

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022304.D
 Acq On : 19 May 2025 09:00
 Operator : SY/MD
 Sample : VY0519SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBL01

Quant Time: May 20 01:08:12 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)

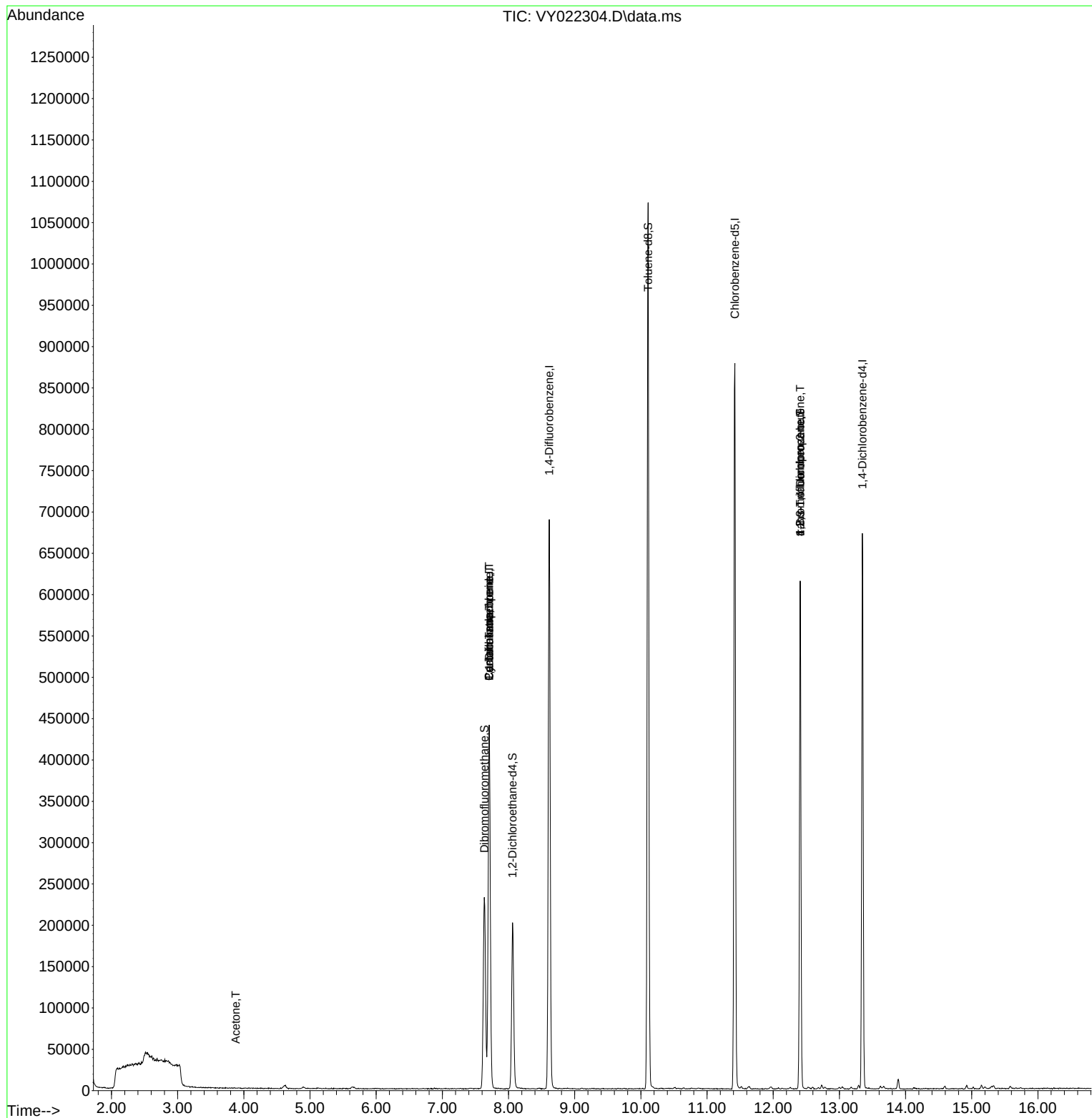
Internal Standards						
1) Pentafluorobenzene	7.707	168	331048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	571469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	438659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148693	41.098	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.200%		
35) Dibromofluoromethane	7.634	113	161852	47.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.900%		
50) Toluene-d8	10.109	98	681316	48.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.540%		
62) 4-Bromofluorobenzene	12.408	95	166911	37.696	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.400%		
Target Compounds					Qvalue	
16) Acetone	3.879	43	776	1.144	ug/l #	88
31) Cyclohexane	7.707	56	8643	1.181	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	28298	5.037	ug/l #	51
38) Carbon Tetrachloride	7.707	117	33779	5.809	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	98374	61.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	98374	124.484	ug/l #	12

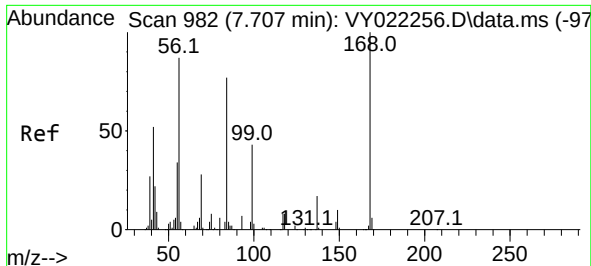
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VY0519SBL01

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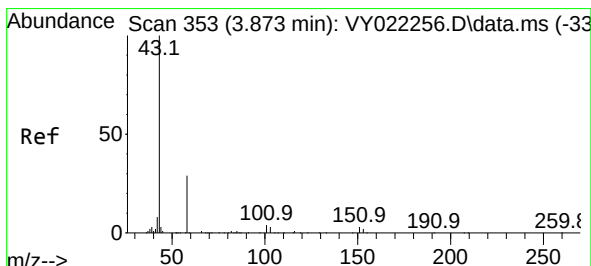
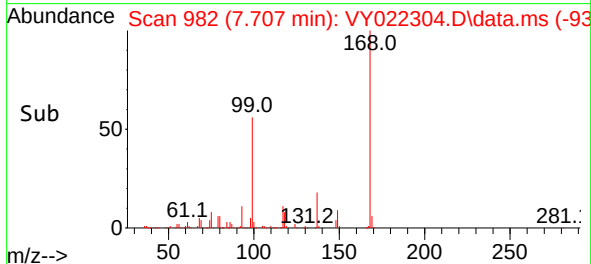
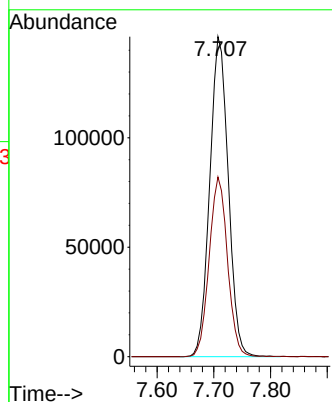
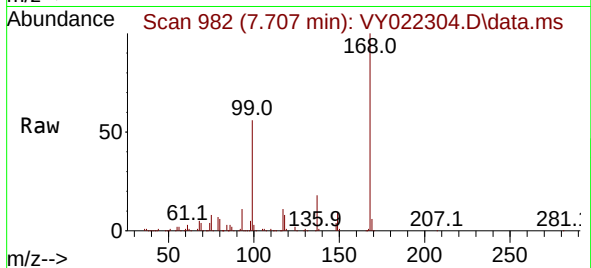




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

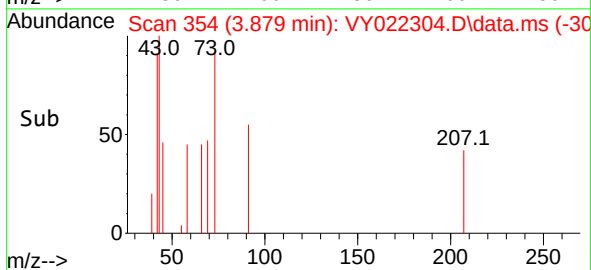
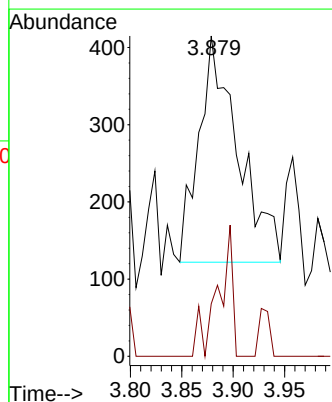
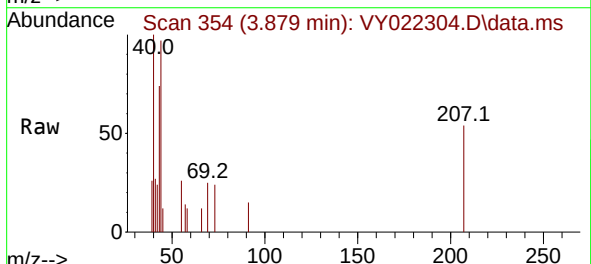
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

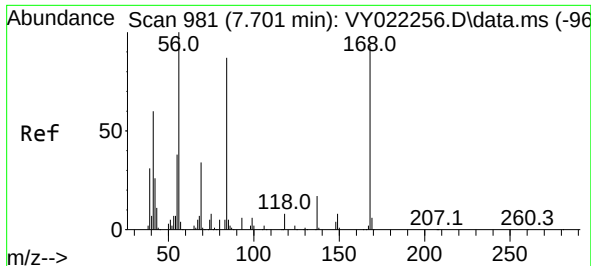
Tgt Ion:168 Resp: 331048
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#16
Acetone
Concen: 1.144 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
58 23.2 23.6 35.4#

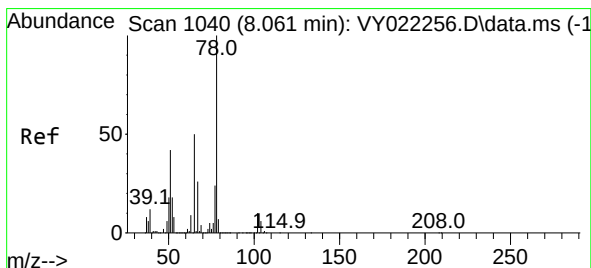
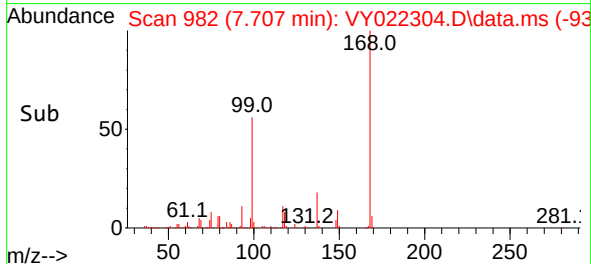
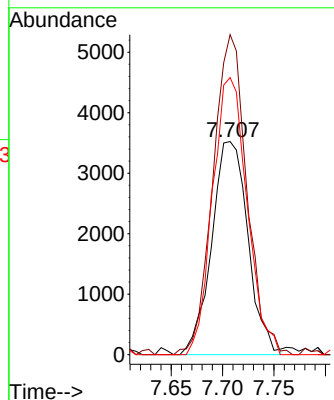
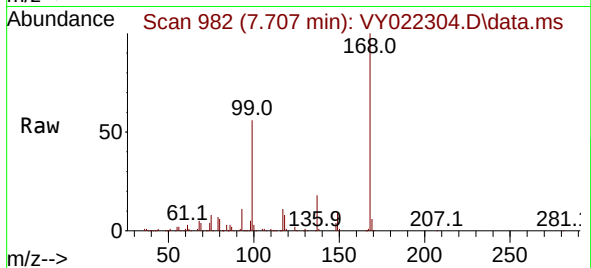




#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

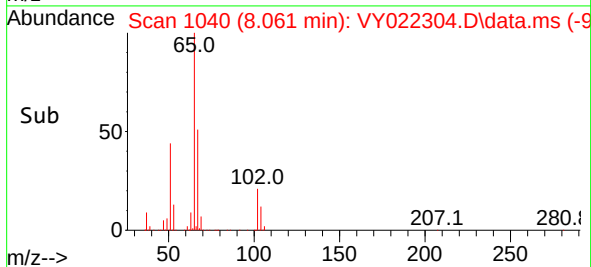
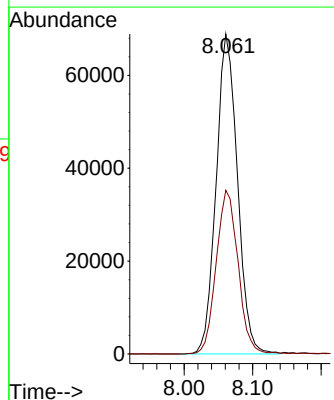
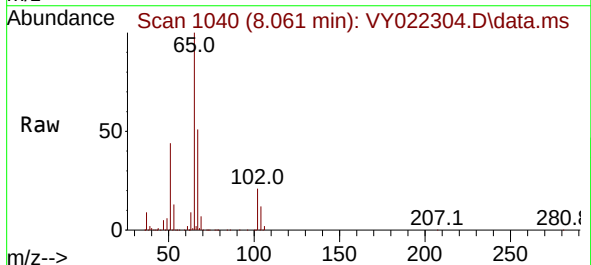
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

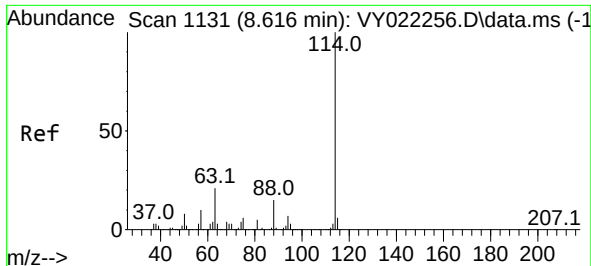
Tgt Ion: 56 Resp: 8643
Ion Ratio Lower Upper
56 100
69 148.5 27.4 41.2#
84 130.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 41.098 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 65 Resp: 148693
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

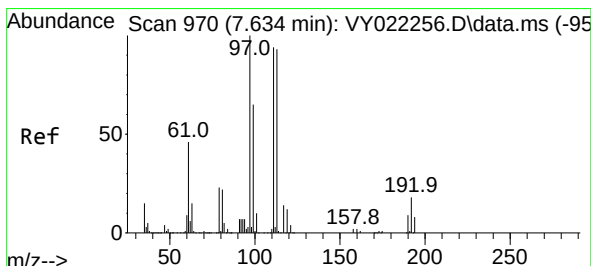
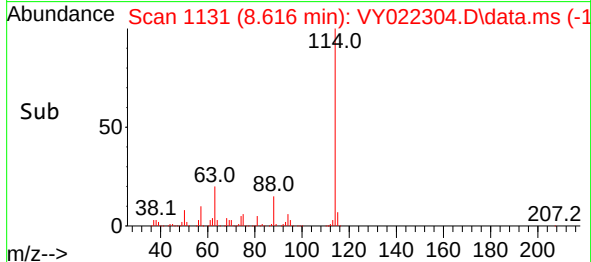
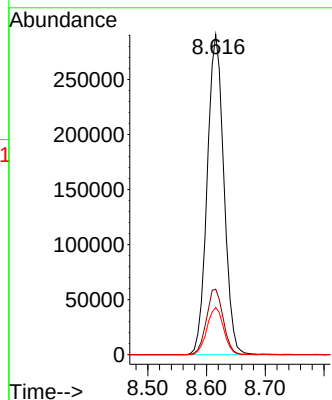
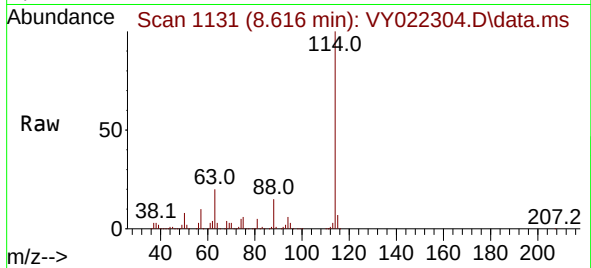




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

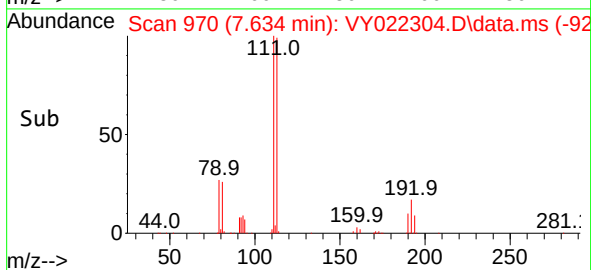
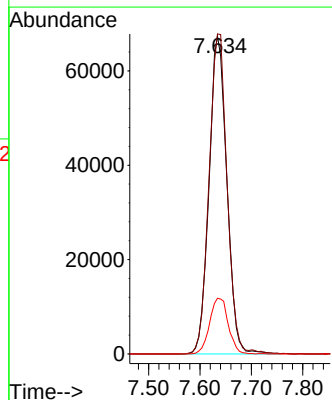
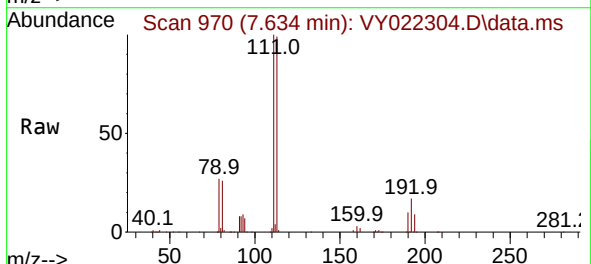
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

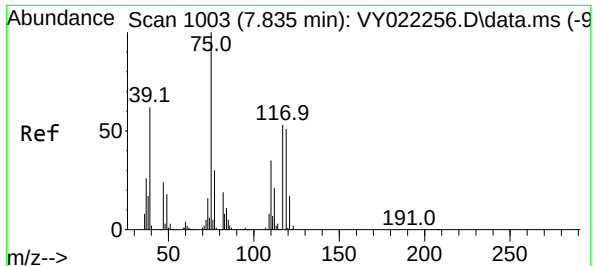
Tgt Ion:114 Resp: 571469
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 14.7 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.452 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion:113 Resp: 161852
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.037 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022304.D

Acq: 19 May 2025 09:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBL01

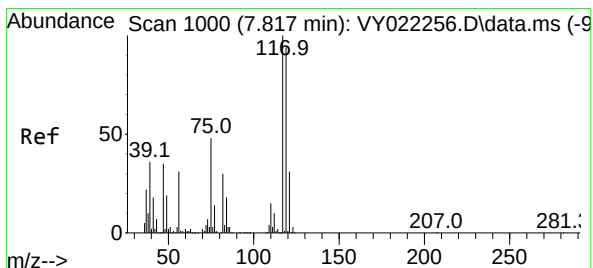
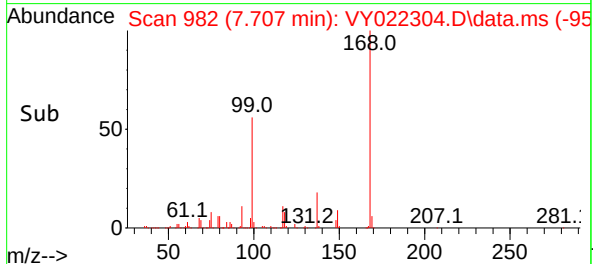
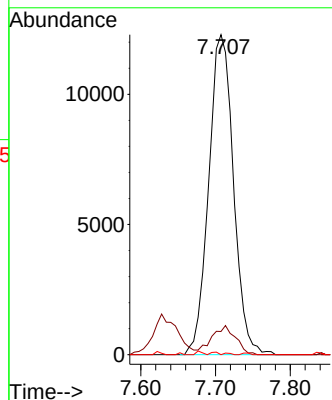
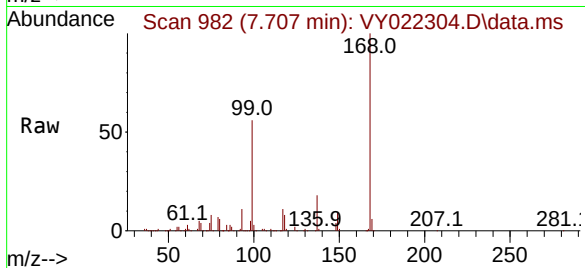
Tgt Ion: 75 Resp: 28298

Ion Ratio Lower Upper

75 100

110 8.7 16.6 49.8#

77 0.4 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.809 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022304.D

Acq: 19 May 2025 09:00

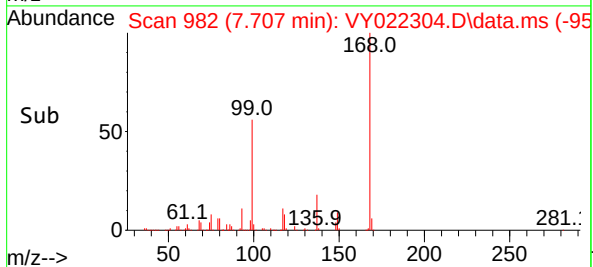
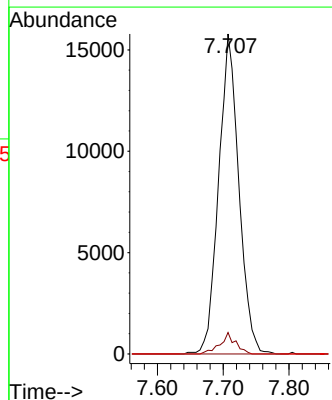
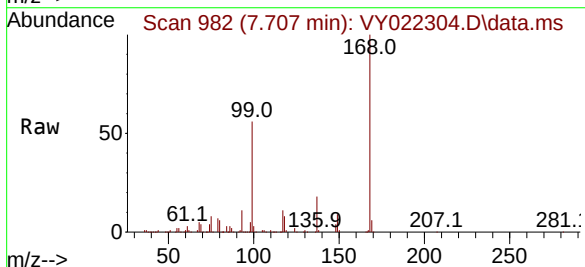
Tgt Ion: 117 Resp: 33779

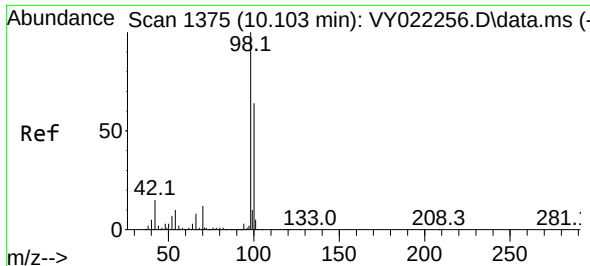
Ion Ratio Lower Upper

117 100

119 6.7 75.3 112.9#

121 0.0 24.7 37.1#

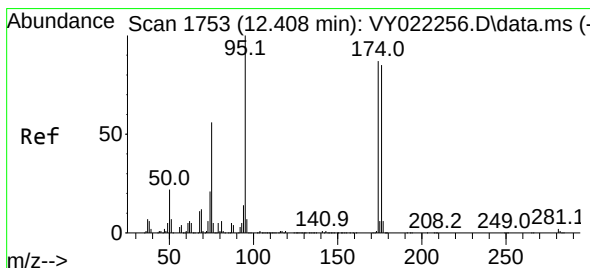
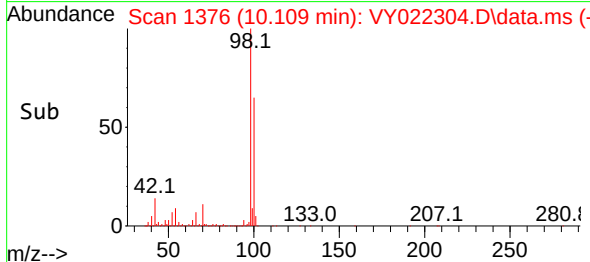
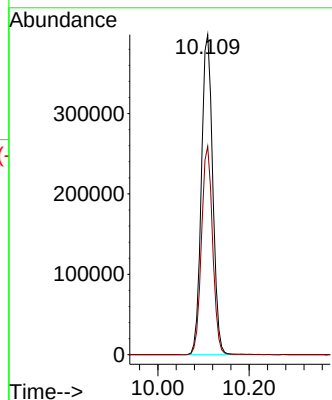
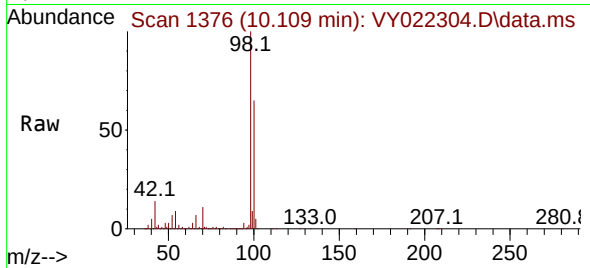




#50
Toluene-d8
Concen: 48.772 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

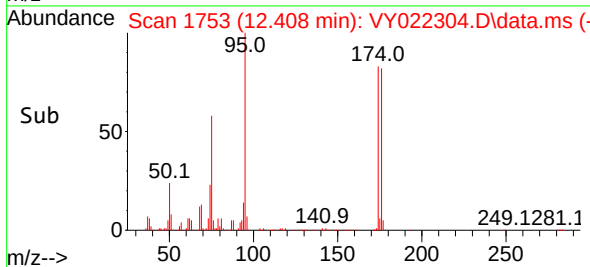
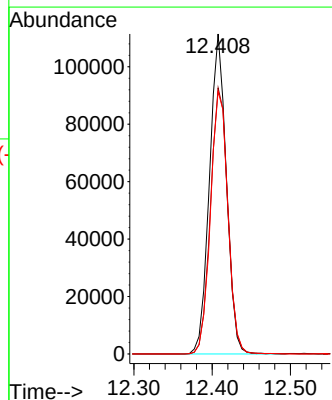
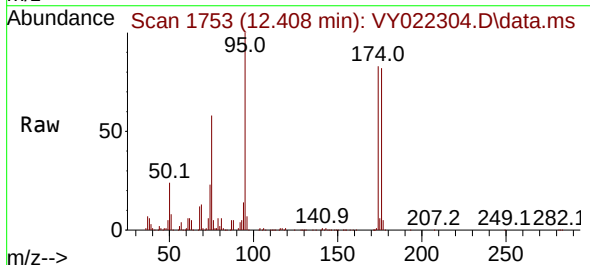
Instrument :
MSVOA_Y
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VY0519SBL01

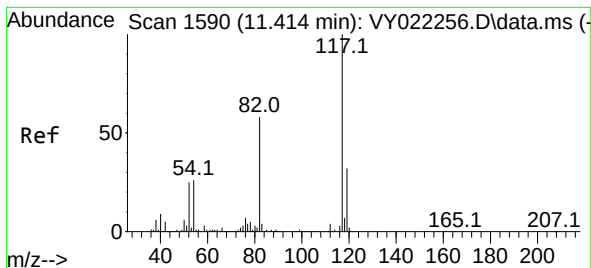
Tgt Ion: 98 Resp: 681316
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.696 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 95 Resp: 166911
Ion Ratio Lower Upper
95 100
174 85.5 0.0 166.8
176 84.4 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: VY022304.D

Acq: 19 May 2025 09:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBL01

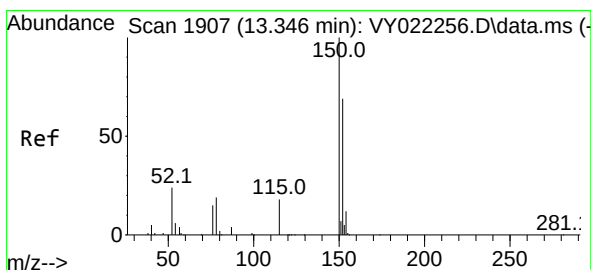
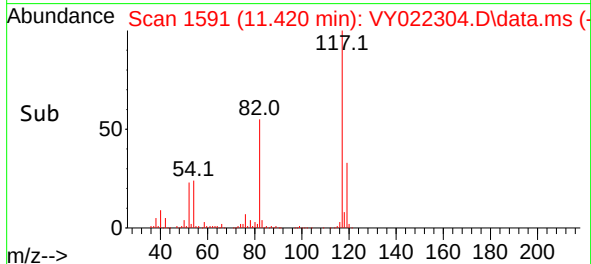
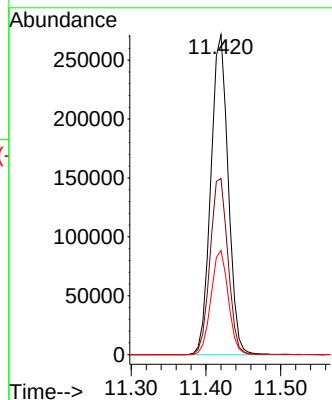
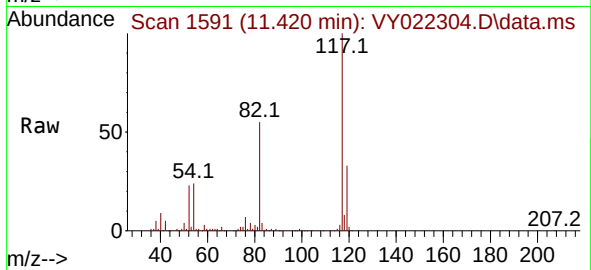
Tgt Ion:117 Resp: 438659

Ion Ratio Lower Upper

117 100

82 55.1 46.6 70.0

119 32.5 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: VY022304.D

Acq: 19 May 2025 09:00

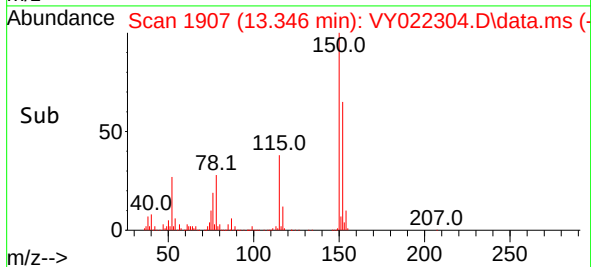
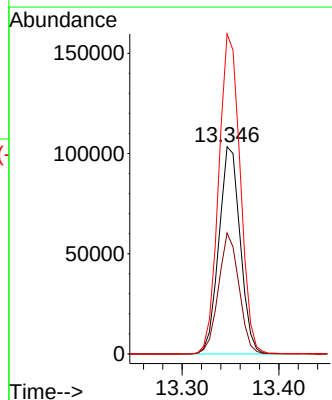
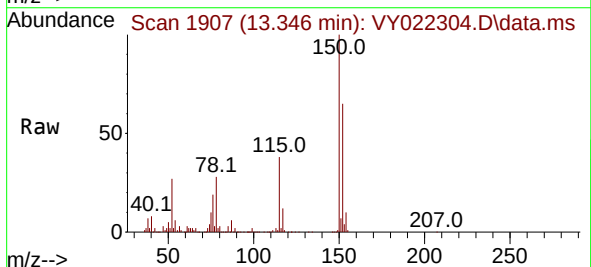
Tgt Ion:152 Resp: 158015

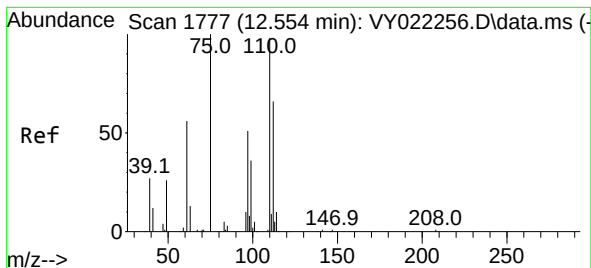
Ion Ratio Lower Upper

152 100

115 56.4 29.4 88.2

150 156.2 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 61.451 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022304.D

Acq: 19 May 2025 09:00

Instrument :

MSVOA_Y

ClientSampleId :

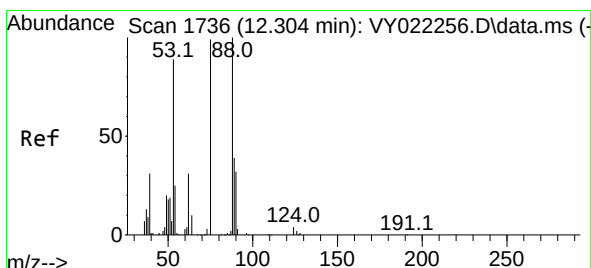
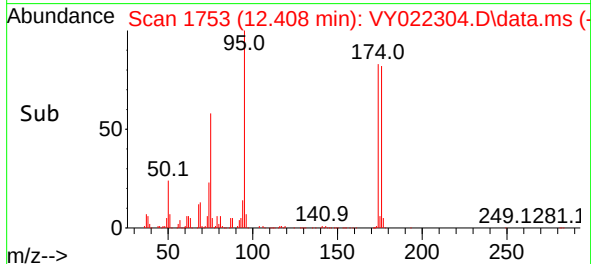
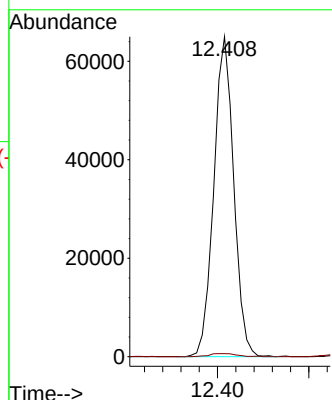
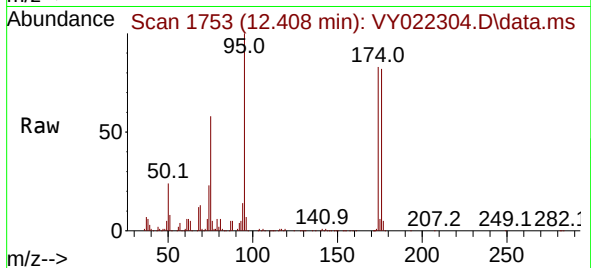
VY0519SBL01

Tgt Ion: 75 Resp: 98374

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.484 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022304.D

Acq: 19 May 2025 09:00

Tgt Ion: 75 Resp: 98374

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 36.2 54.2#

