

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023222.D
 Acq On : 28 Aug 2025 13:31
 Operator : SY/MD
 Sample : Q2970-07
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP11

Quant Time: Aug 29 02:09:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

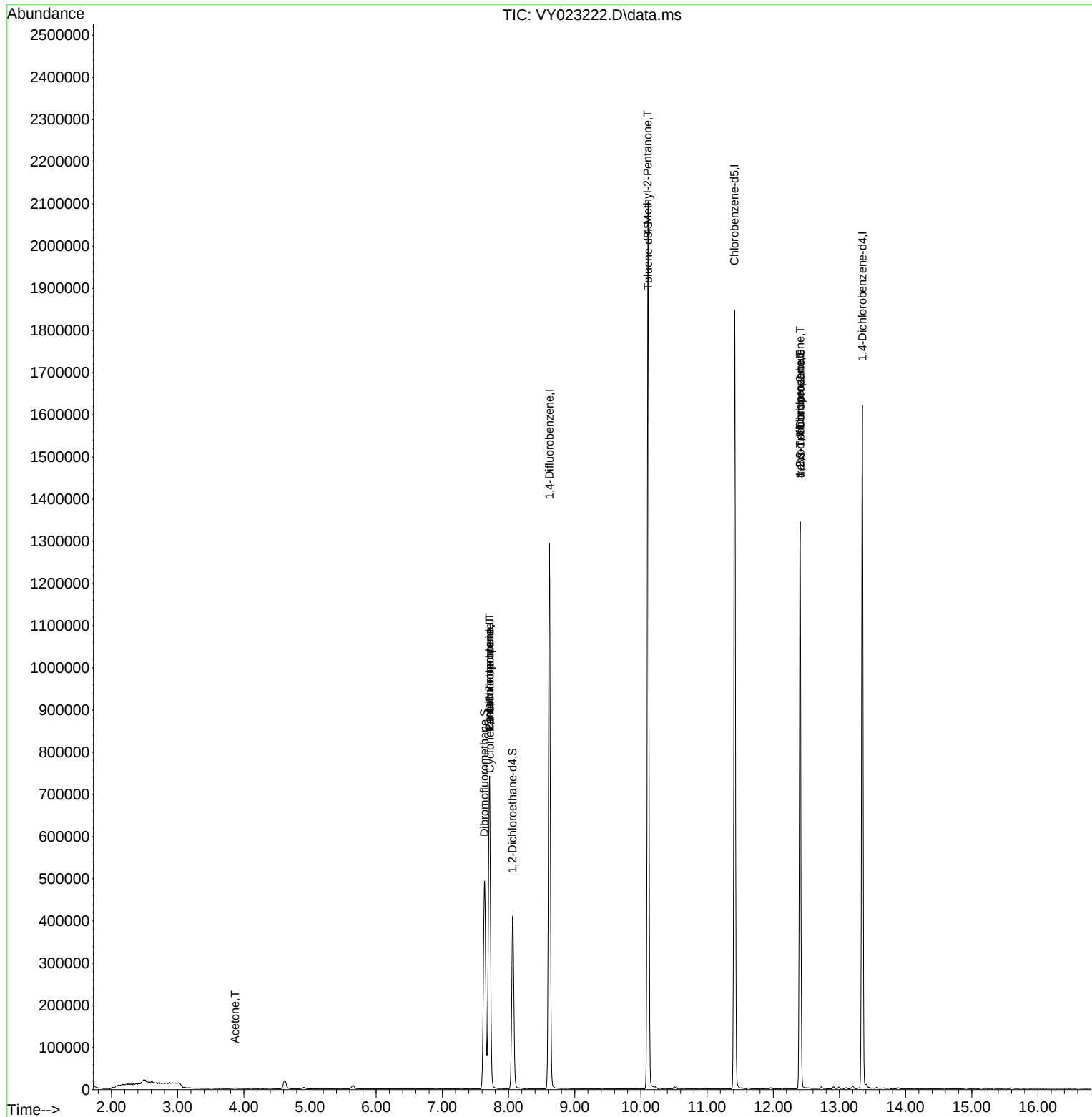
Internal Standards						
1) Pentafluorobenzene	7.713	168	598042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1127894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1023236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	415615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	323672	56.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.580%
35) Dibromofluoromethane	7.634	113	357718	53.003	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.000%
50) Toluene-d8	10.109	98	1354585	51.377	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.760%
62) 4-Bromofluorobenzene	12.408	95	405822	47.862	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.720%
Target Compounds						Qvalue
16) Acetone	3.866	43	2577	2.087	ug/l	91
20) Methylene Chloride	4.622	84	15841	Below Cal		90
31) Cyclohexane	7.719	56	11482	1.082	ug/l #	14
36) 1,1-Dichloropropene	7.713	75	42569	4.244	ug/l #	50
38) Carbon Tetrachloride	7.713	117	57368	5.266	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5285	1.203	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	204346	50.945	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	204346	123.321	ug/l #	14

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

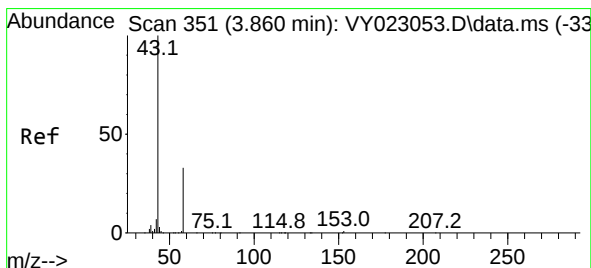
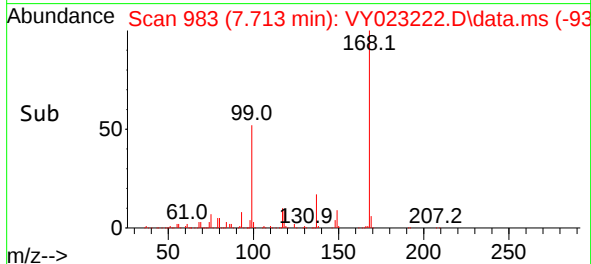
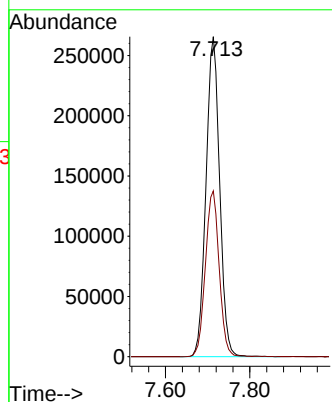
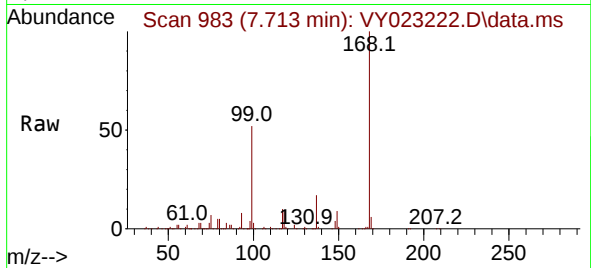




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

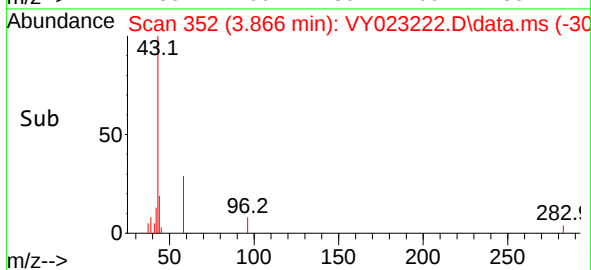
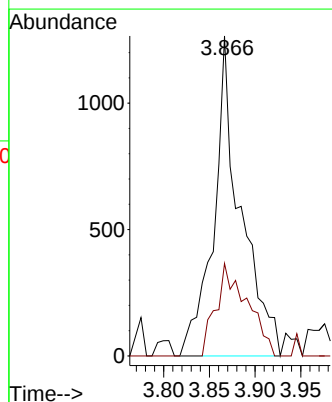
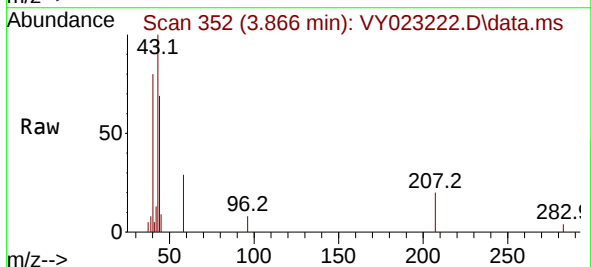
Instrument :
MSVOA_Y
ClientSampleId :
TP11

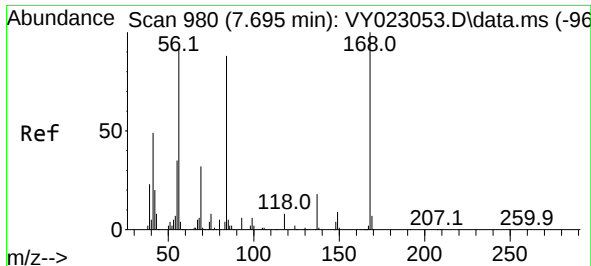
Tgt Ion:168 Resp: 598042
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#16
Acetone
Concen: 2.087 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
58 28.9 27.1 40.7

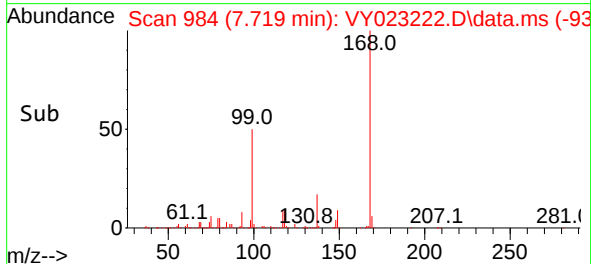
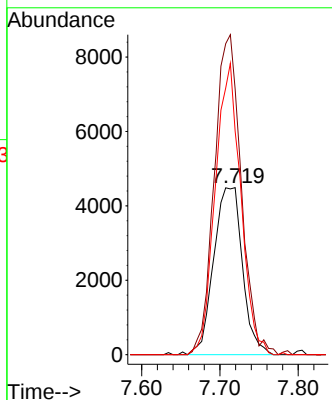
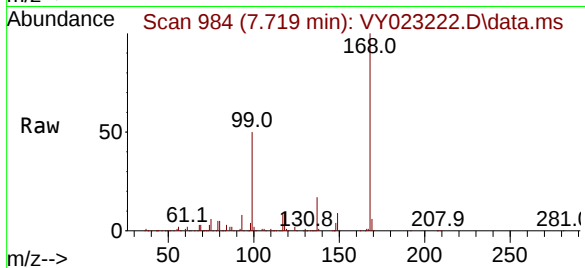




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

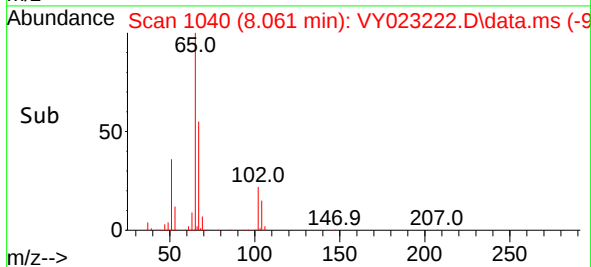
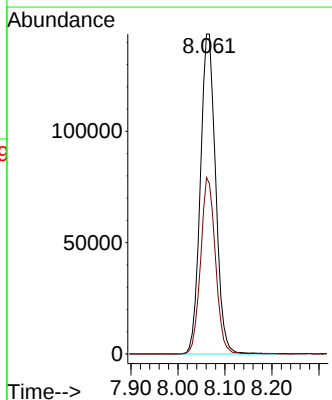
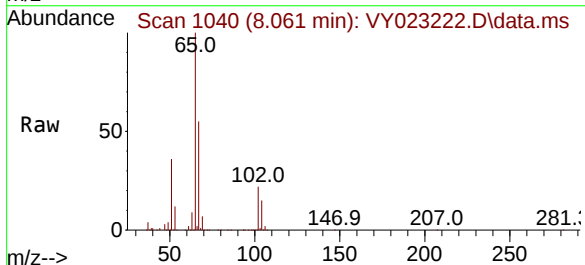
Instrument :
MSVOA_Y
ClientSampleId :
TP11

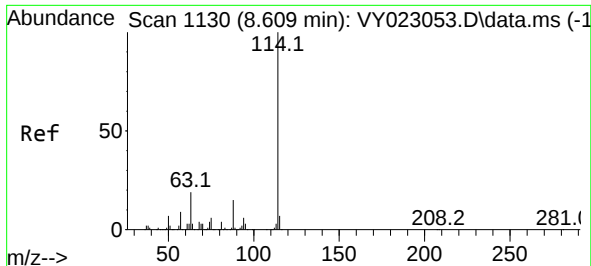
Tgt Ion: 56 Resp: 11482
Ion Ratio Lower Upper
56 100
69 158.9 28.2 42.2#
84 133.7 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.787 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

Tgt Ion: 65 Resp: 323672
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023222.D

Acq: 28 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

TP11

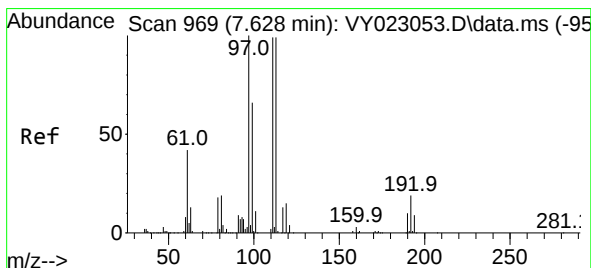
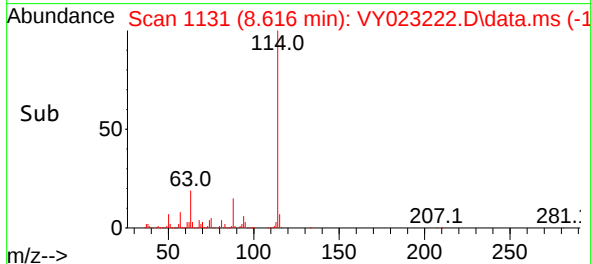
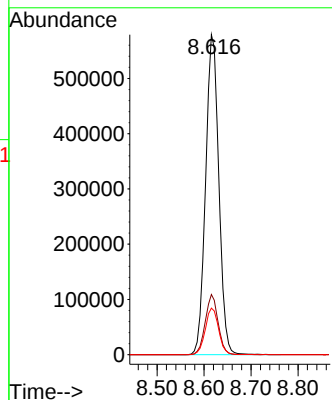
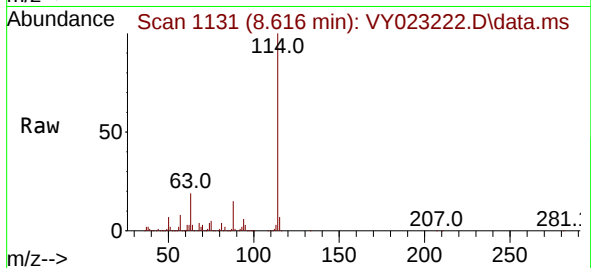
Tgt Ion:114 Resp: 1127894

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.003 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023222.D

Acq: 28 Aug 2025 13:31

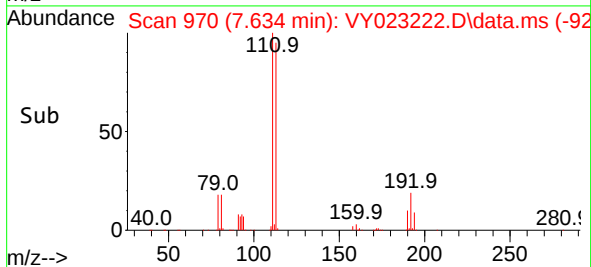
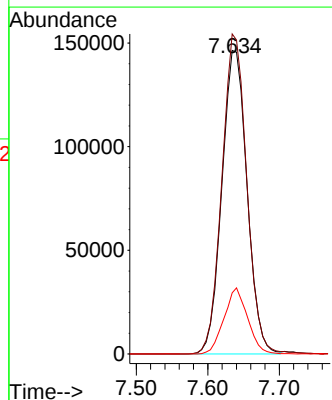
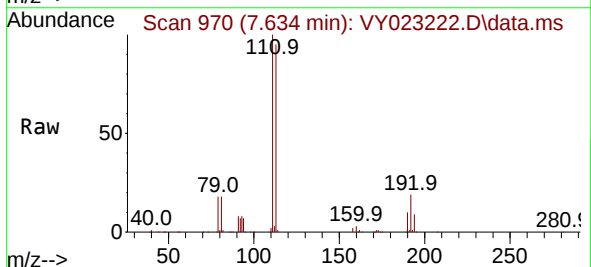
Tgt Ion:113 Resp: 357718

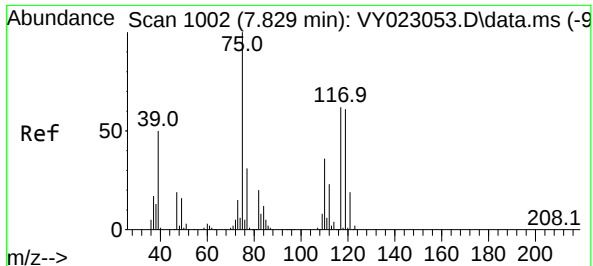
Ion Ratio Lower Upper

113 100

111 104.2 81.1 121.7

192 20.4 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.244 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023222.D

Acq: 28 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

TP11

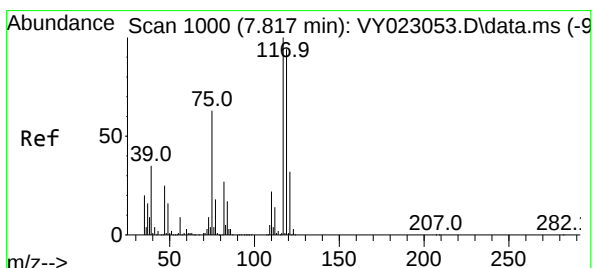
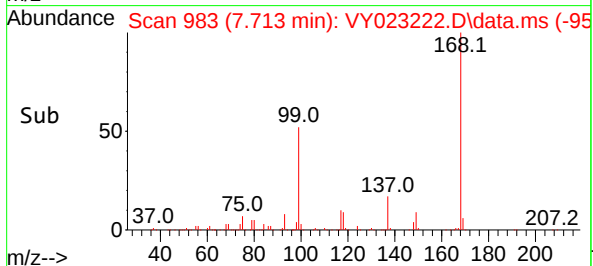
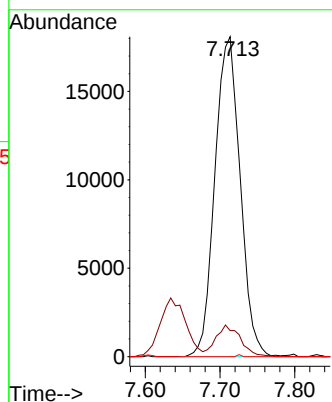
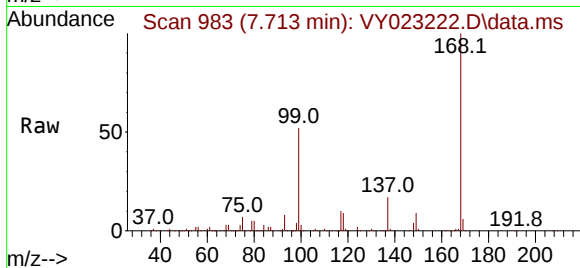
Tgt Ion: 75 Resp: 42569

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.266 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023222.D

Acq: 28 Aug 2025 13:31

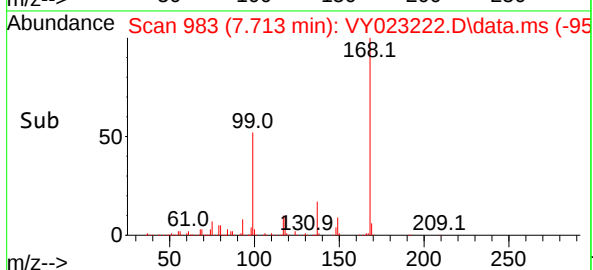
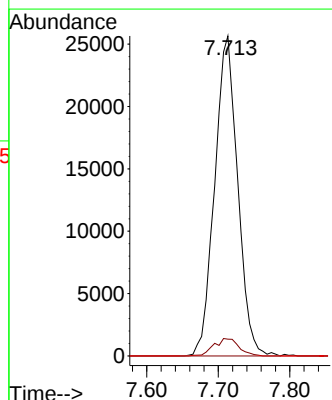
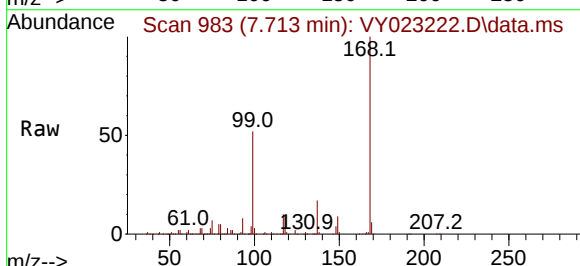
Tgt Ion: 117 Resp: 57368

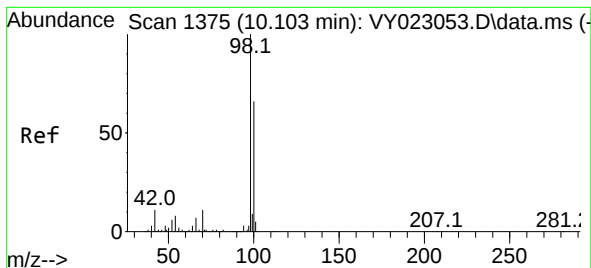
Ion Ratio Lower Upper

117 100

119 5.3 75.6 113.4#

121 0.0 25.8 38.8#

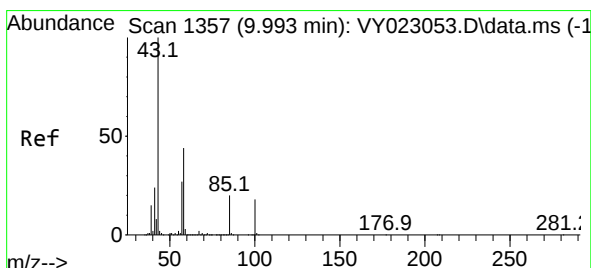
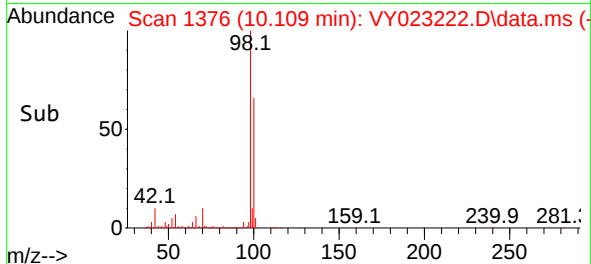
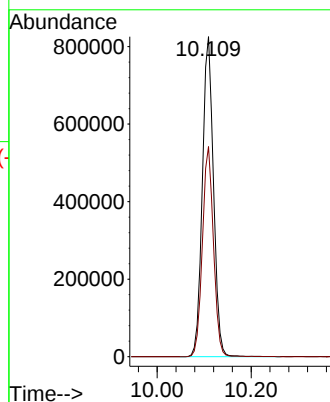
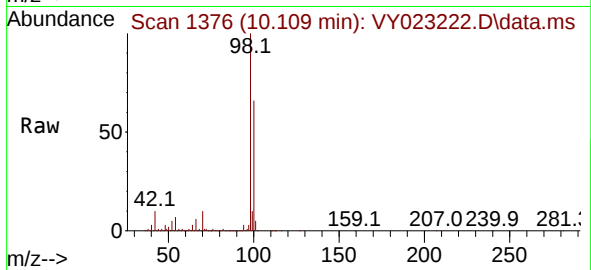




#50
Toluene-d8
Concen: 51.377 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

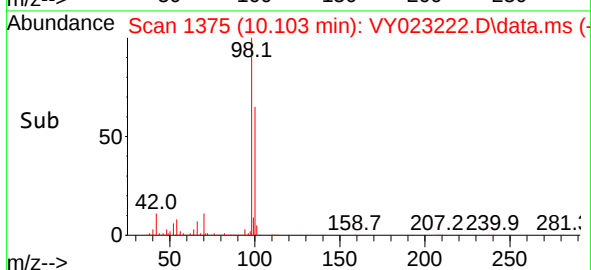
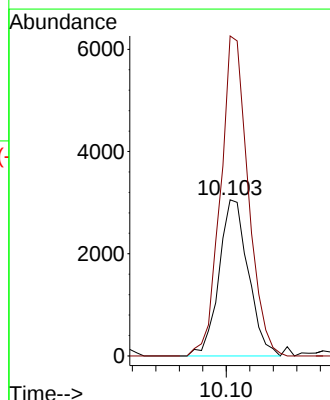
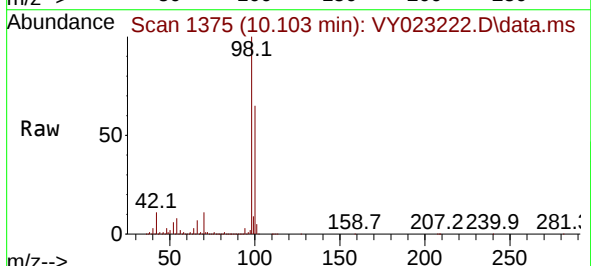
Instrument :
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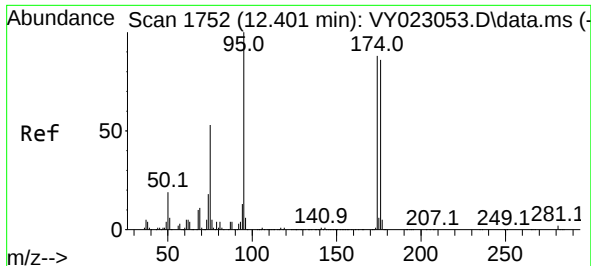
Tgt Ion: 98 Resp: 1354585
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.203 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

Tgt Ion: 43 Resp: 5285
Ion Ratio Lower Upper
43 100
58 193.9 33.5 50.3#

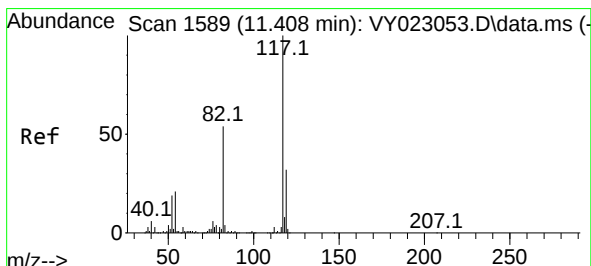
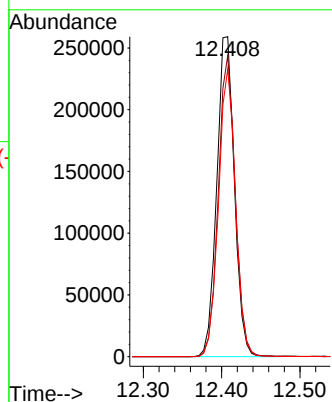
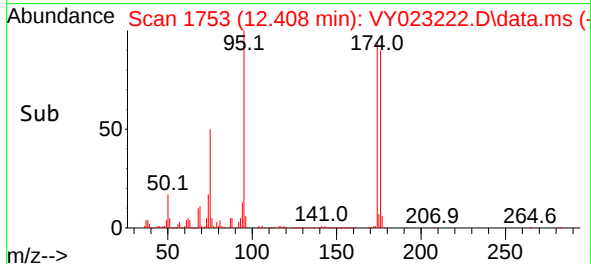
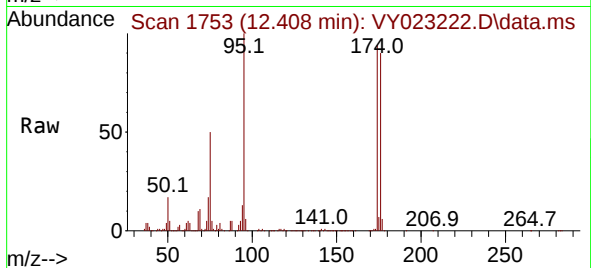




#62
4-Bromofluorobenzene
Concen: 47.862 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

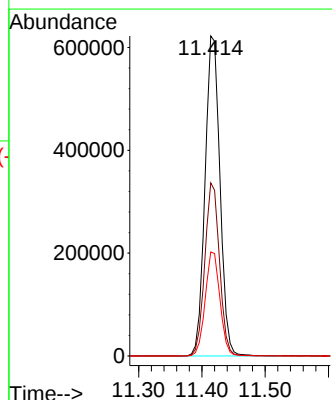
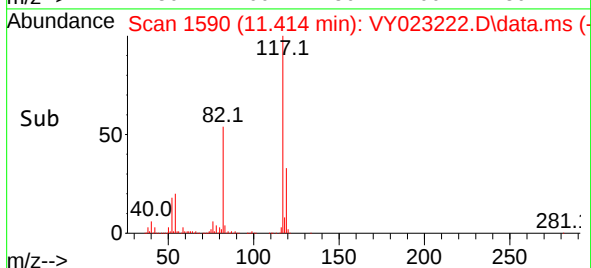
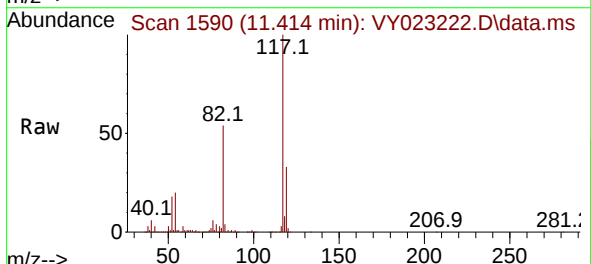
Instrument :
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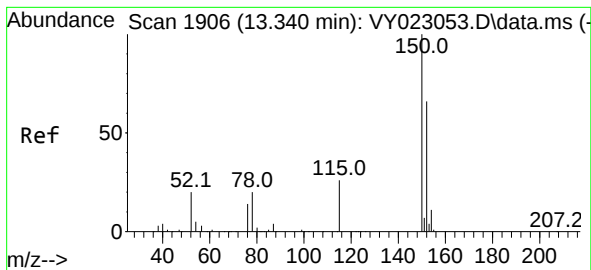
Tgt Ion: 95 Resp: 405822
Ion Ratio Lower Upper
95 100
174 91.2 0.0 171.6
176 86.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023222.D
Acq: 28 Aug 2025 13:31

Tgt Ion: 117 Resp: 1023236
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023222.D

Acq: 28 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

TP11

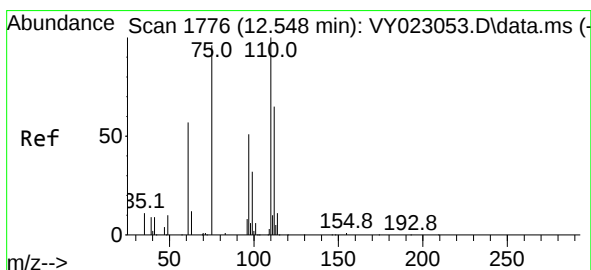
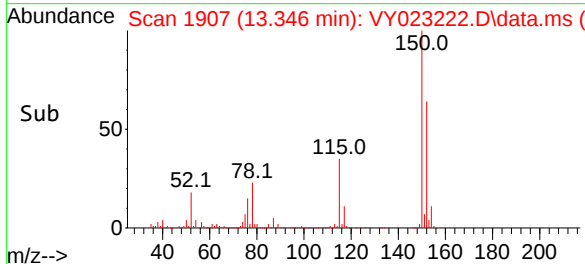
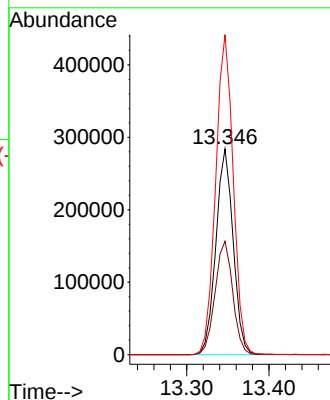
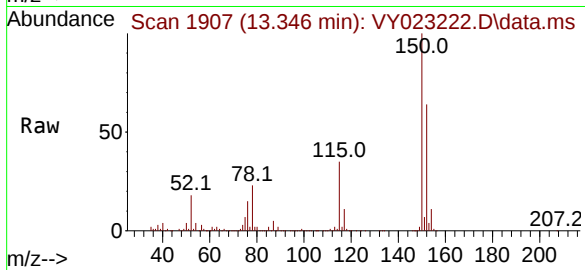
Tgt Ion:152 Resp: 415615

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.6

150 157.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.945 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023222.D

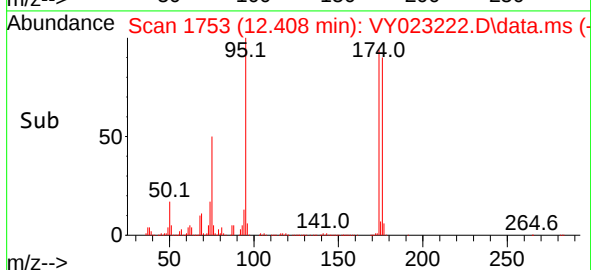
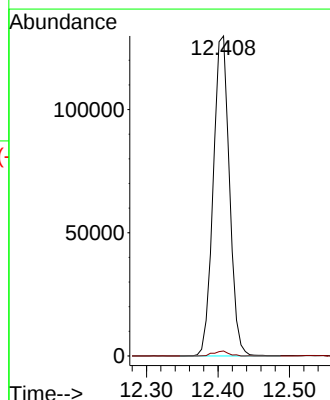
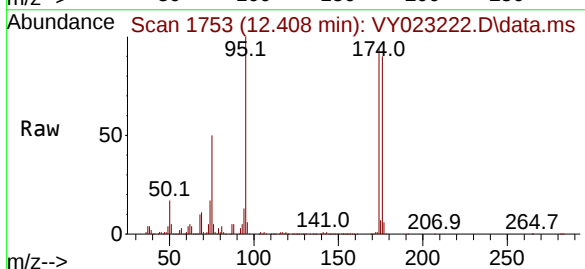
Acq: 28 Aug 2025 13:31

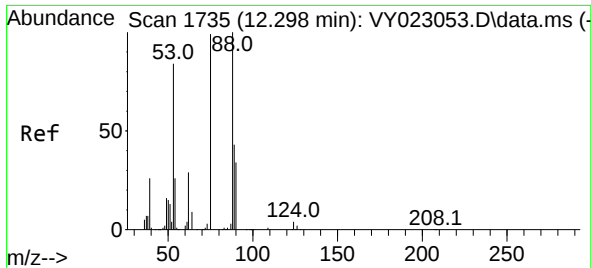
Tgt Ion: 75 Resp: 204346

Ion Ratio Lower Upper

75 100

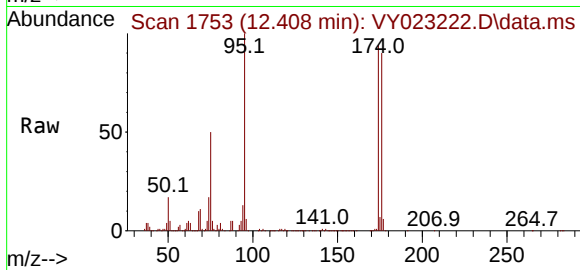
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.321 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023222.D
 Acq: 28 Aug 2025 13:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP11



Tgt Ion: 75 Resp: 204346
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.0 38.1 57.1#

