

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022416.D
 Acq On : 23 May 2025 19:11
 Operator : SY/MD
 Sample : Q2100-01
 Misc : 10.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16

Quant Time: May 23 23:24:27 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)

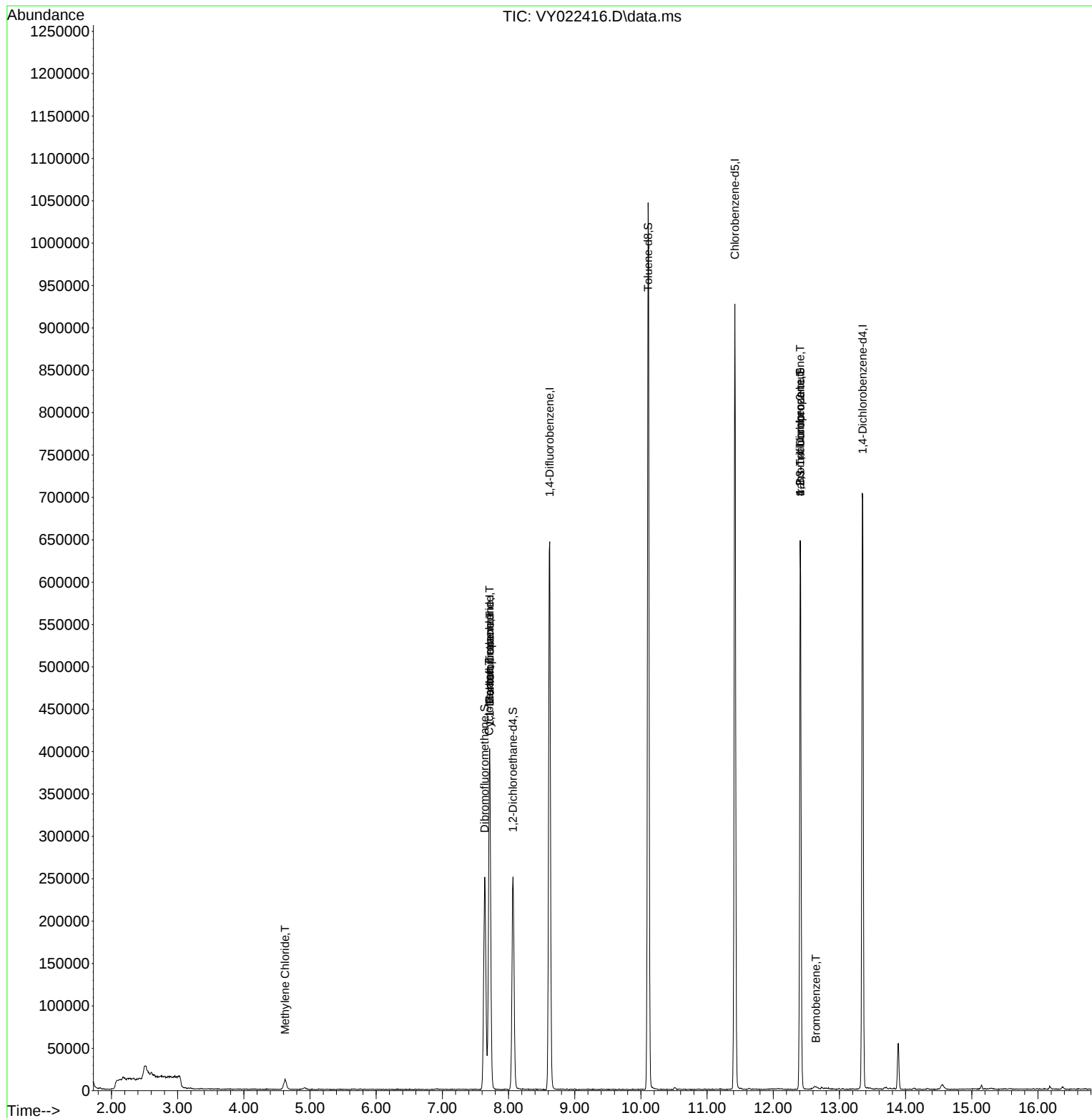
Internal Standards						
1) Pentafluorobenzene	7.713	168	303749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	546937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	169695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	184083	55.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.900%	
35) Dibromofluoromethane	7.640	113	169380	51.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.780%	
50) Toluene-d8	10.109	98	652262	48.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.580%	
62) 4-Bromofluorobenzene	12.408	95	173216	40.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.740%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	7215	1.794	ug/l #	91
31) Cyclohexane	7.707	56	8033	1.196	ug/l #	41
36) 1,1-Dichloropropene	7.719	75	26402	4.910	ug/l #	50
38) Carbon Tetrachloride	7.713	117	30796	5.533	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	101613	59.105	ug/l #	100
77) Bromobenzene	12.645	156	3912	1.303	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	101613	119.732	ug/l #	12

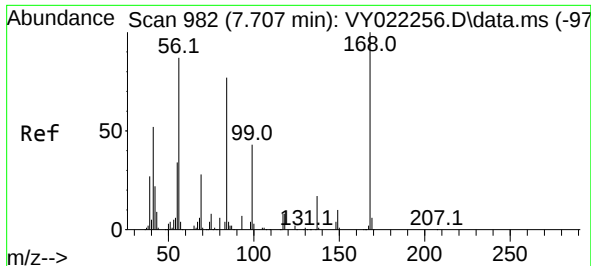
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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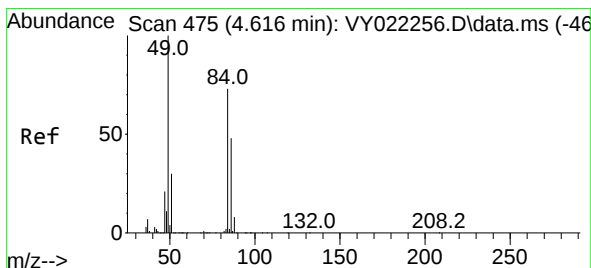
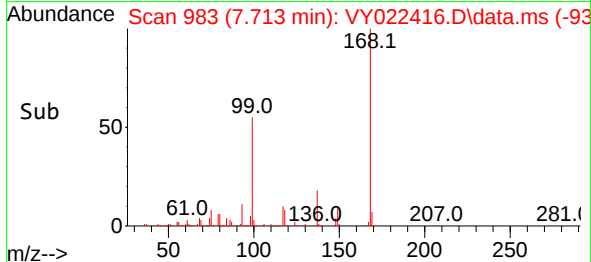
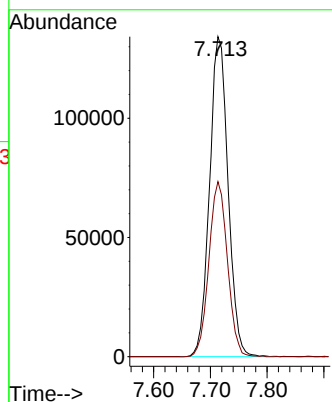
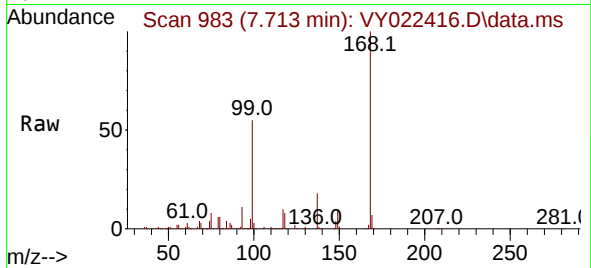




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

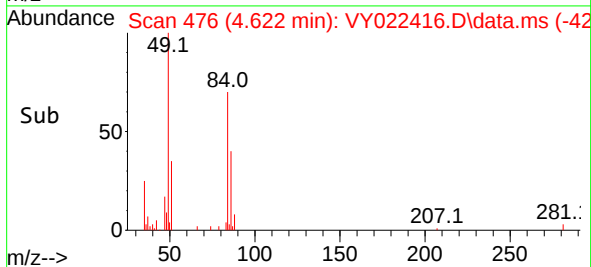
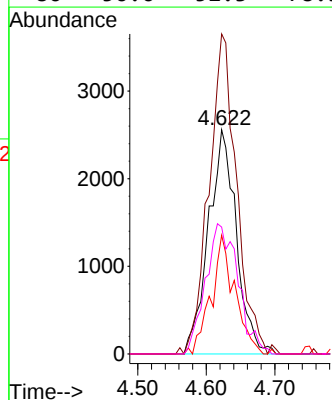
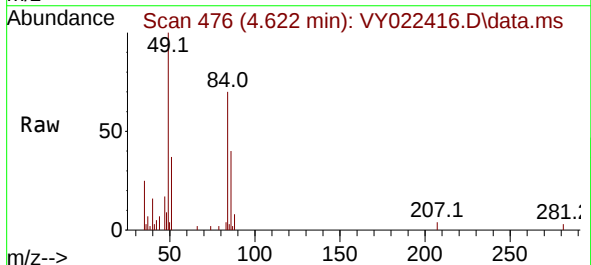
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

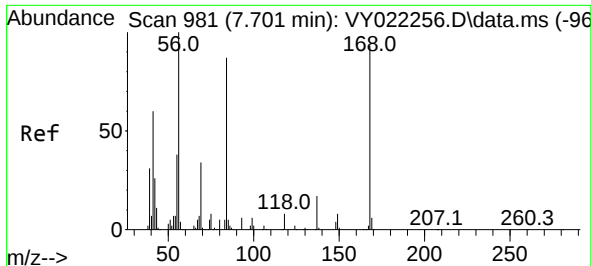
Tgt Ion:168 Resp: 303749
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#20
Methylene Chloride
Concen: 1.794 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Tgt Ion: 84 Resp: 7215
Ion Ratio Lower Upper
84 100
49 142.8 109.6 164.4
51 52.9 32.4 48.6#
86 56.6 52.3 78.5

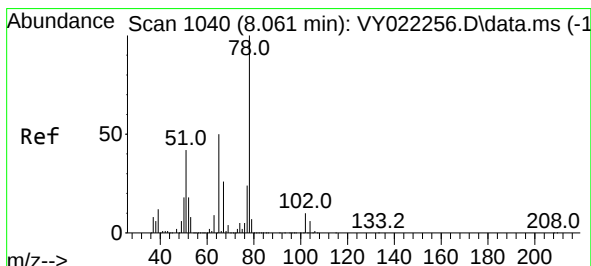
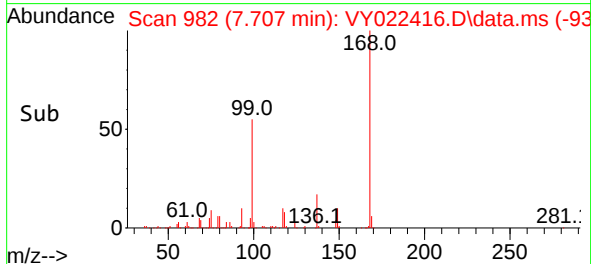
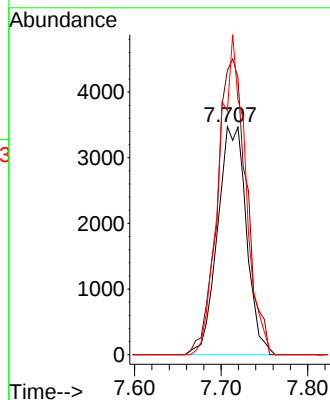
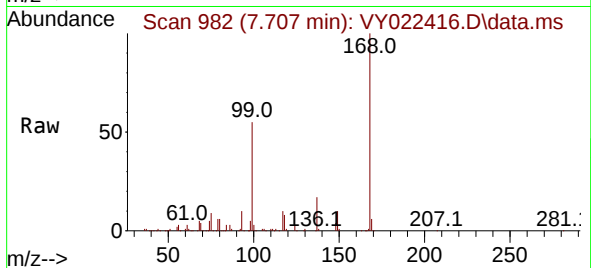




#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

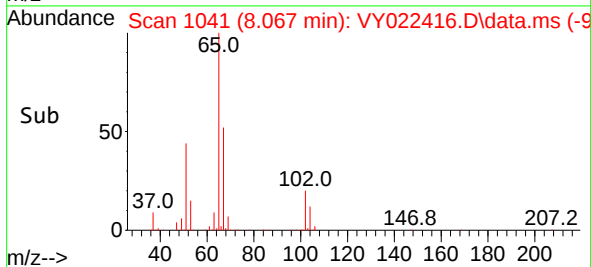
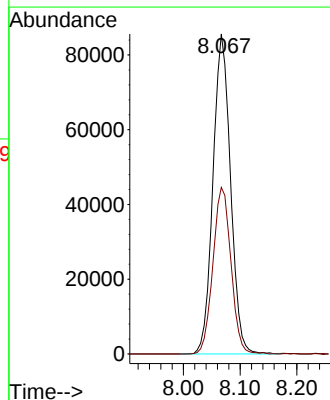
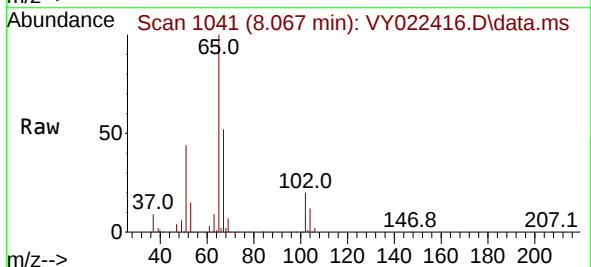
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

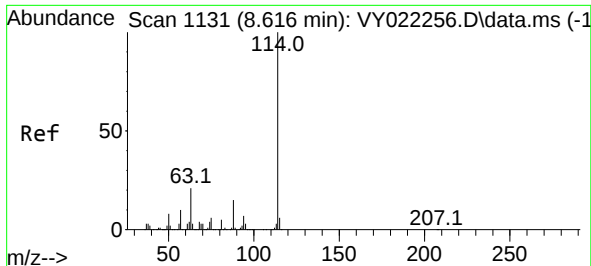
Tgt Ion: 56 Resp: 8033
Ion Ratio Lower Upper
56 100
69 124.6 27.4 41.2#
84 107.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 55.452 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Tgt Ion: 65 Resp: 184083
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

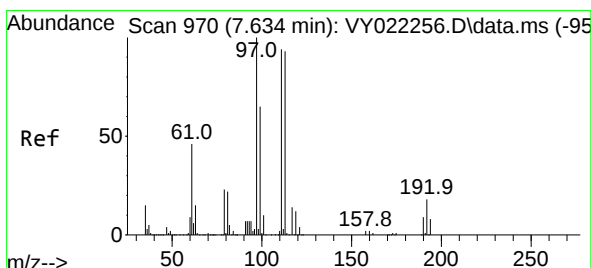
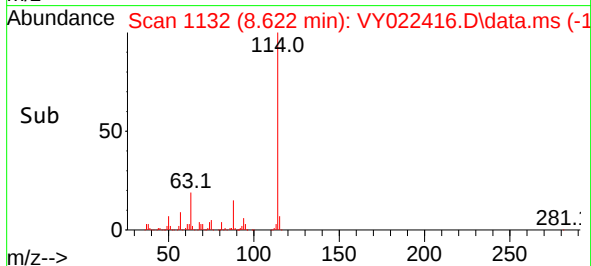
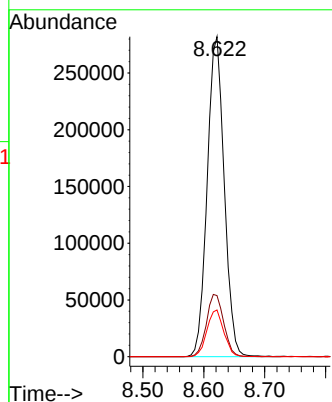
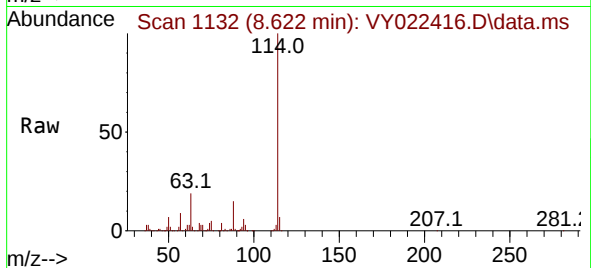
Tgt Ion:114 Resp: 546937

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.886 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

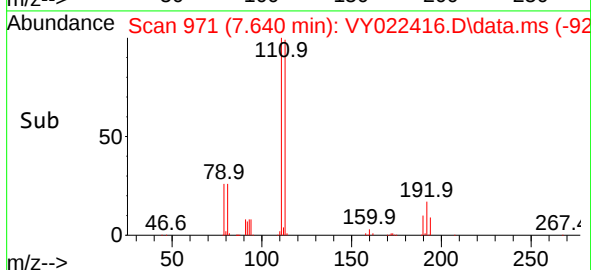
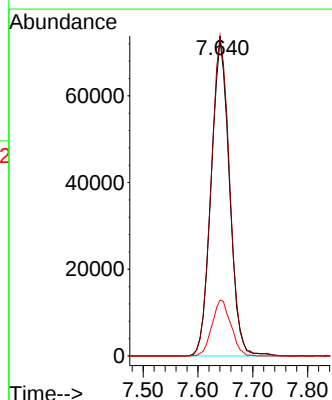
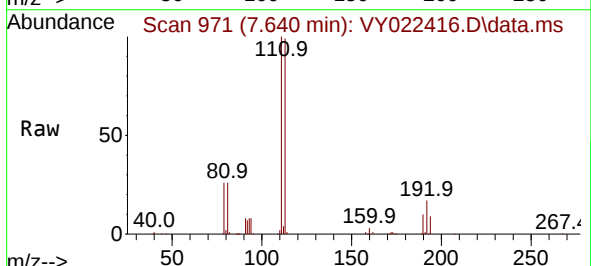
Tgt Ion:113 Resp: 169380

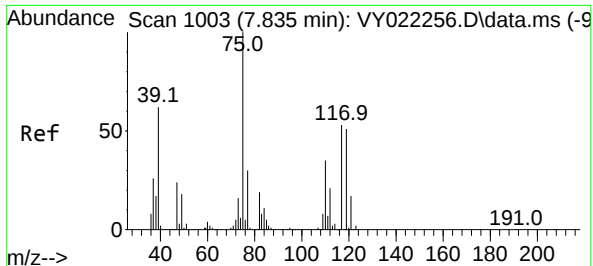
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.910 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

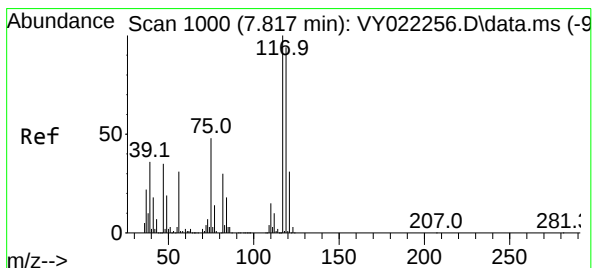
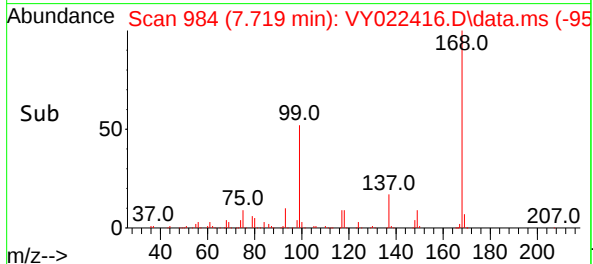
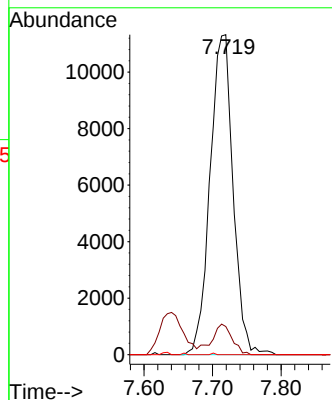
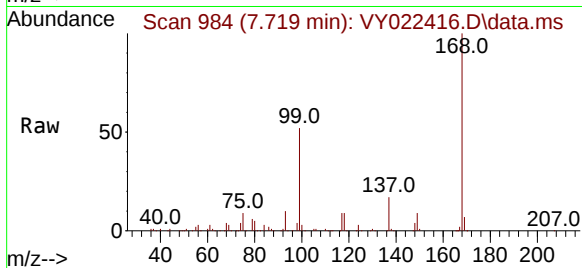
Tgt Ion: 75 Resp: 26402

Ion Ratio Lower Upper

75 100

110 7.6 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.533 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

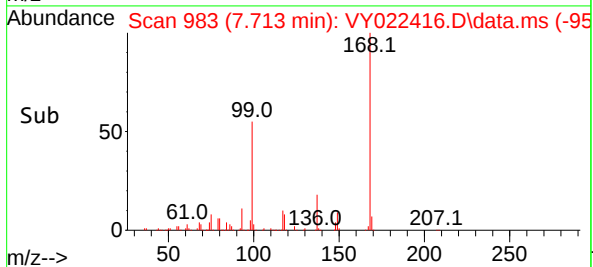
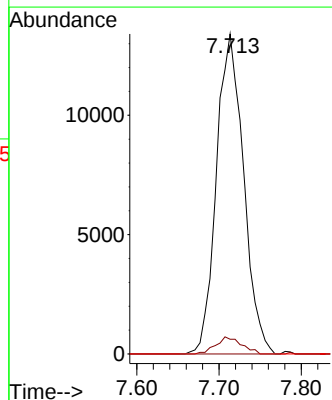
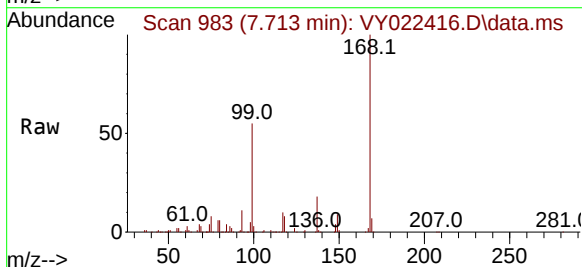
Tgt Ion: 117 Resp: 30796

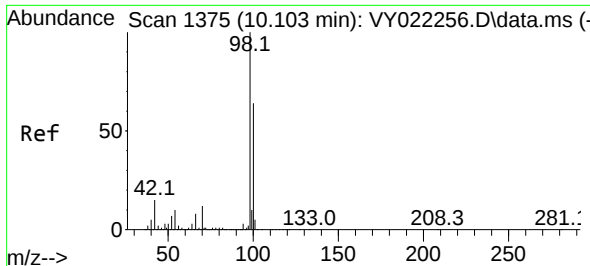
Ion Ratio Lower Upper

117 100

119 4.6 75.3 112.9#

121 0.0 24.7 37.1#

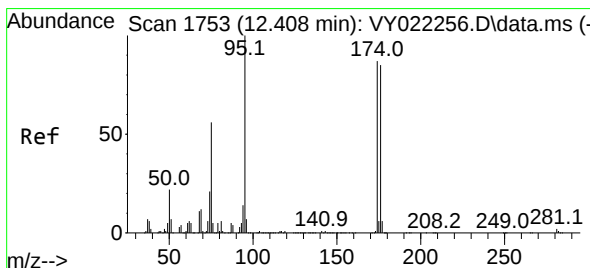
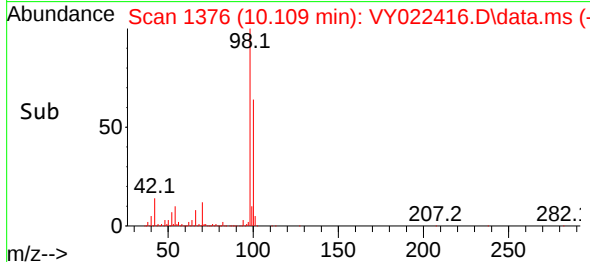
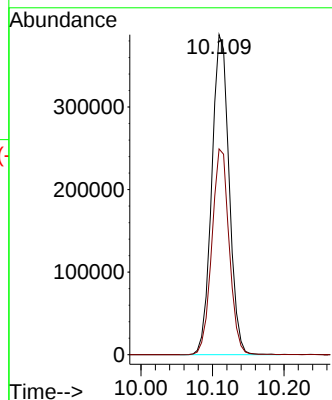
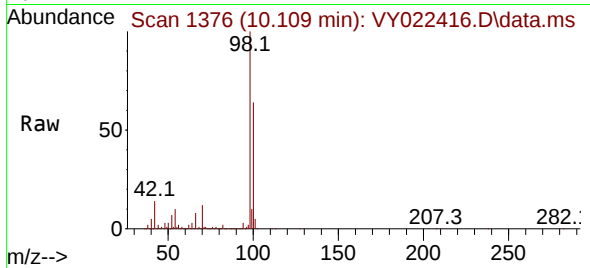




#50
Toluene-d8
Concen: 48.786 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

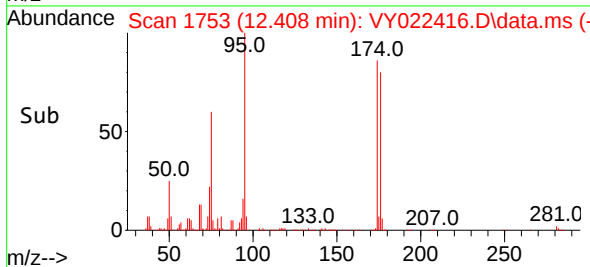
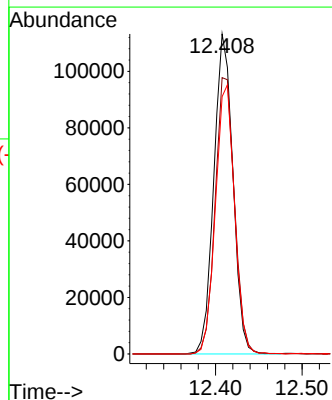
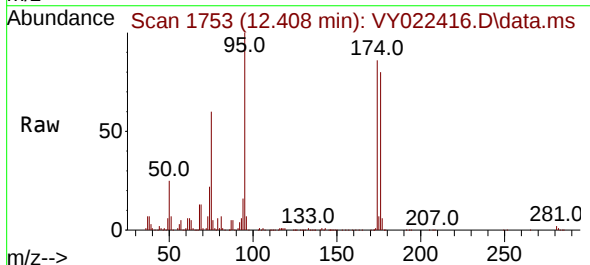
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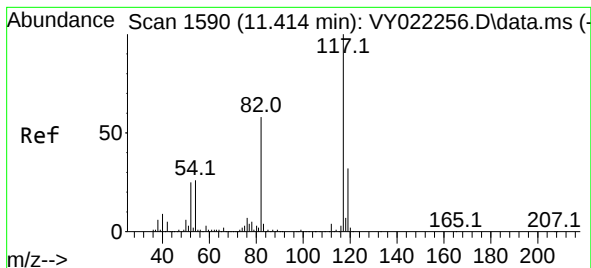
Tgt Ion: 98 Resp: 652262
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.875 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Tgt Ion: 95 Resp: 173216
Ion Ratio Lower Upper
95 100
174 87.8 0.0 166.8
176 84.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-16

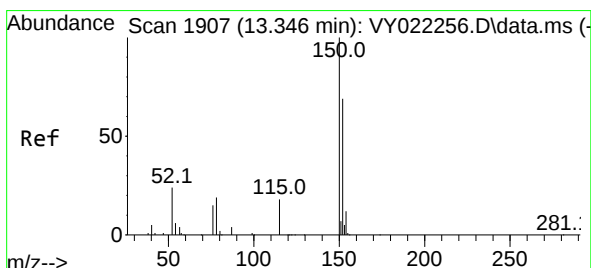
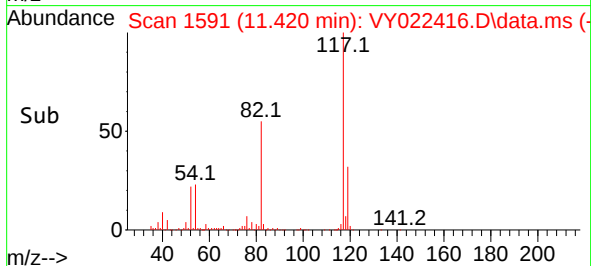
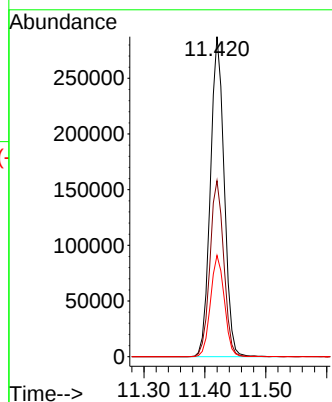
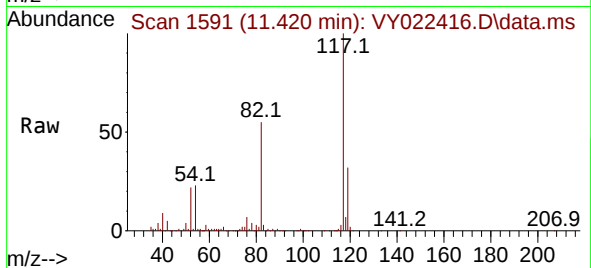
Tgt Ion:117 Resp: 451641

Ion Ratio Lower Upper

117 100

82 55.0 46.6 70.0

119 31.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022416.D

Acq: 23 May 2025 19:11

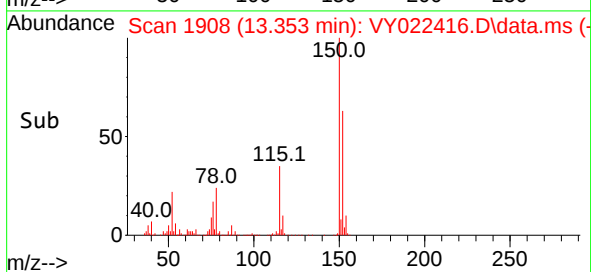
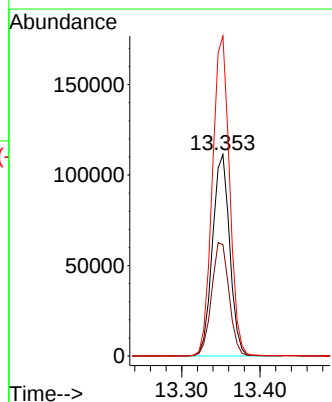
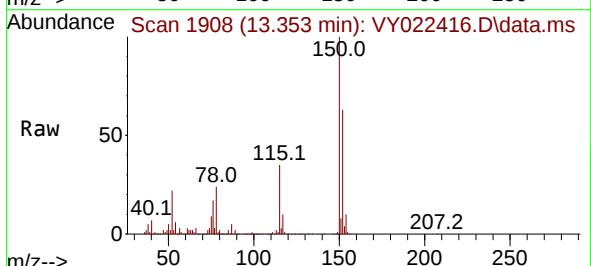
Tgt Ion:152 Resp: 169695

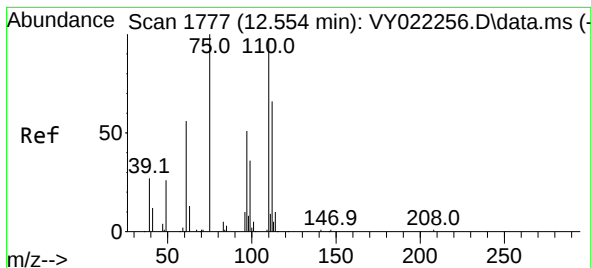
Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 158.4 0.0 353.8

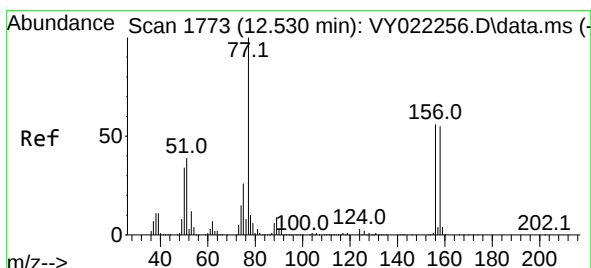
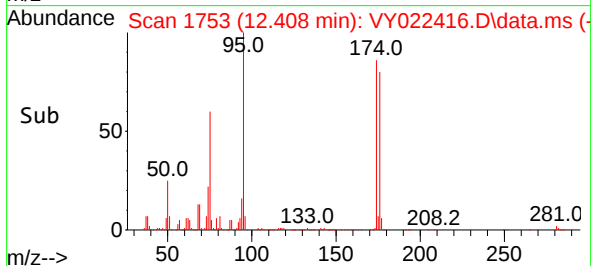
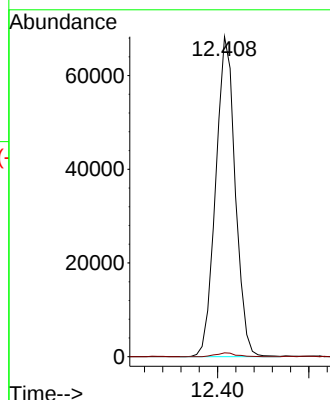
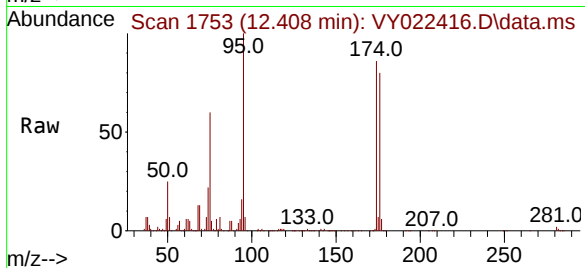




#76
1,2,3-Trichloropropane
Concen: 59.105 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

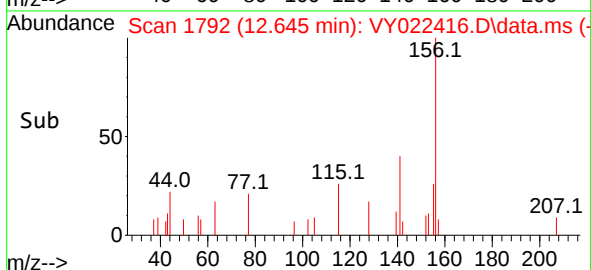
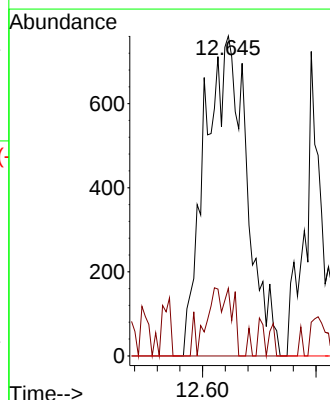
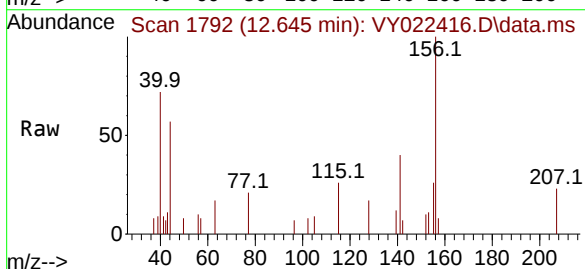
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

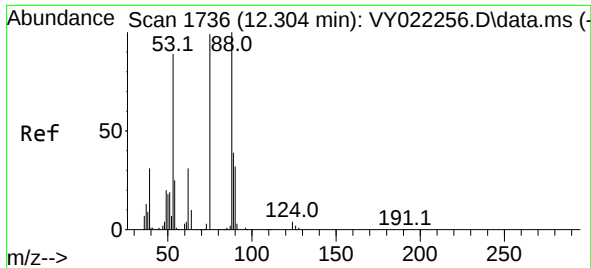
Tgt Ion: 75 Resp: 101613
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#77
Bromobenzene
Concen: 1.303 ug/l
RT: 12.645 min Scan# 1792
Delta R.T. 0.116 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

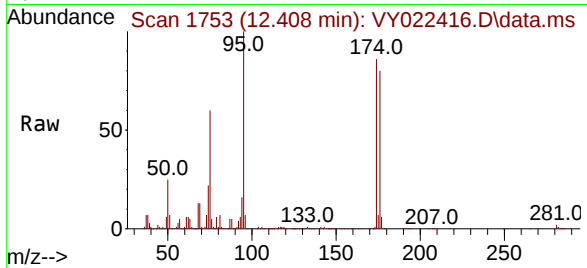
Tgt Ion: 156 Resp: 3912
Ion Ratio Lower Upper
156 100
77 0.0 94.5 283.6#
158 0.0 48.4 145.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 119.732 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022416.D
Acq: 23 May 2025 19:11

Instrument :
MSVOA_Y
ClientSampleId :
TP-16



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.1	36.2	54.2#

