

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022296.D
 Acq On : 16 May 2025 17:12
 Operator : SY/MD
 Sample : Q2032-07
 Misc : 8.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-37

Quant Time: May 17 01:36:36 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)

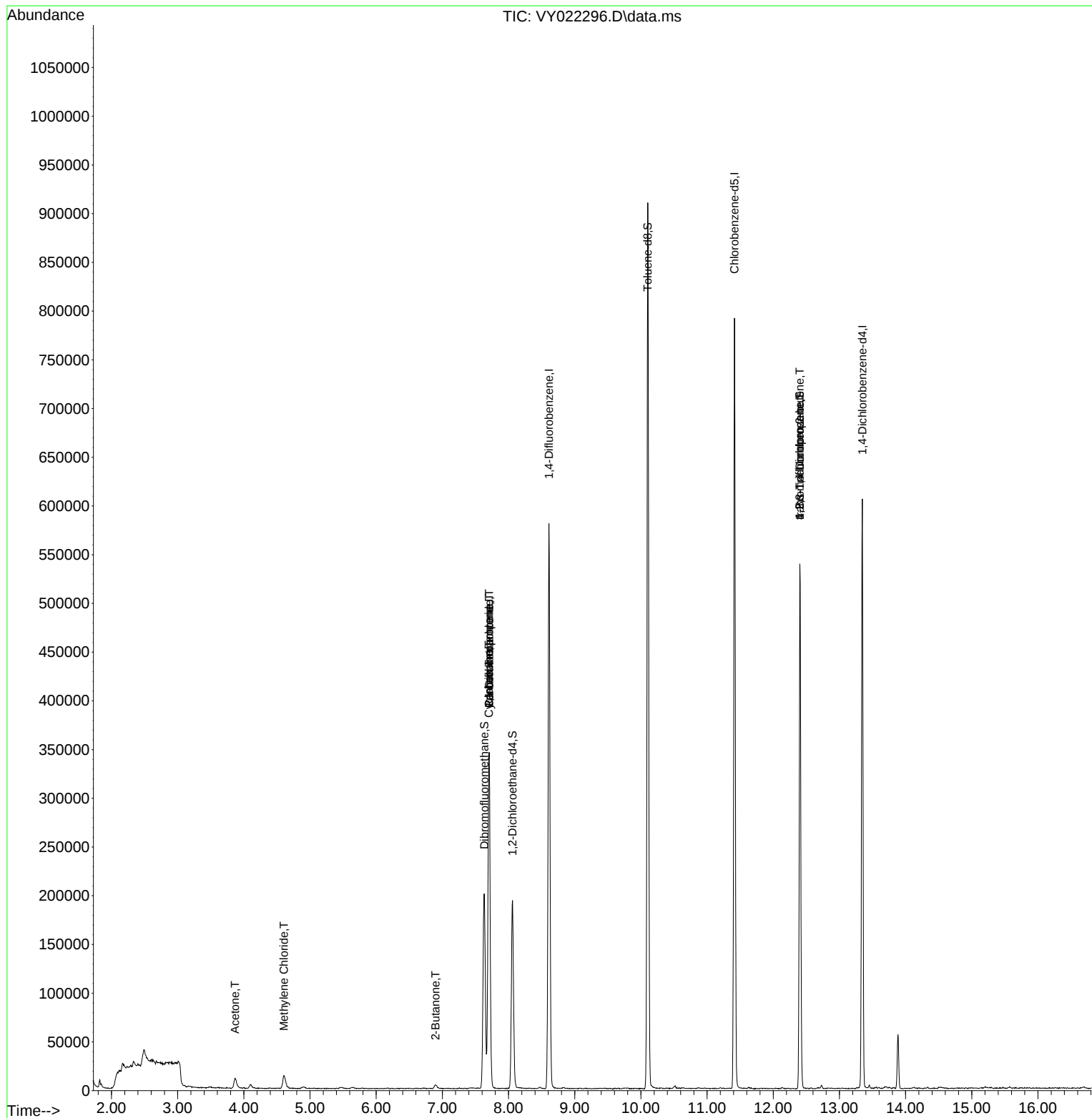
Internal Standards						
1) Pentafluorobenzene	7.707	168	264744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	474666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	382466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145755	50.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.740%	
35) Dibromofluoromethane	7.634	113	140960	49.755	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.500%	
50) Toluene-d8	10.103	98	565113	48.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.401	95	148783	40.455	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	18365	33.850	ug/l	93
20) Methylene Chloride	4.604	84	9091	2.593	ug/l	96
25) 2-Butanone	6.896	43	5961	6.569	ug/l #	88
31) Cyclohexane	7.701	56	7644	1.306	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	23144	4.960	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26719	5.532	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	86379	60.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	86379	123.542	ug/l #	12

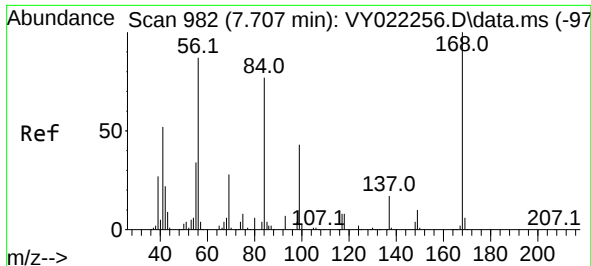
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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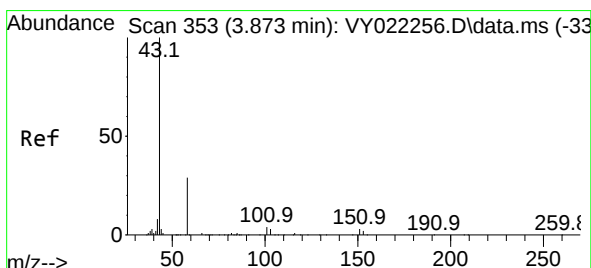
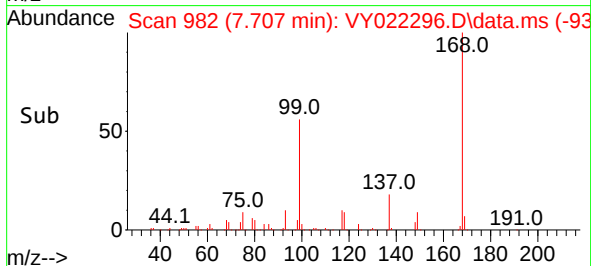
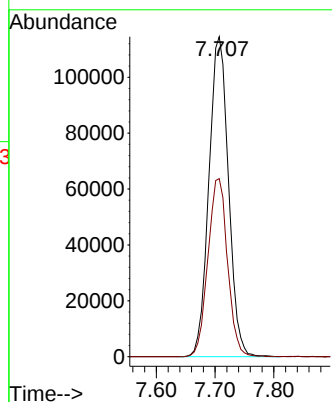
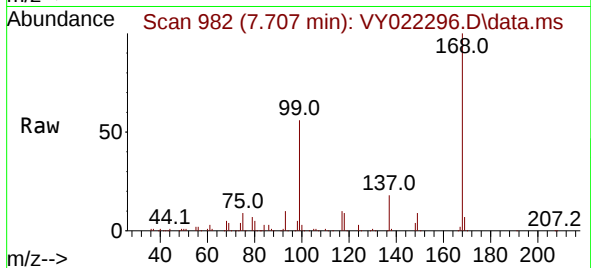




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

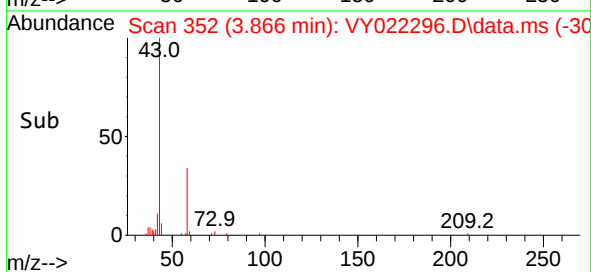
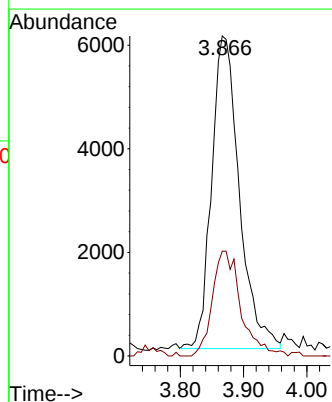
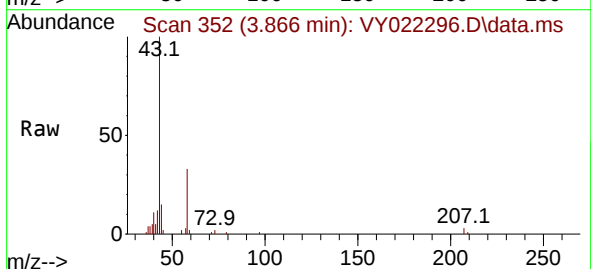
Instrument :
MSVOA_Y
ClientSampleId :
TP-37

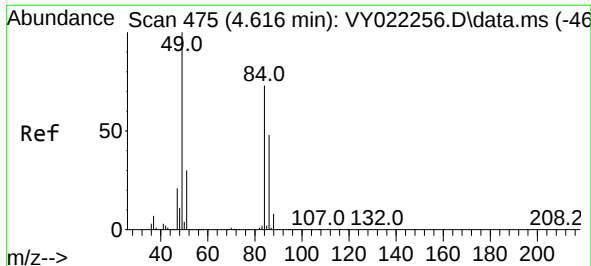
Tgt Ion:168 Resp: 264744
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#16
Acetone
Concen: 33.850 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

Tgt Ion: 43 Resp: 18365
Ion Ratio Lower Upper
43 100
58 33.5 23.6 35.4





#20

Methylene Chloride

Concen: 2.593 ug/l

RT: 4.604 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY022296.D

Acq: 16 May 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-37

Tgt Ion: 84 Resp: 9091

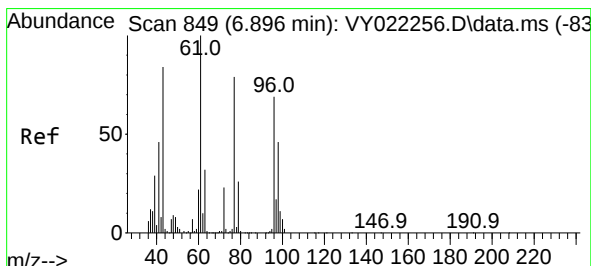
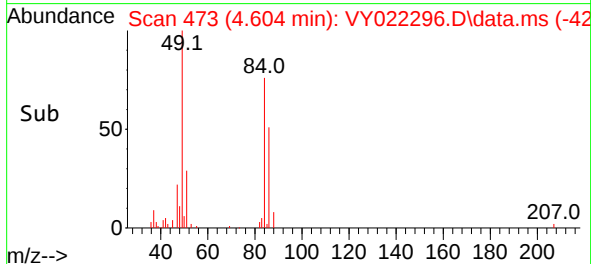
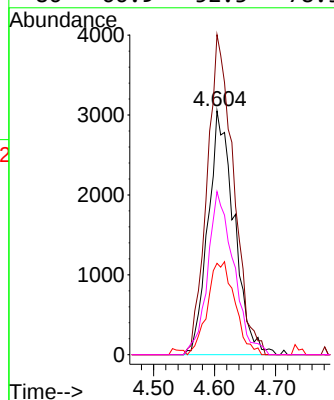
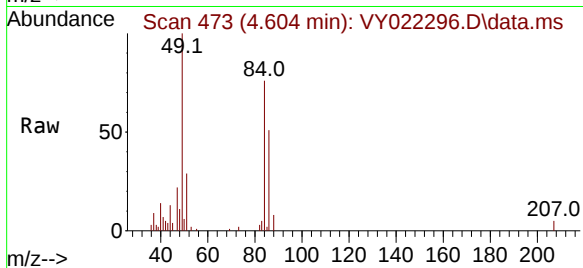
Ion Ratio Lower Upper

84 100

49 131.3 109.6 164.4

51 37.5 32.4 48.6

86 66.9 52.3 78.5



#25

2-Butanone

Concen: 6.569 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022296.D

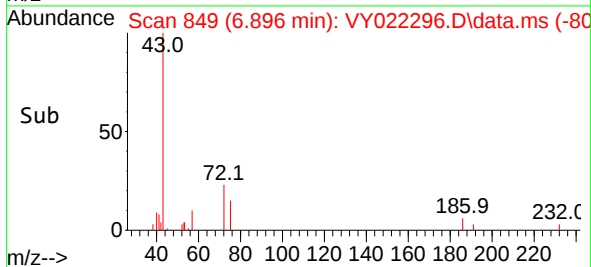
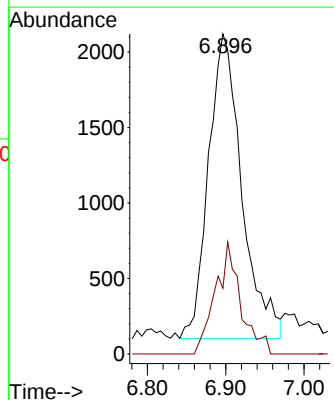
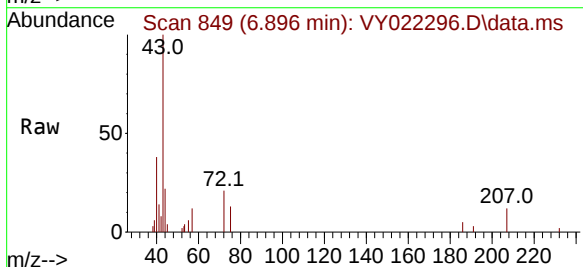
Acq: 16 May 2025 17:12

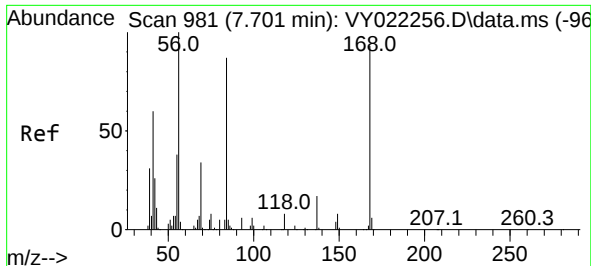
Tgt Ion: 43 Resp: 5961

Ion Ratio Lower Upper

43 100

72 21.6 22.1 33.1#

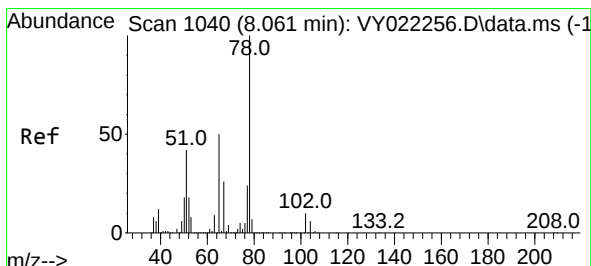
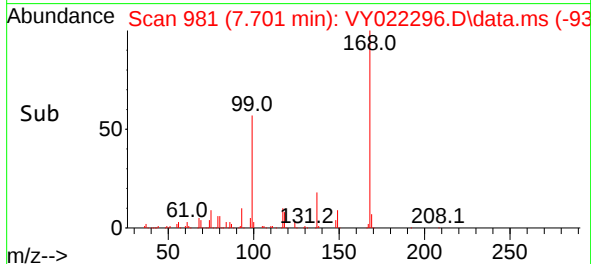
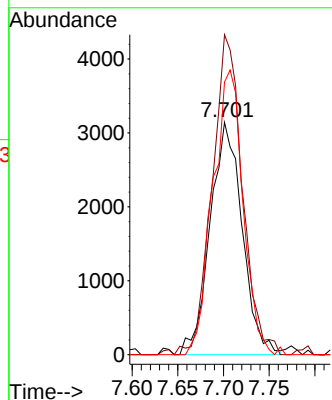
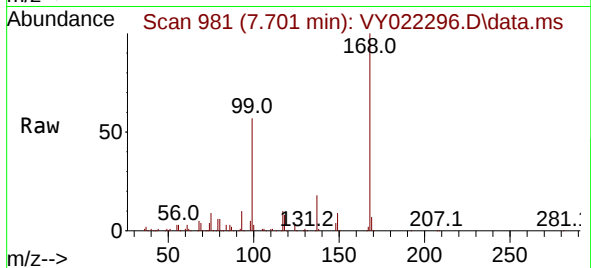




#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

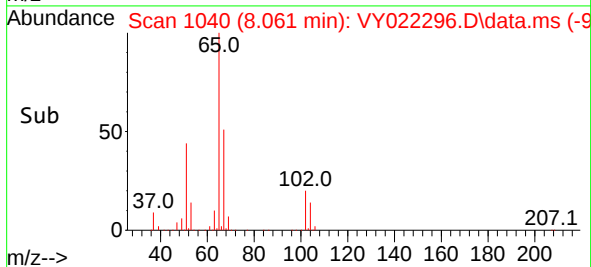
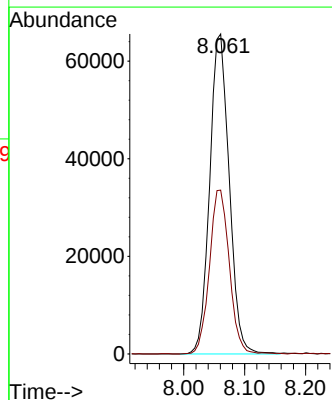
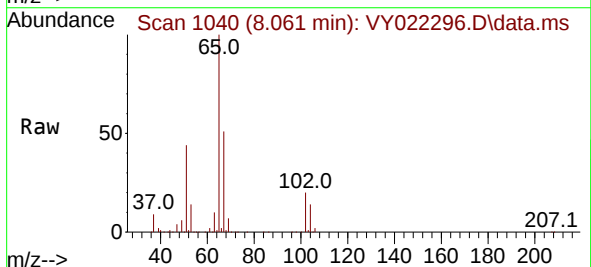
Instrument :
MSVOA_Y
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TP-37

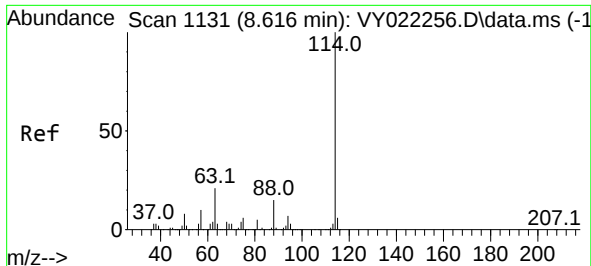
Tgt Ion: 56 Resp: 7644
Ion Ratio Lower Upper
56 100
69 137.7 27.4 41.2#
84 117.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 50.375 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

Tgt Ion: 65 Resp: 145755
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022296.D

Acq: 16 May 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-37

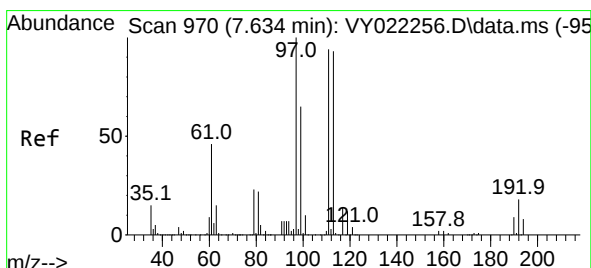
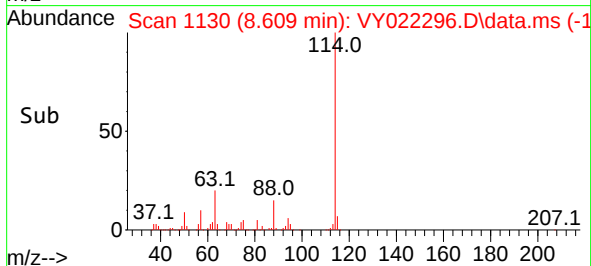
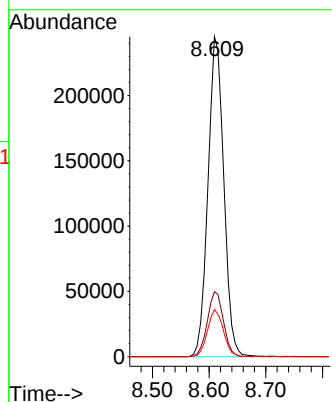
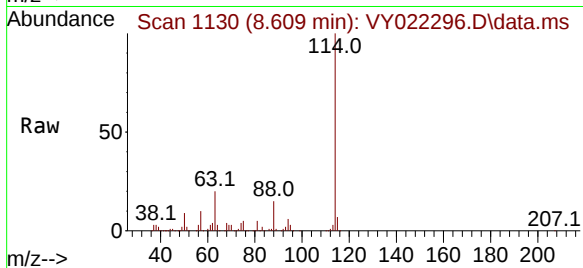
Tgt Ion:114 Resp: 474666

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.755 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022296.D

Acq: 16 May 2025 17:12

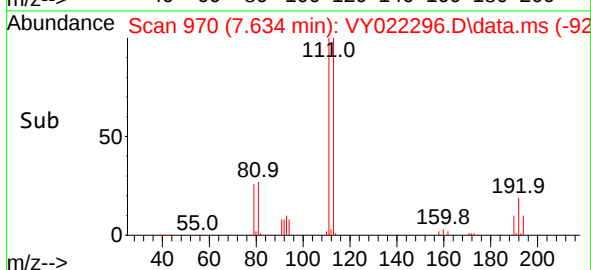
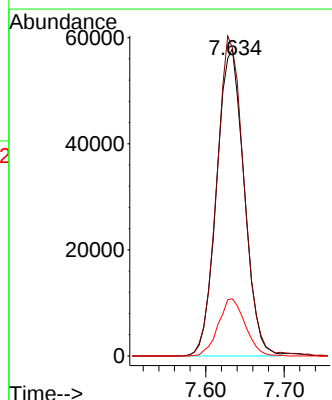
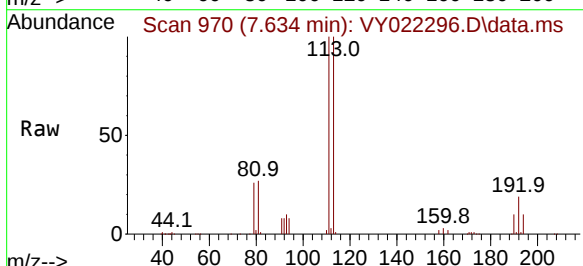
Tgt Ion:113 Resp: 140960

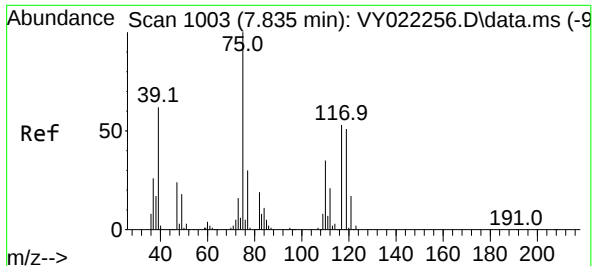
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022296.D

Acq: 16 May 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

TP-37

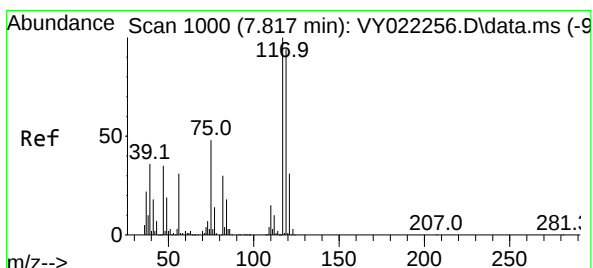
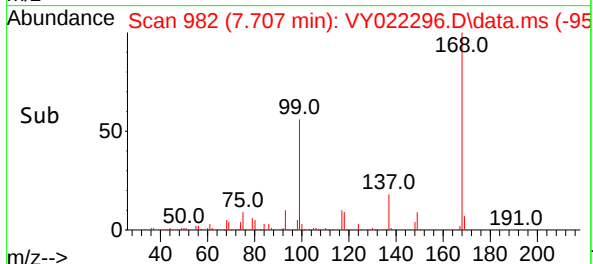
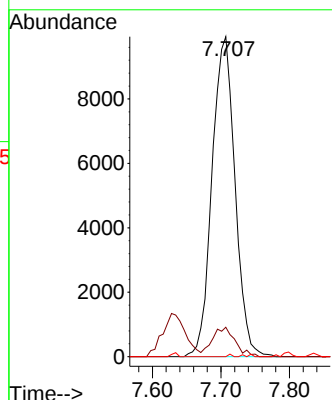
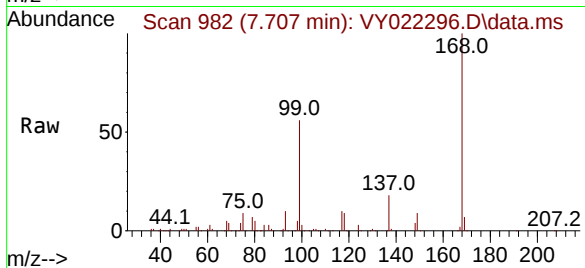
Tgt Ion: 75 Resp: 23144

Ion Ratio Lower Upper

75 100

110 9.2 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022296.D

Acq: 16 May 2025 17:12

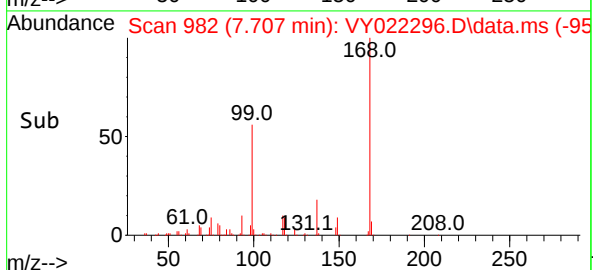
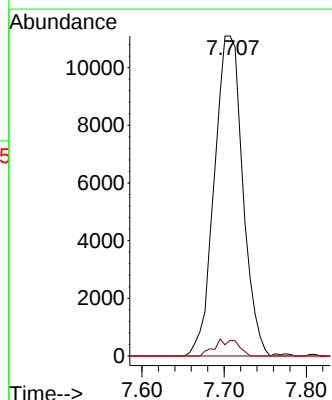
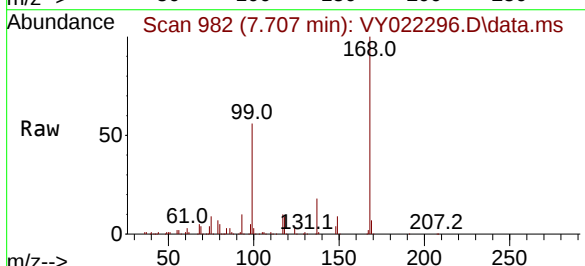
Tgt Ion: 117 Resp: 26719

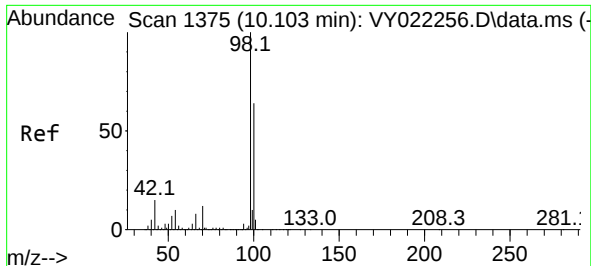
Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

121 0.0 24.7 37.1#

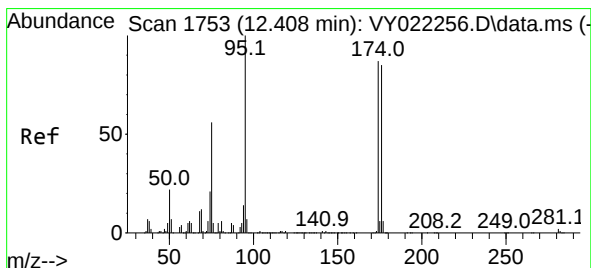
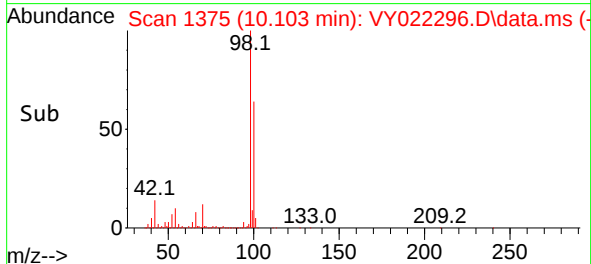
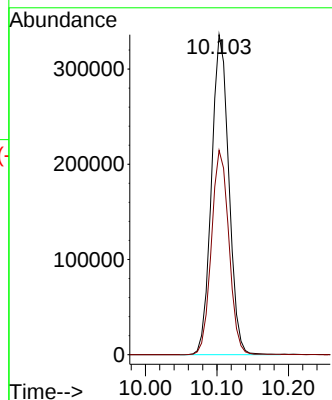
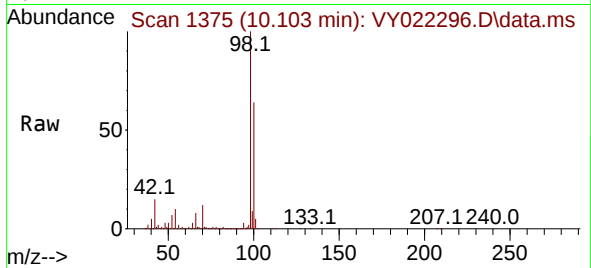




#50
Toluene-d8
Concen: 48.704 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

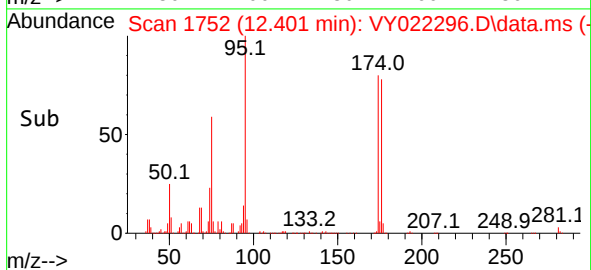
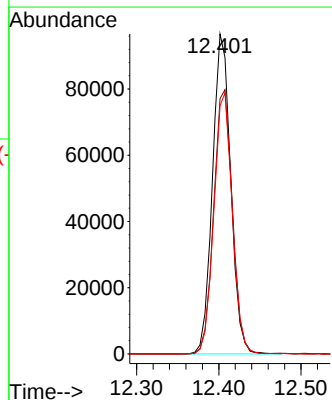
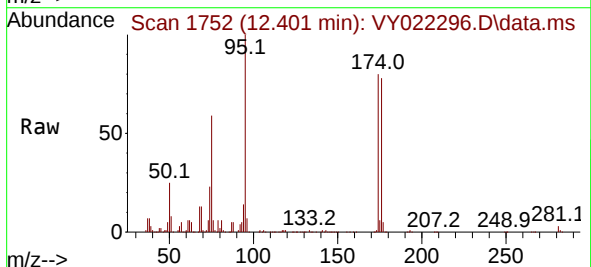
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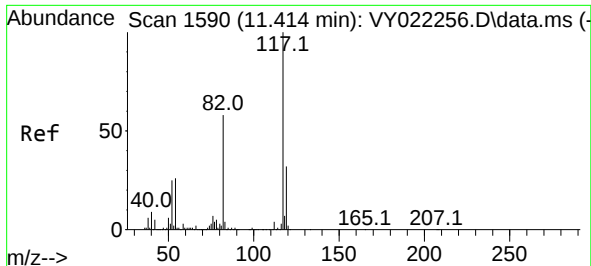
Tgt Ion: 98 Resp: 565113
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.455 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

Tgt Ion: 95 Resp: 148783
Ion Ratio Lower Upper
95 100
174 84.6 0.0 166.8
176 82.4 0.0 160.8

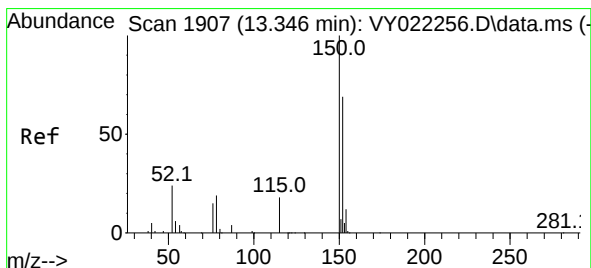
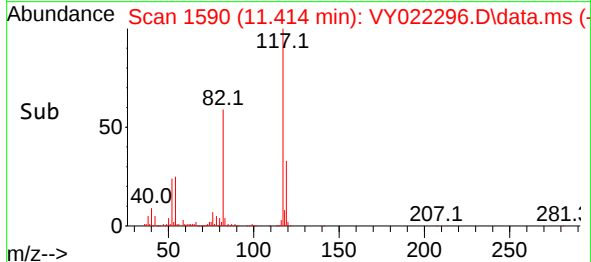
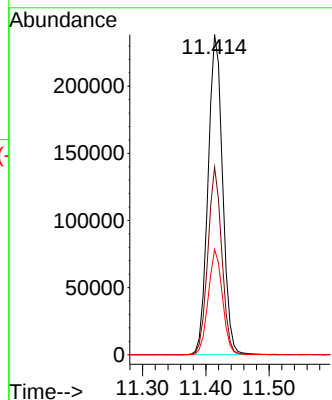
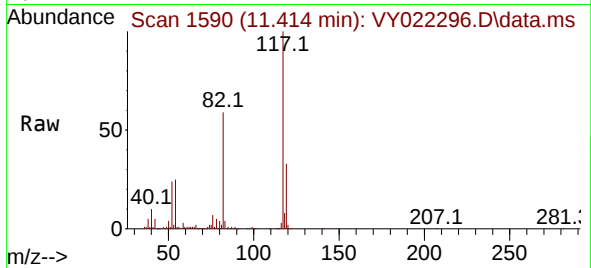




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

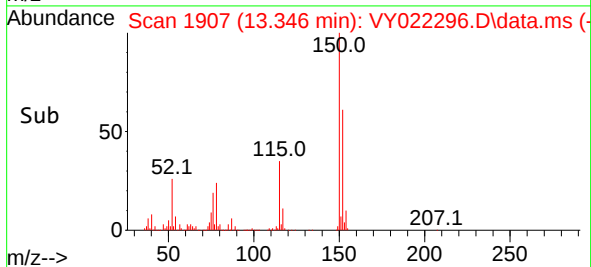
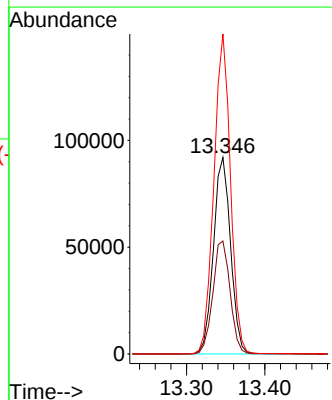
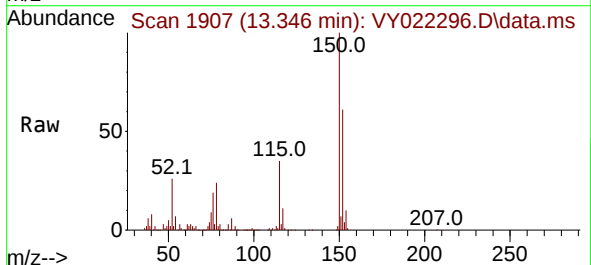
Instrument :
MSVOA_Y
ClientSampleId :
TP-37

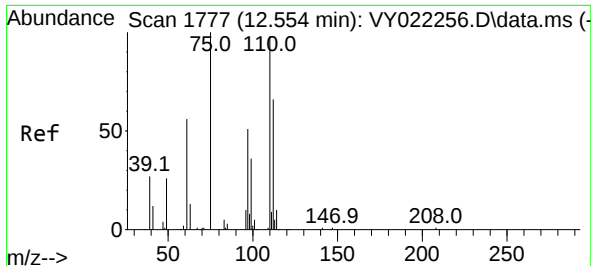
Tgt Ion:117 Resp: 382466
Ion Ratio Lower Upper
117 100
82 58.6 46.6 70.0
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

Tgt Ion:152 Resp: 139806
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.2
150 157.7 0.0 353.8

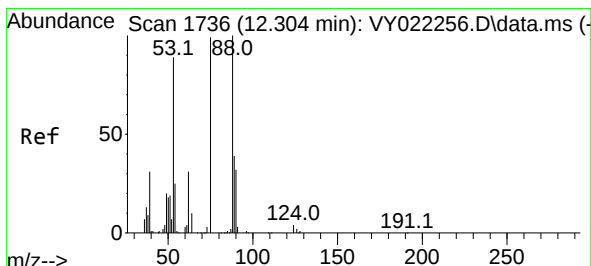
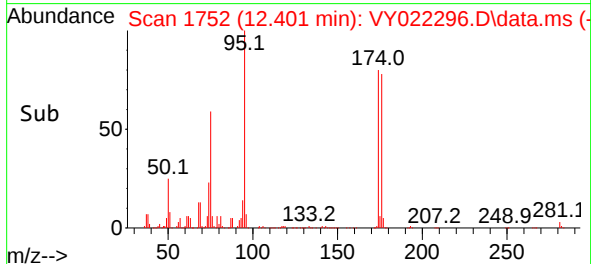
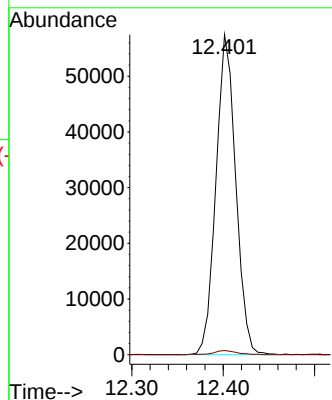
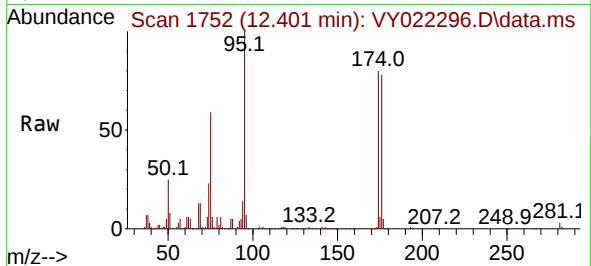




#76
1,2,3-Trichloropropane
Concen: 60.986 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
TP-37

Tgt Ion: 75 Resp: 86379
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.542 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022296.D
Acq: 16 May 2025 17:12

Tgt Ion: 75 Resp: 86379
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#

