

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023228.D
 Acq On : 28 Aug 2025 15:51
 Operator : SY/MD
 Sample : Q2969-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-08272025

Quant Time: Aug 29 02:12:07 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)

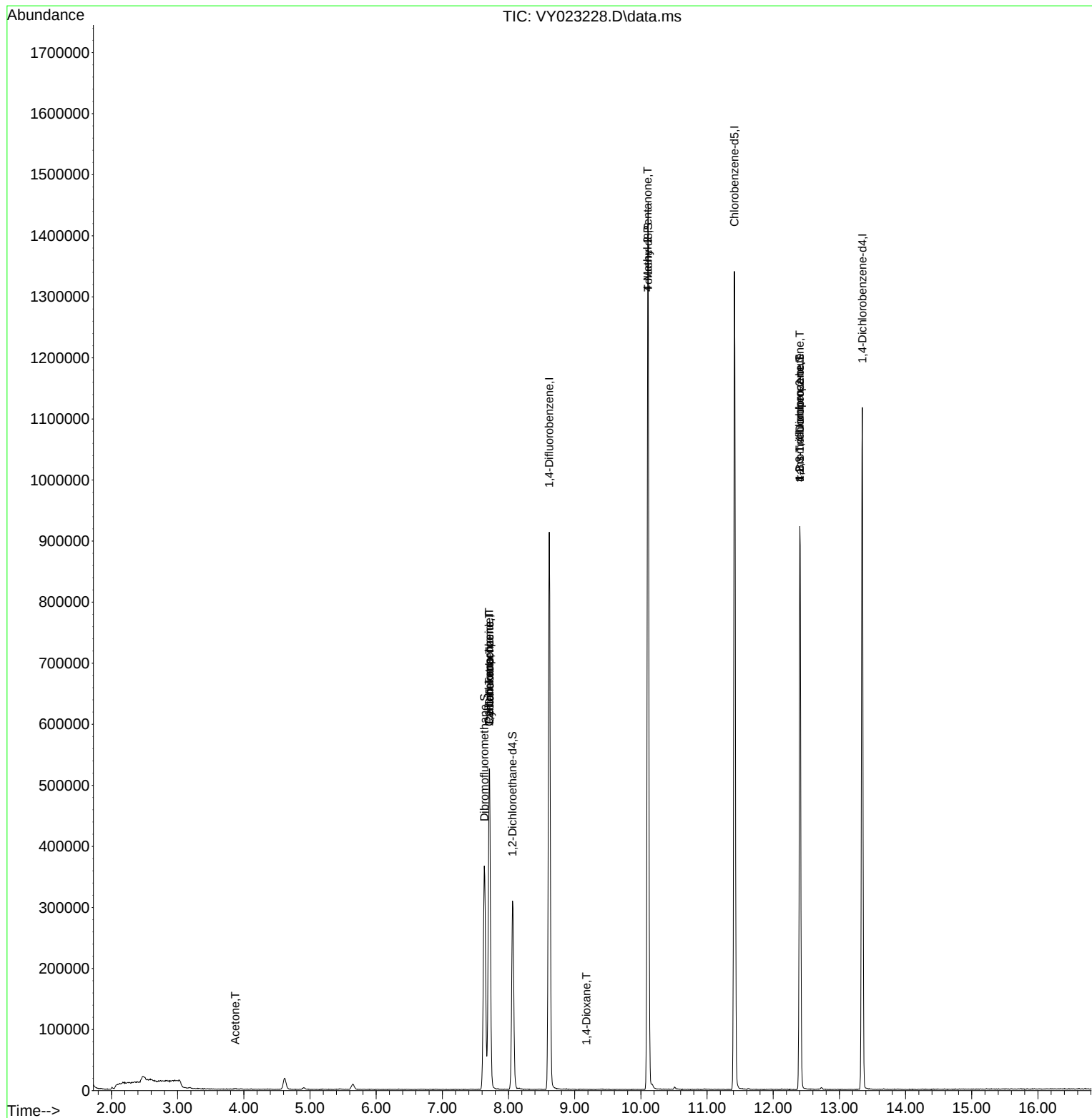
Internal Standards						
1) Pentafluorobenzene	7.713	168	425323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	799580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	729108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	295626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	240329	59.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.580%
35) Dibromofluoromethane	7.634	113	265535	55.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.000%
50) Toluene-d8	10.109	98	955913	51.144	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.280%
62) 4-Bromofluorobenzene	12.402	95	279689	46.530	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.060%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1323	1.506	ug/l #	86
31) Cyclohexane	7.713	56	8279	1.097	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	30489	4.288	ug/l #	50
38) Carbon Tetrachloride	7.707	117	41372	5.357	ug/l #	18
49) 1,4-Dioxane	9.177	88	74	2.181	ug/l #	61
51) 4-Methyl-2-Pentanone	10.103	43	3612	1.160	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	144275	50.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	144275	122.408	ug/l #	14

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

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Quant Time: Aug 29 02:12:07 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

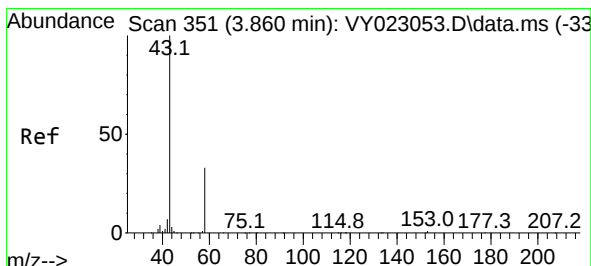
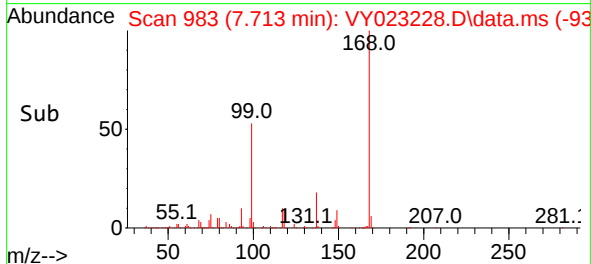
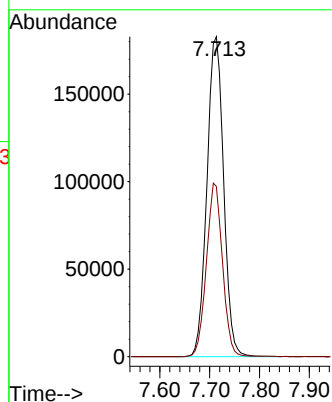
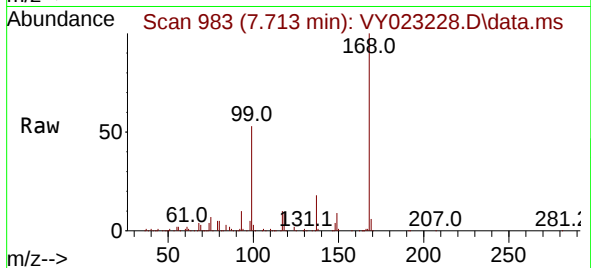




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

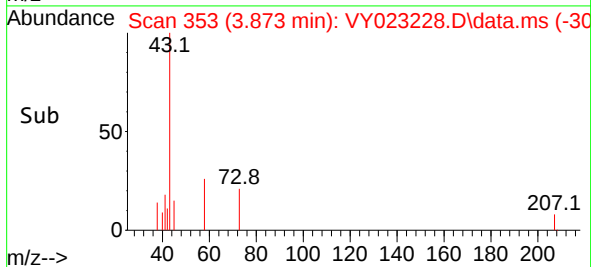
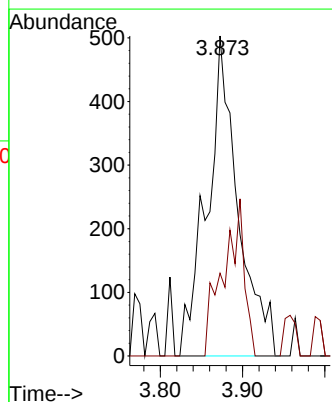
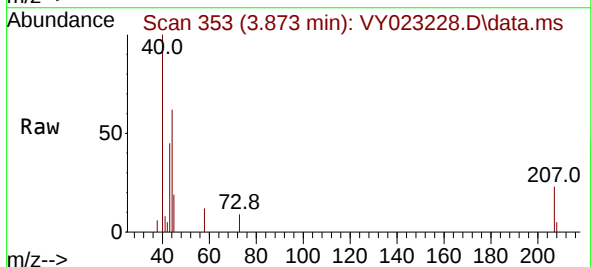
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-08272025

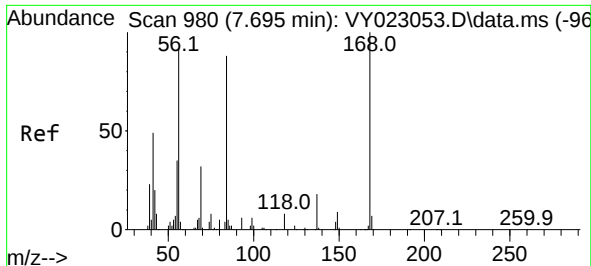
Tgt Ion:168 Resp: 425323
Ion Ratio Lower Upper
168 100
99 53.2 42.8 64.2



#16
Acetone
Concen: 1.506 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 25.8 27.1 40.7#

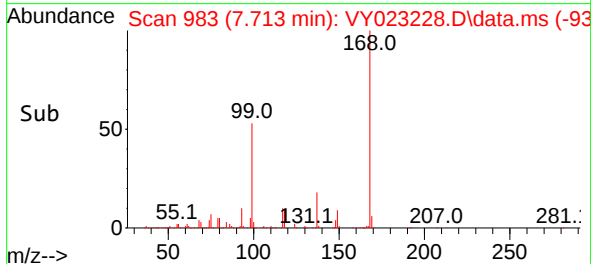
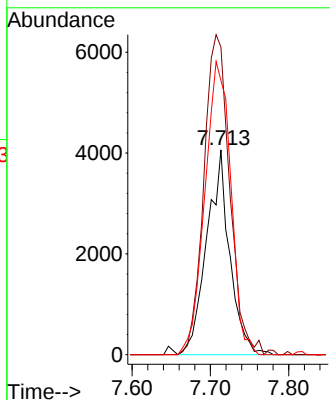
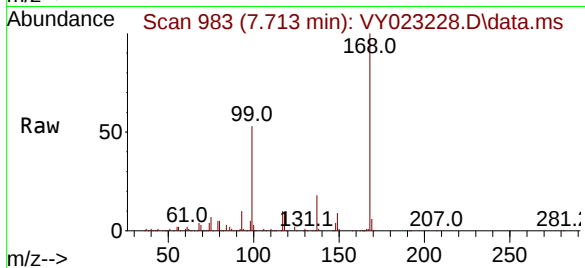




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

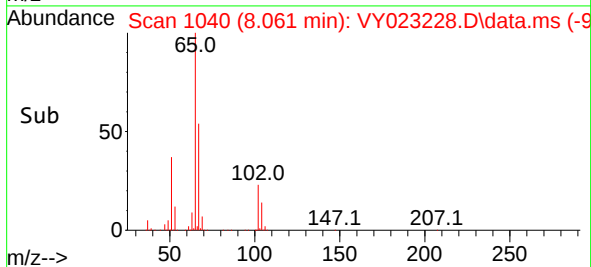
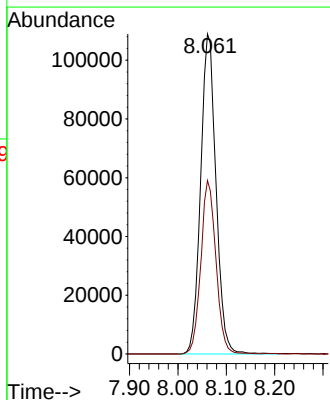
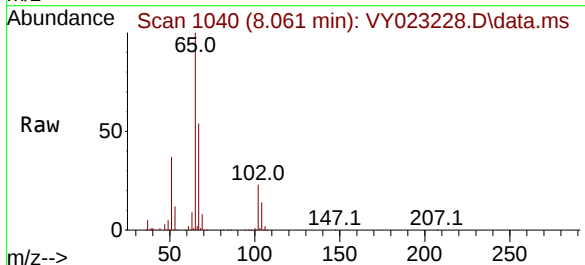
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-08272025

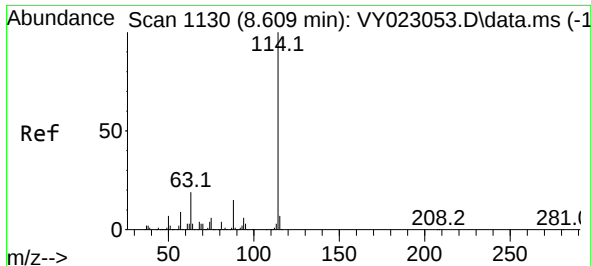
Tgt Ion: 56 Resp: 8279
Ion Ratio Lower Upper
56 100
69 150.3 28.2 42.2#
84 133.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 59.288 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

Tgt Ion: 65 Resp: 240329
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

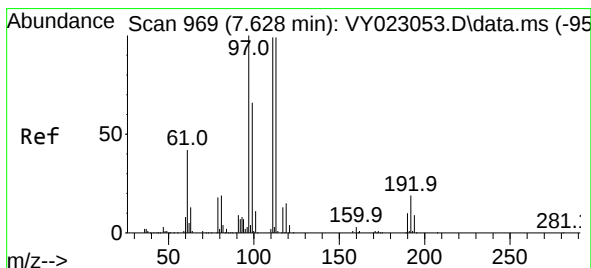
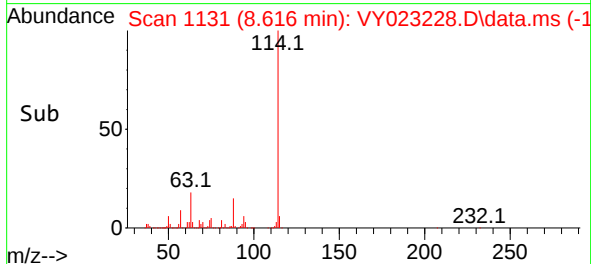
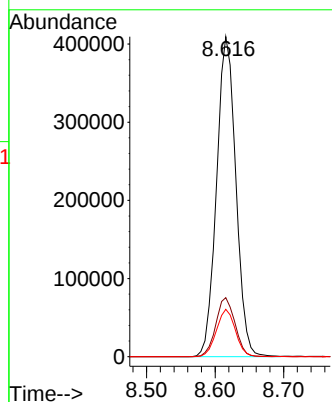
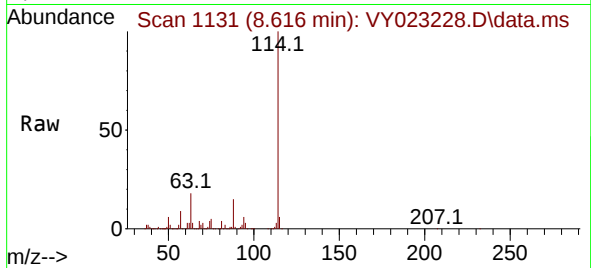




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

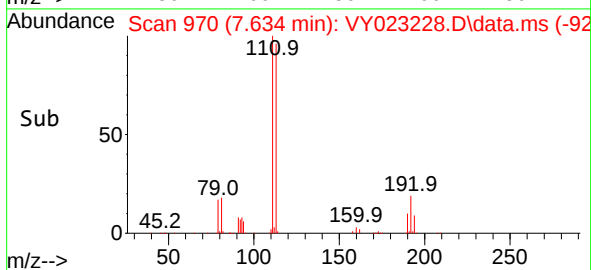
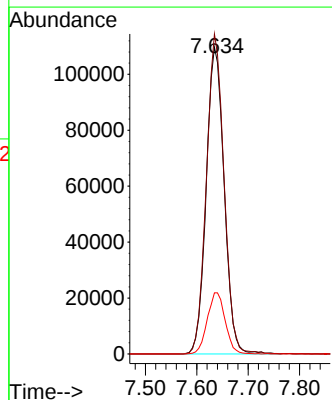
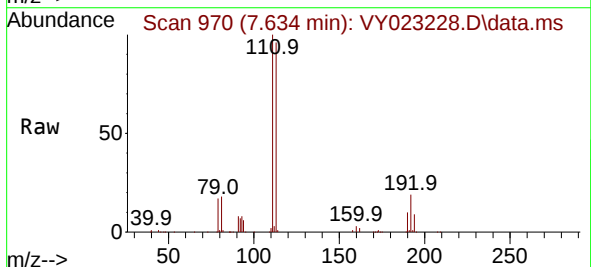
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-08272025

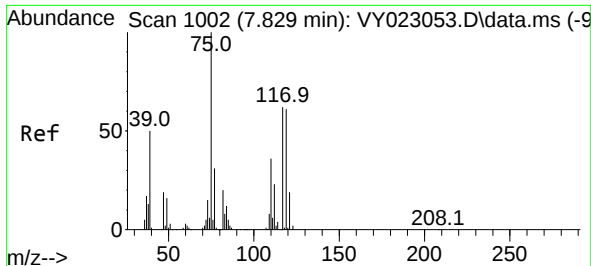
Tgt Ion:114 Resp: 799580
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.500 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

Tgt Ion:113 Resp: 265535
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 20.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023228.D

Acq: 28 Aug 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-08272025

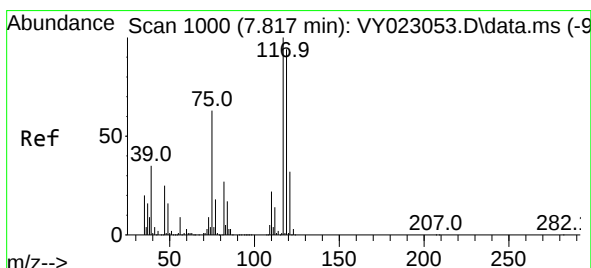
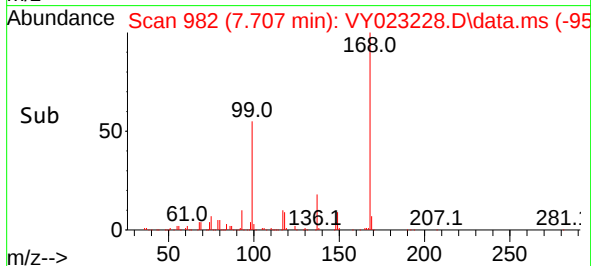
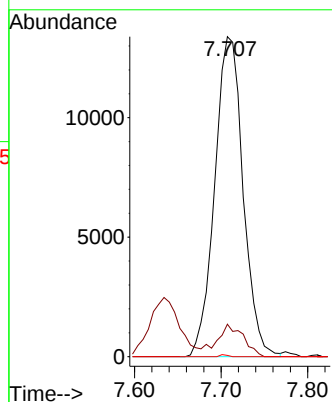
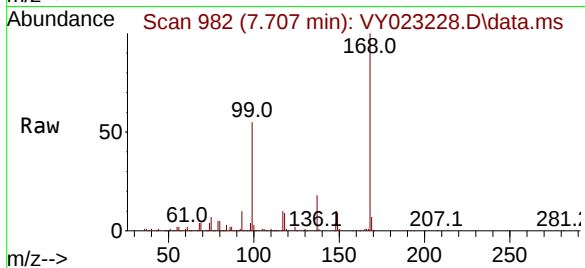
Tgt Ion: 75 Resp: 30489

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.357 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023228.D

Acq: 28 Aug 2025 15:51

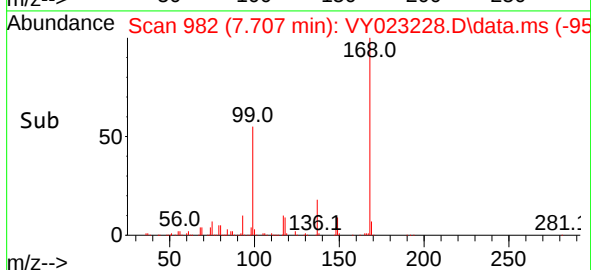
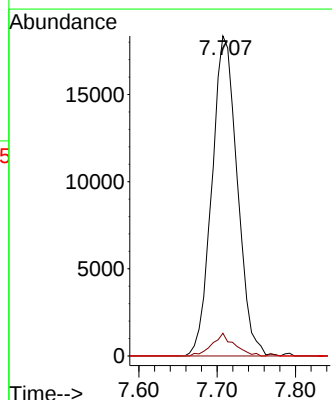
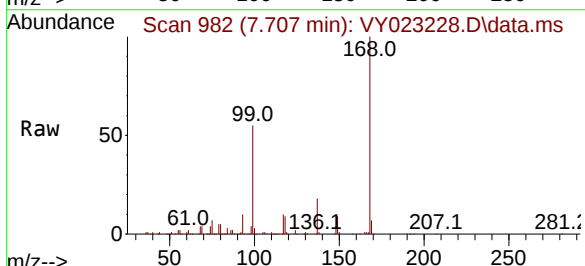
Tgt Ion: 117 Resp: 41372

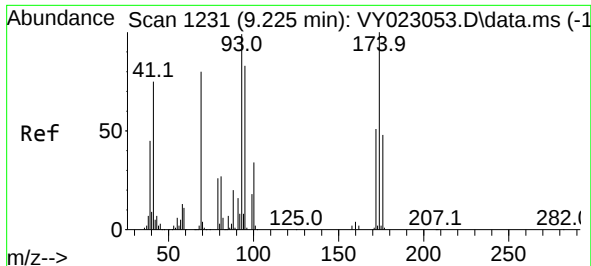
Ion Ratio Lower Upper

117 100

119 7.1 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 2.181 ug/l

RT: 9.177 min Scan# 1

Delta R.T. -0.049 min

Lab File: VY023228.D

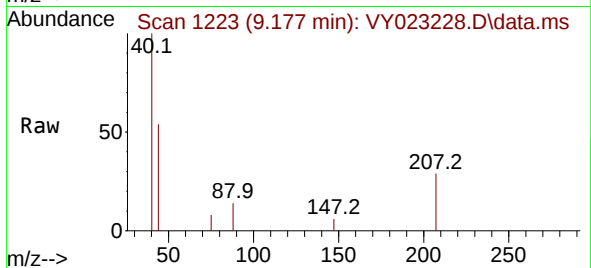
Acq: 28 Aug 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-08272025



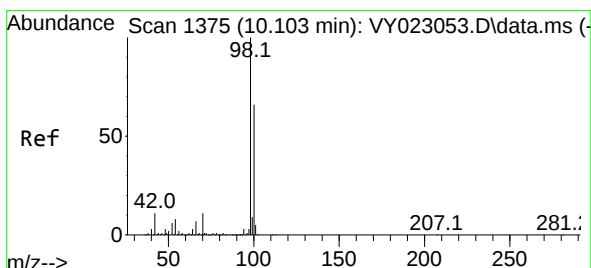
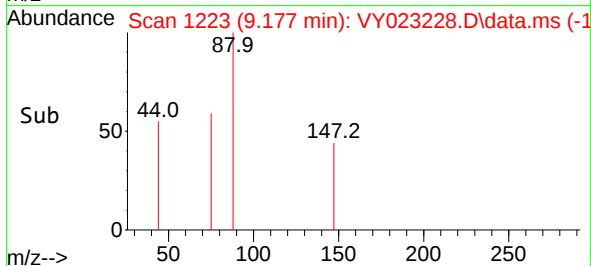
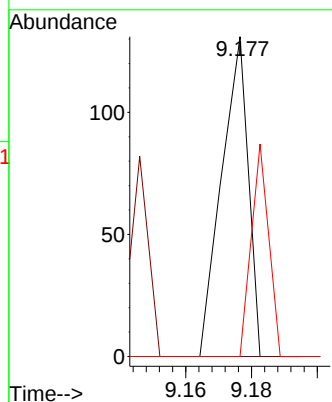
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 24.3 36.5#

58 43.2 55.4 83.0#



#50

Toluene-d8

Concen: 51.144 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023228.D

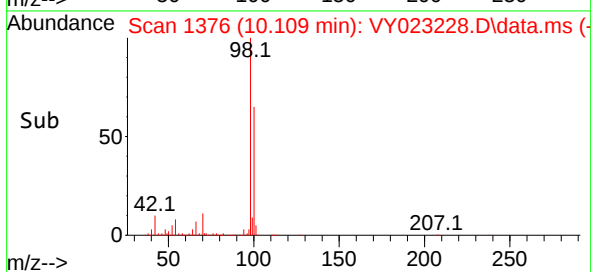
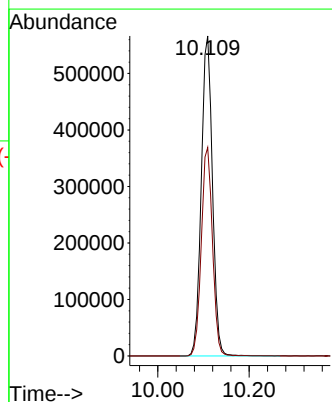
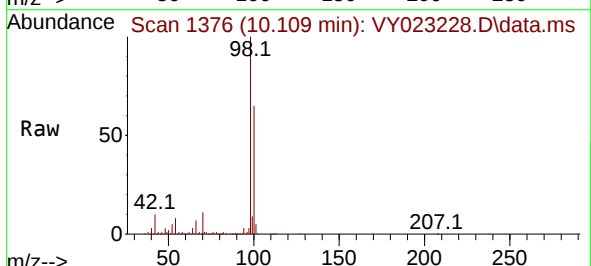
Acq: 28 Aug 2025 15:51

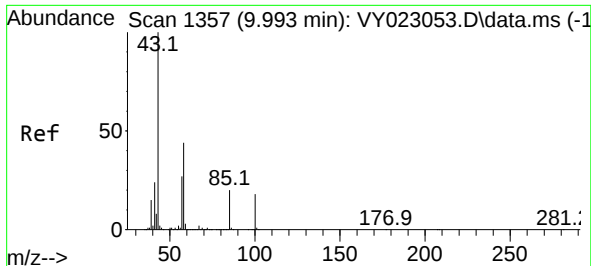
Tgt Ion: 98 Resp: 955913

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.160 ug/l

RT: 10.103 min Scan# 1357

Delta R.T. 0.110 min

Lab File: VY023228.D

Acq: 28 Aug 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

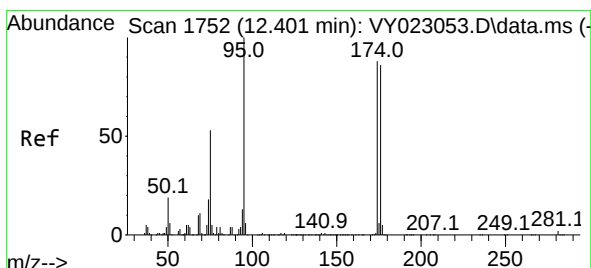
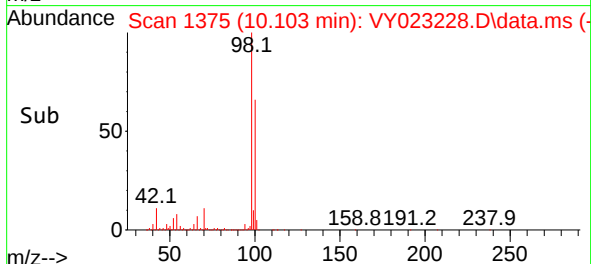
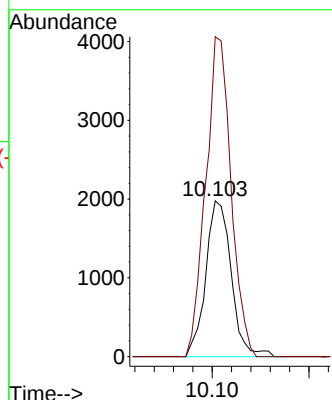
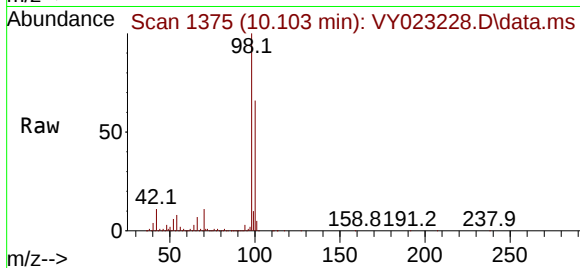
TR-05-08272025

Tgt Ion: 43 Resp: 3612

Ion Ratio Lower Upper

43 100

58 204.4 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 46.530 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023228.D

Acq: 28 Aug 2025 15:51

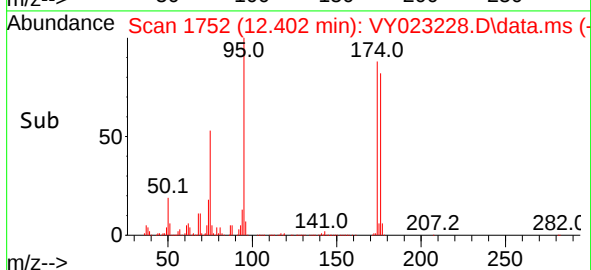
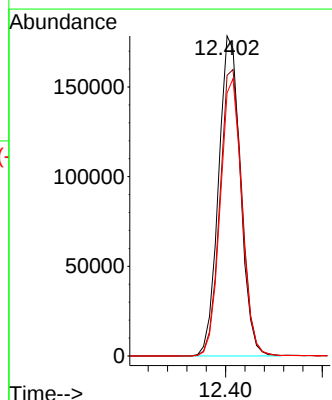
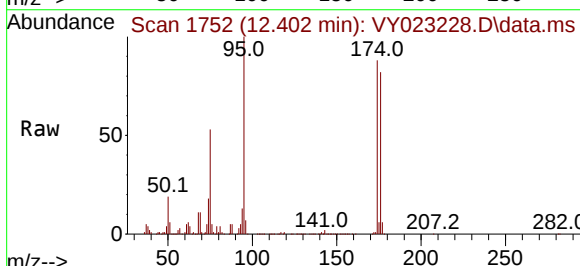
Tgt Ion: 95 Resp: 279689

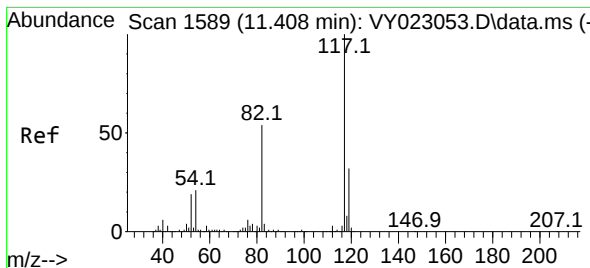
Ion Ratio Lower Upper

95 100

174 90.9 0.0 171.6

176 85.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023228.D

Acq: 28 Aug 2025 15:51

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TR-05-08272025

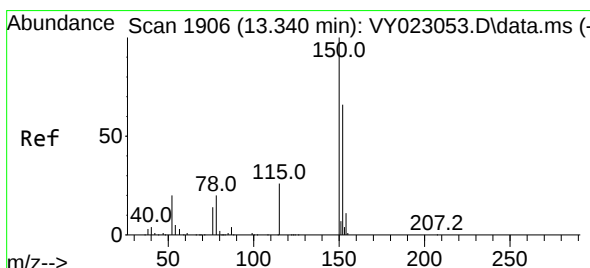
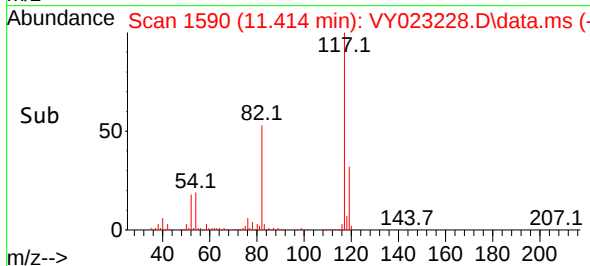
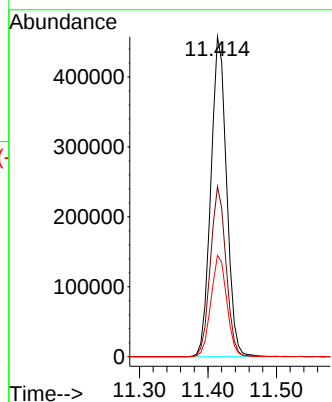
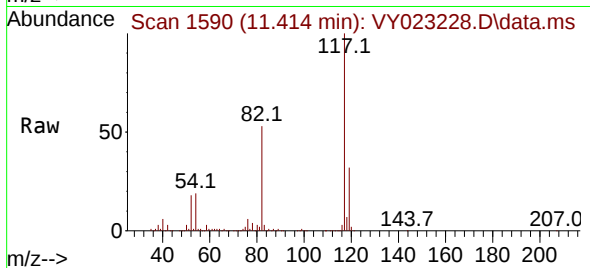
Tgt Ion:117 Resp: 729108

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023228.D

Acq: 28 Aug 2025 15:51

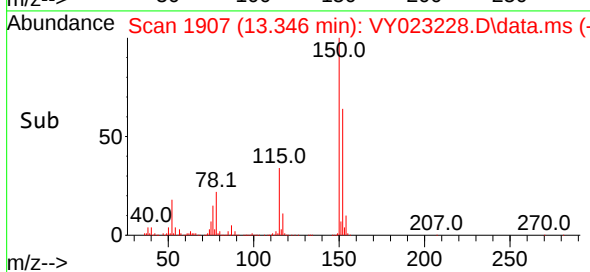
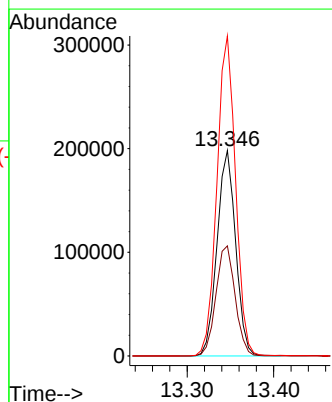
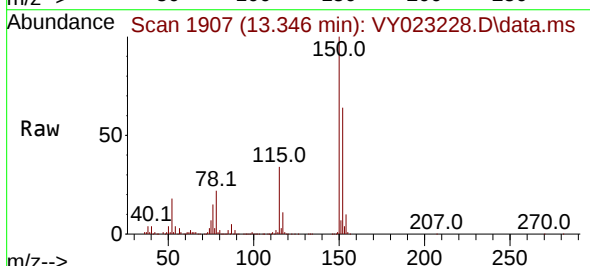
Tgt Ion:152 Resp: 295626

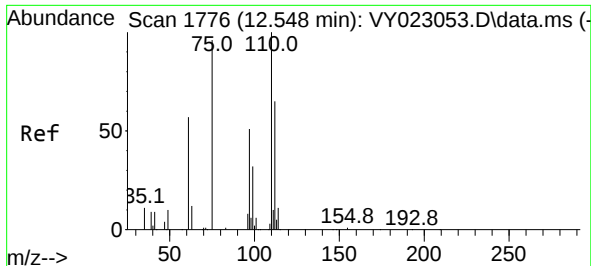
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 156.2 0.0 348.0

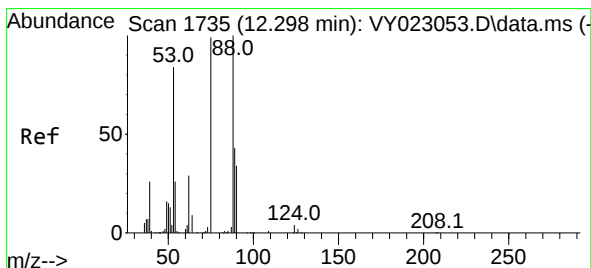
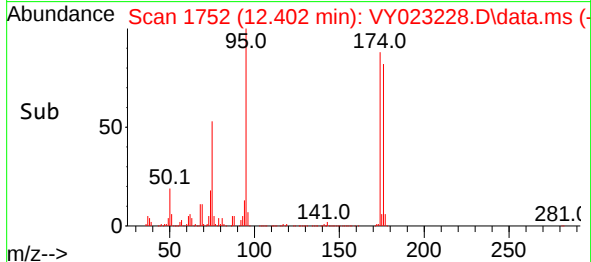
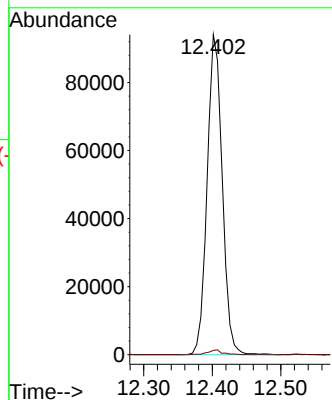
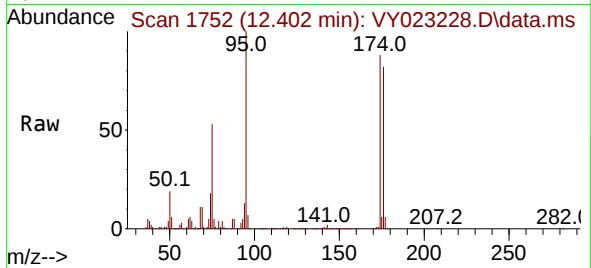




#76
1,2,3-Trichloropropane
Concen: 50.568 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-08272025

Tgt Ion: 75 Resp: 144275
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.408 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023228.D
Acq: 28 Aug 2025 15:51

Tgt Ion: 75 Resp: 144275
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.1 38.1 57.1#

