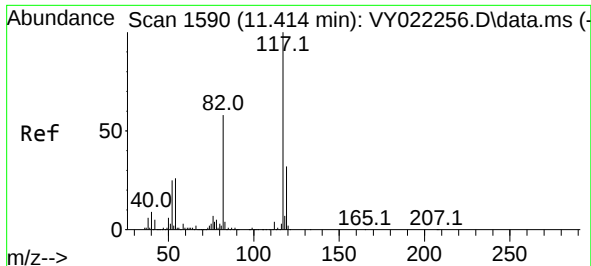
Ion Ratio Lower Upper

95 100

174 83.8 0.0 166.8

176 81.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-24

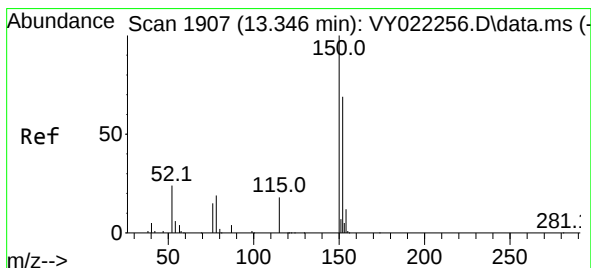
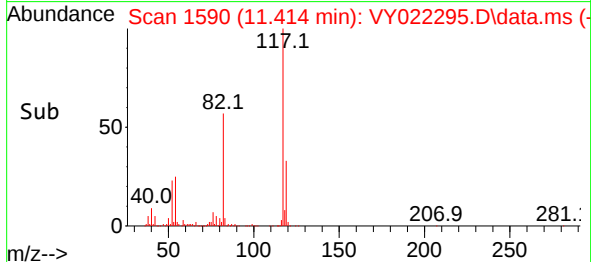
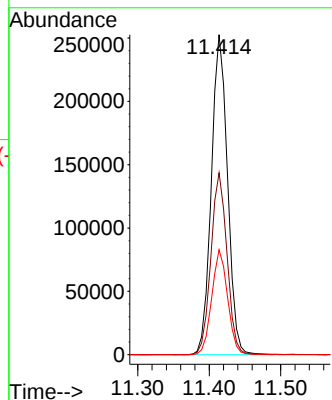
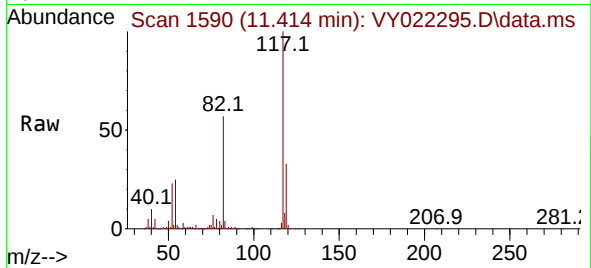
Tgt Ion:117 Resp: 397008

Ion Ratio Lower Upper

117 100

82 56.8 46.6 70.0

119 32.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022295.D

Acq: 16 May 2025 16:48

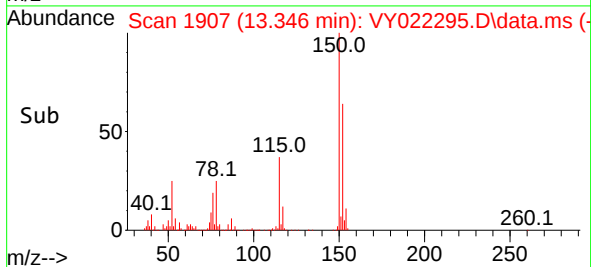
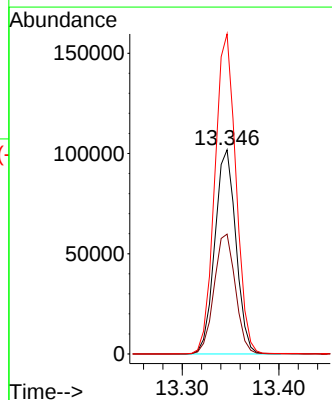
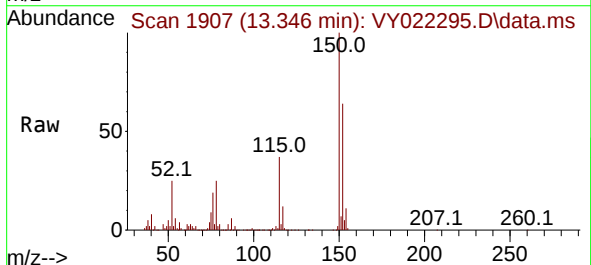
Tgt Ion:152 Resp: 154080

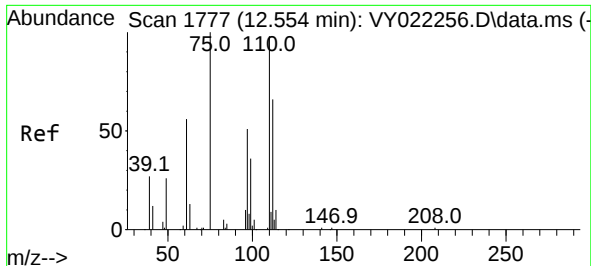
Ion Ratio Lower Upper

152 100

115 59.4 29.4 88.2

150 157.1 0.0 353.8

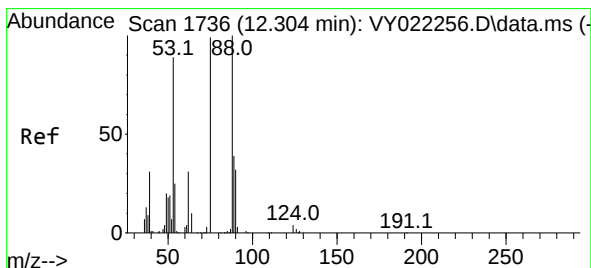
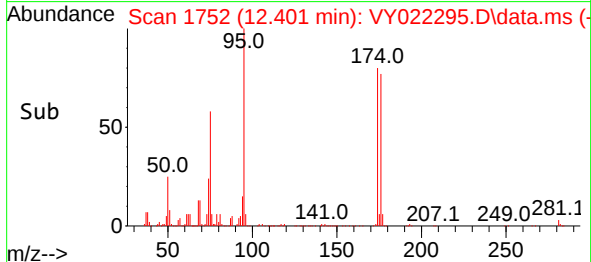
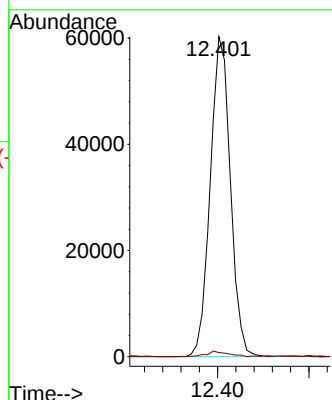
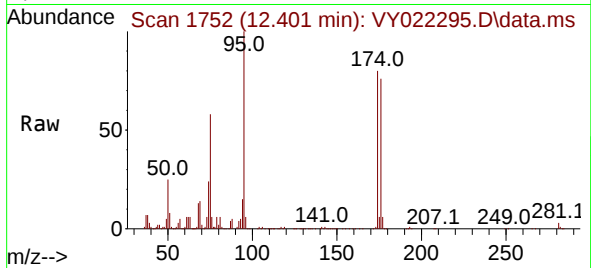




#76
1,2,3-Trichloropropane
Concen: 58.977 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

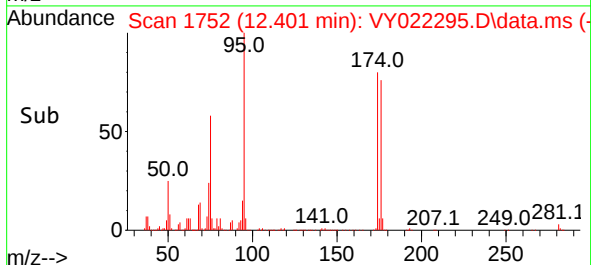
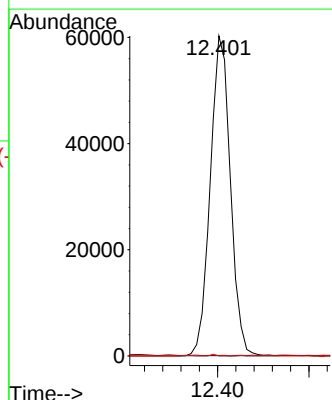
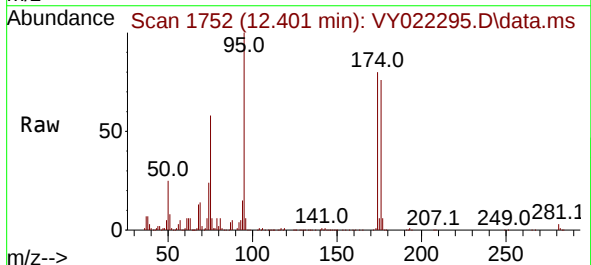
Instrument :
MSVOA_Y
ClientSampleId :
TP-24

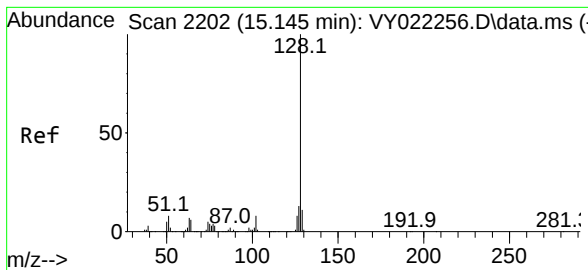
Tgt Ion: 75 Resp: 92062
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.472 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022295.D
Acq: 16 May 2025 16:48

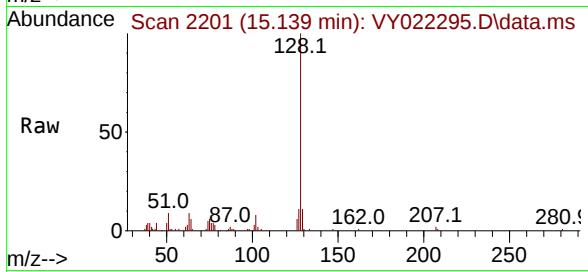
Tgt Ion: 75 Resp: 92062
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.1 36.2 54.2#





#95
 Naphthalene
 Concen: 4.036 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY022295.D
 Acq: 16 May 2025 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24



Tgt Ion:	128	Resp:	20682
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.8	8.8	13.2

