

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023226.D
 Acq On : 28 Aug 2025 15:04
 Operator : SY/MD
 Sample : Q2970-31
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3

Quant Time: Aug 29 02:11:25 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)

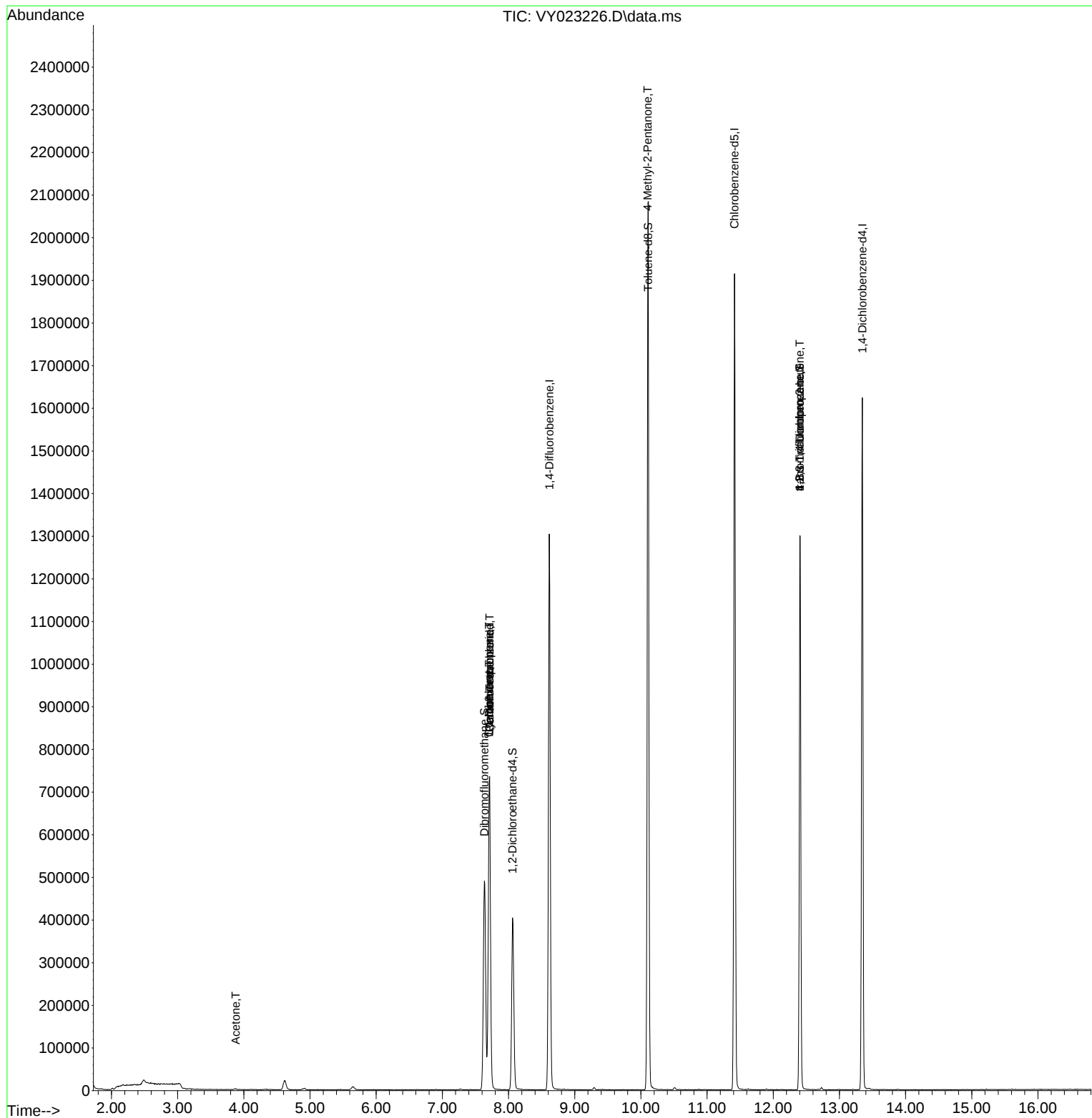
Internal Standards						
1) Pentafluorobenzene	7.713	168	592101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1125735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1015495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	413546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316571	56.098	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.200%
35) Dibromofluoromethane	7.634	113	358973	53.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.580%
50) Toluene-d8	10.109	98	1349930	51.299	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.401	95	399491	47.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.420%
Target Compounds						
					Qvalue	
16) Acetone	3.878	43	3459	2.829	ug/l #	80
20) Methylene Chloride	4.622	84	16687	Below Cal		96
31) Cyclohexane	7.707	56	11507	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43059	4.301	ug/l #	50
38) Carbon Tetrachloride	7.713	117	55843	5.136	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5377	1.226	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	202524	50.743	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	202524	122.833	ug/l #	14

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

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Quant Time: Aug 29 02:11:25 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

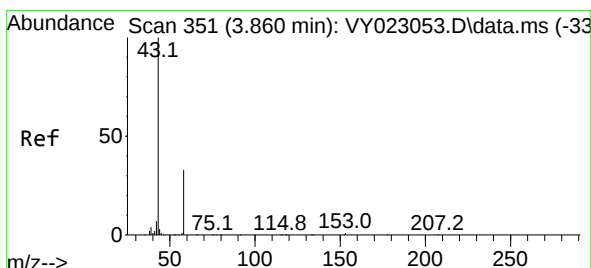
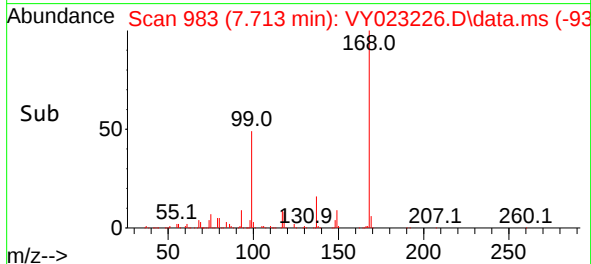
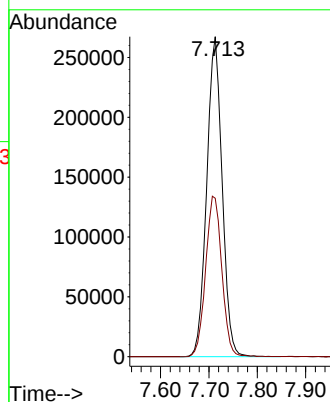
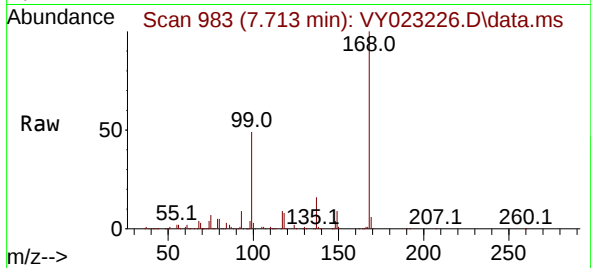




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

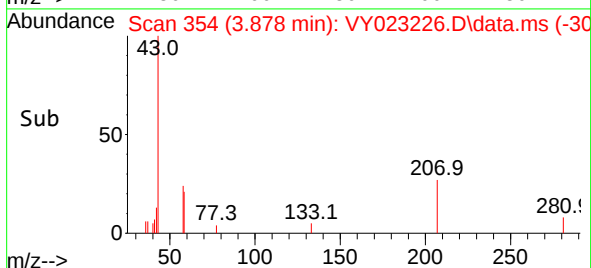
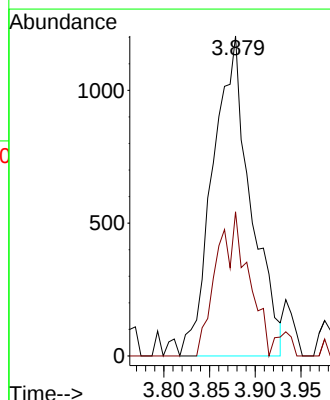
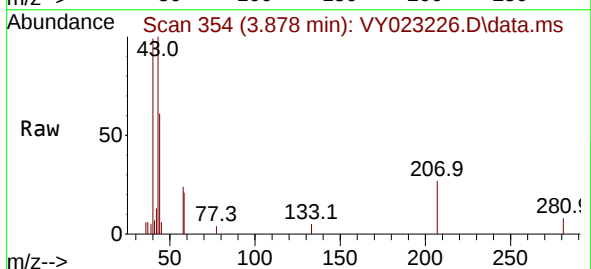
Instrument :
MSVOA_Y
ClientSampleId :
TP3

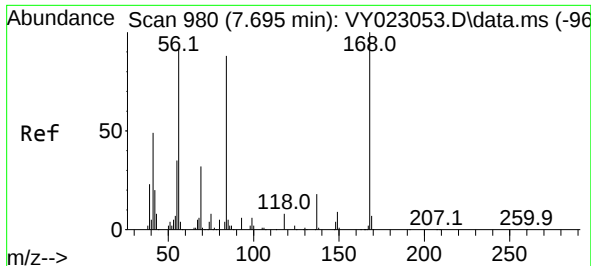
Tgt Ion:168 Resp: 592101
Ion Ratio Lower Upper
168 100
99 49.5 42.8 64.2



#16
Acetone
Concen: 2.829 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

Tgt Ion: 43 Resp: 3459
Ion Ratio Lower Upper
43 100
58 45.1 27.1 40.7#

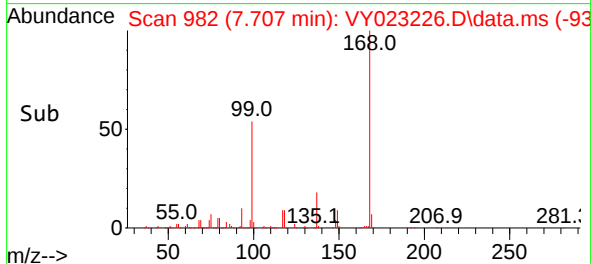
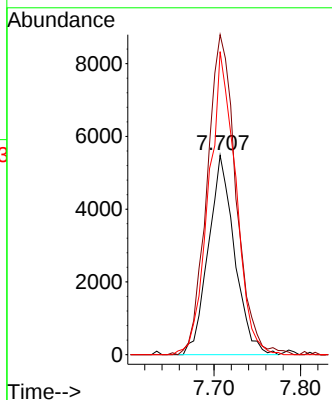
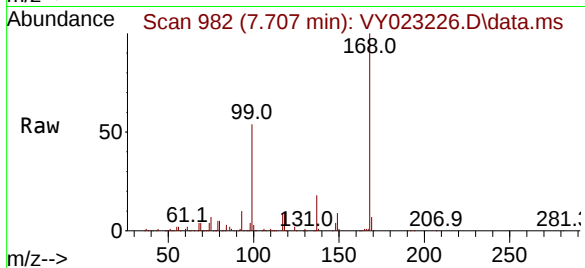




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

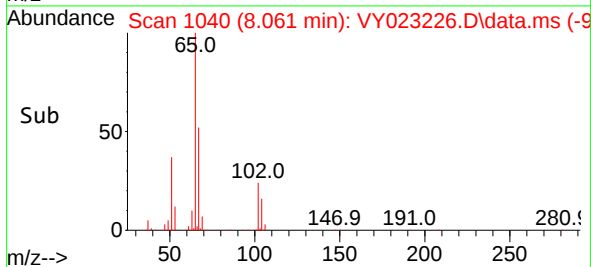
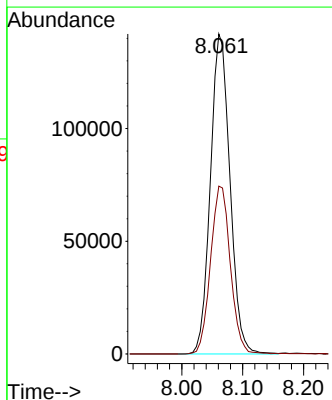
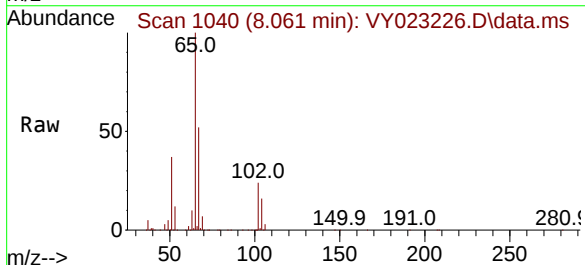
Instrument :
MSVOA_Y
ClientSampleId :
TP3

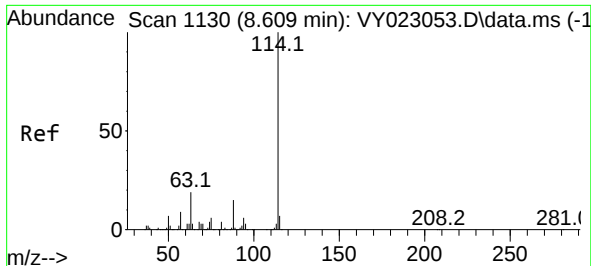
Tgt Ion: 56 Resp: 11507
Ion Ratio Lower Upper
56 100
69 160.5 28.2 42.2#
84 150.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.098 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

Tgt Ion: 65 Resp: 316571
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023226.D

Acq: 28 Aug 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

TP3

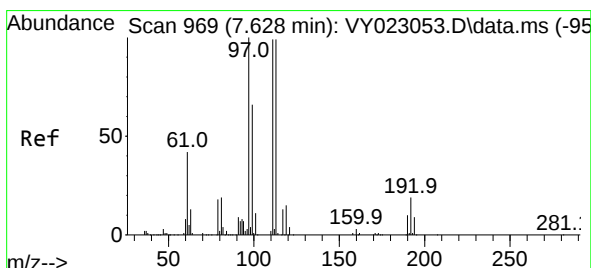
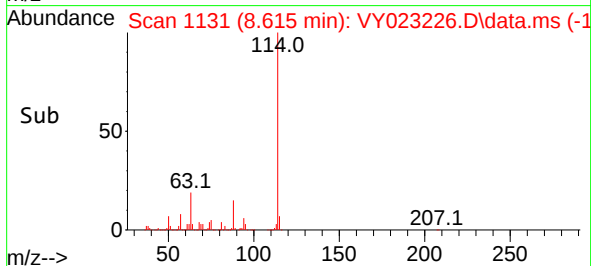
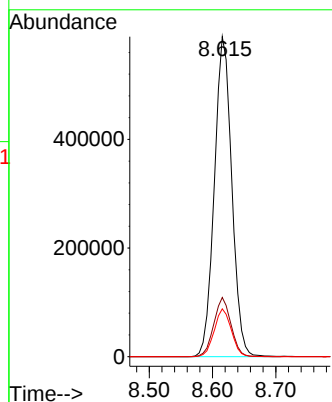
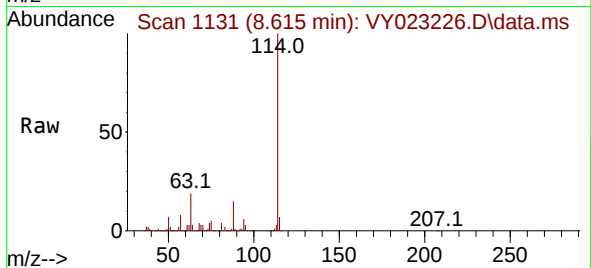
Tgt Ion:114 Resp: 1125735

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.291 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023226.D

Acq: 28 Aug 2025 15:04

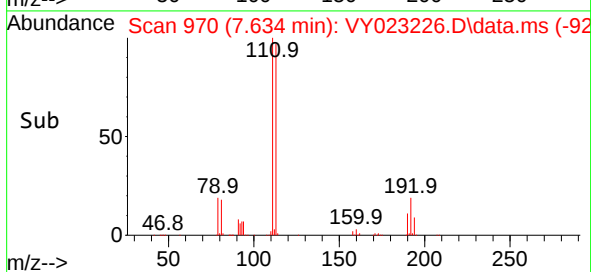
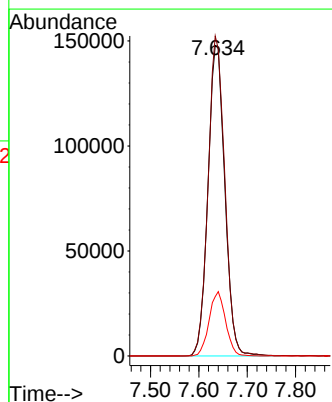
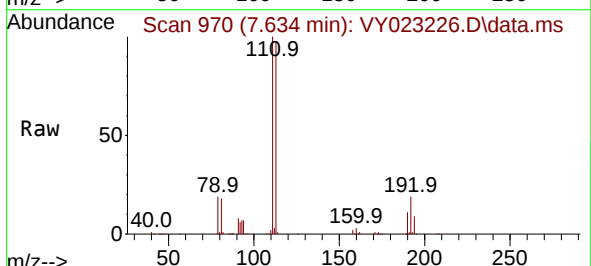
Tgt Ion:113 Resp: 358973

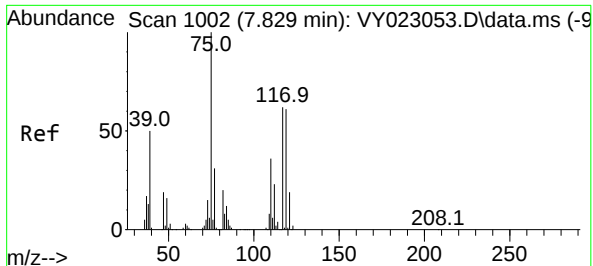
Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

192 20.2 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.301 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023226.D

Acq: 28 Aug 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

TP3

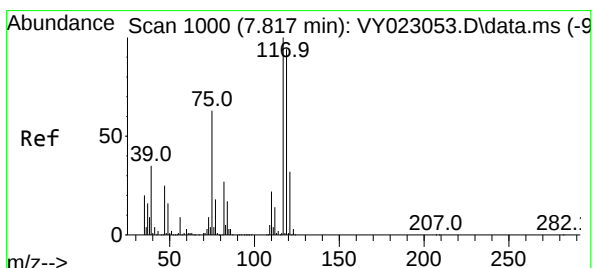
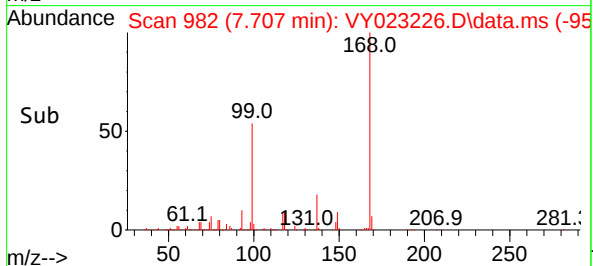
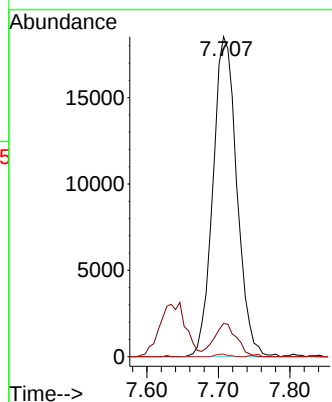
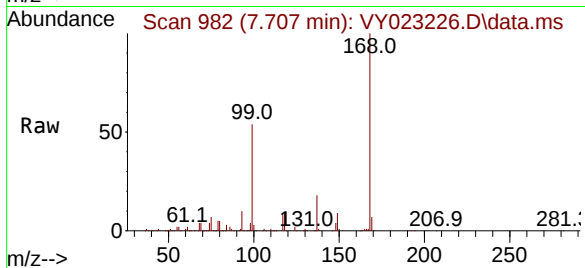
Tgt Ion: 75 Resp: 43059

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

77 0.4 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.136 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023226.D

Acq: 28 Aug 2025 15:04

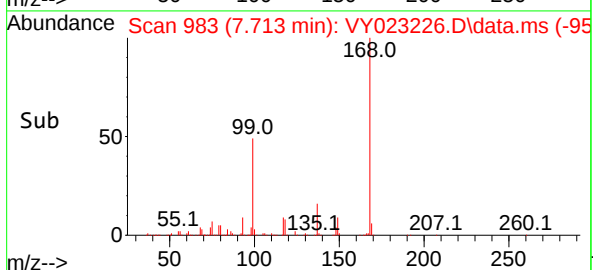
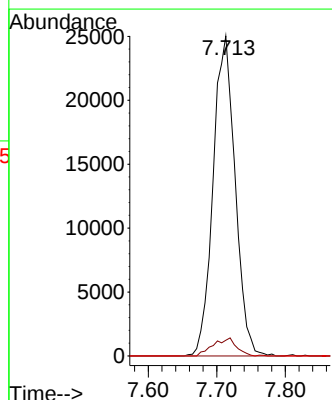
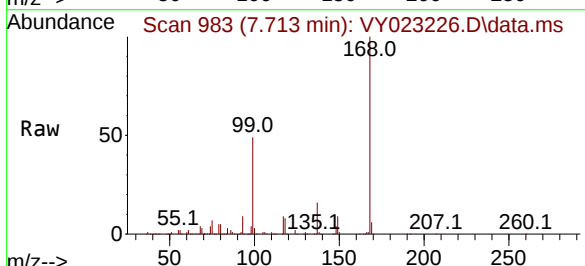
Tgt Ion: 117 Resp: 55843

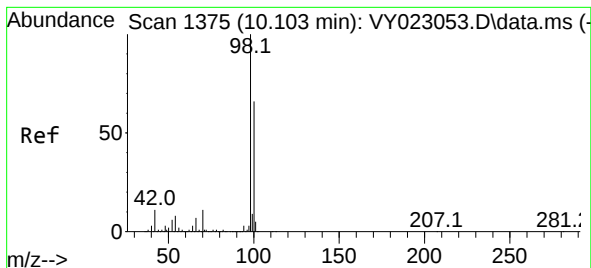
Ion Ratio Lower Upper

117 100

119 4.9 75.6 113.4#

121 0.0 25.8 38.8#

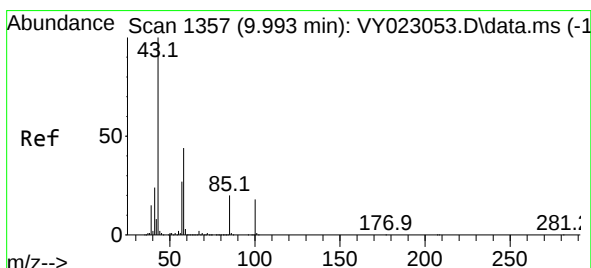
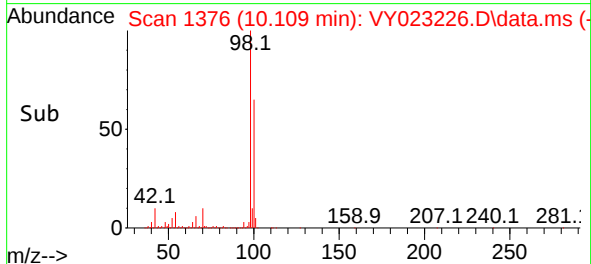
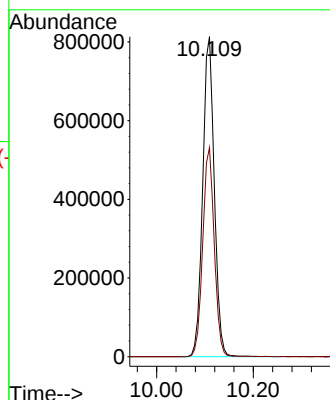
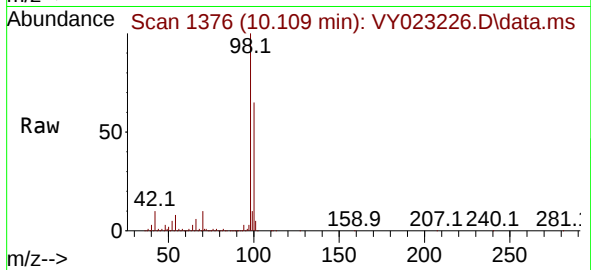




#50
Toluene-d8
Concen: 51.299 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

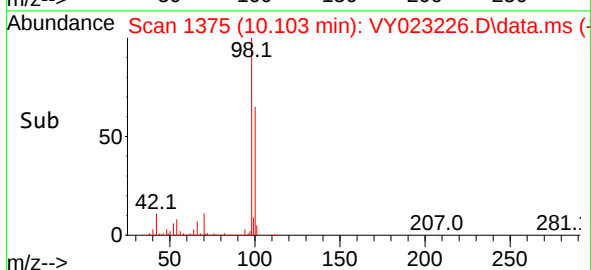
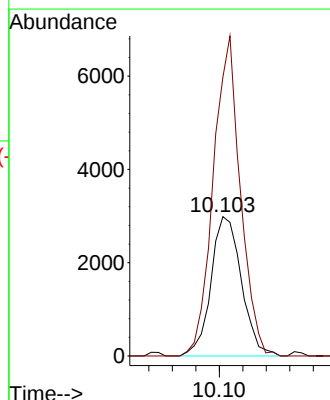
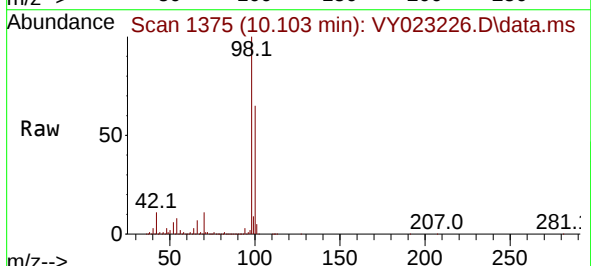
Instrument :
MSVOA_Y
ClientSampleId :
TP3

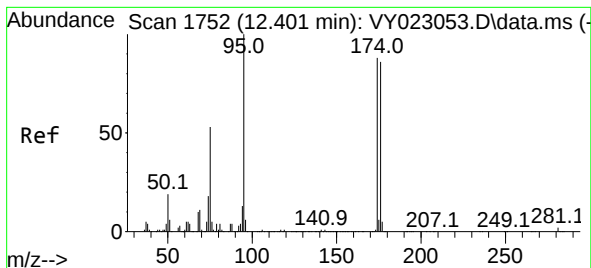
Tgt Ion: 98 Resp: 1349930
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.226 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

Tgt Ion: 43 Resp: 5377
Ion Ratio Lower Upper
43 100
58 204.7 33.5 50.3#

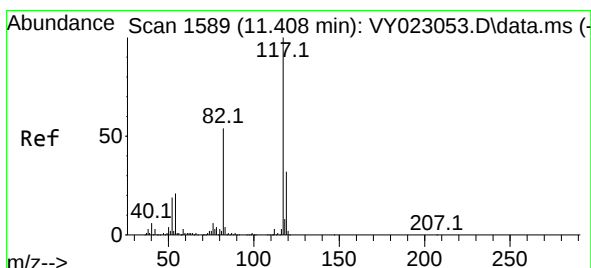
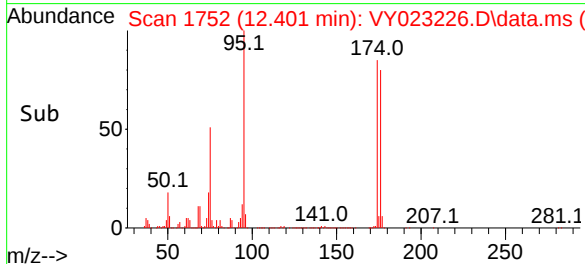
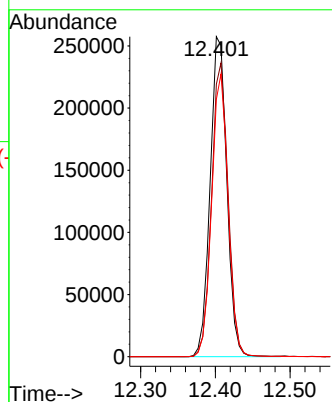
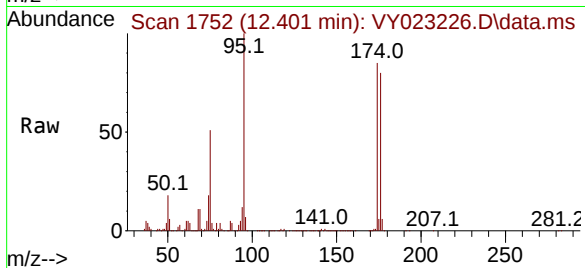




#62
4-Bromofluorobenzene
Concen: 47.205 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

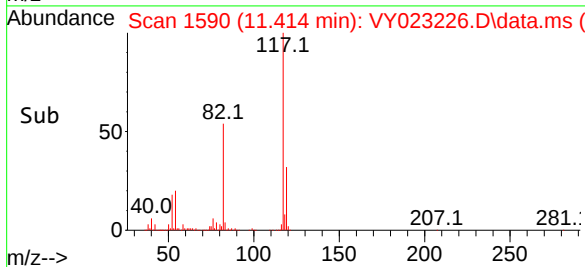
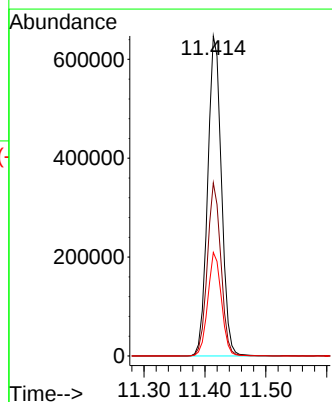
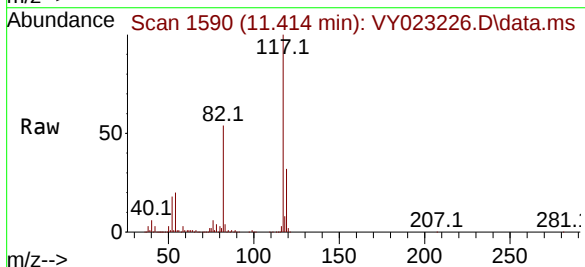
Instrument :
MSVOA_Y
ClientSampleId :
TP3

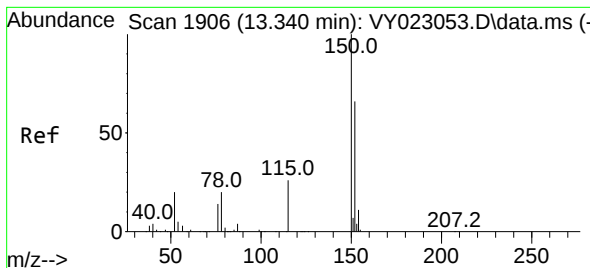
Tgt Ion: 95 Resp: 399491
Ion Ratio Lower Upper
95 100
174 91.2 0.0 171.6
176 87.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023226.D
Acq: 28 Aug 2025 15:04

Tgt Ion: 117 Resp: 1015495
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.4 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: VY023226.D

Acq: 28 Aug 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

TP3

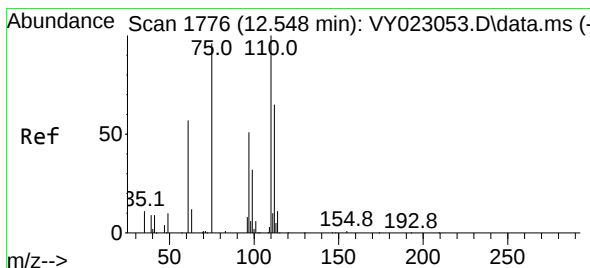
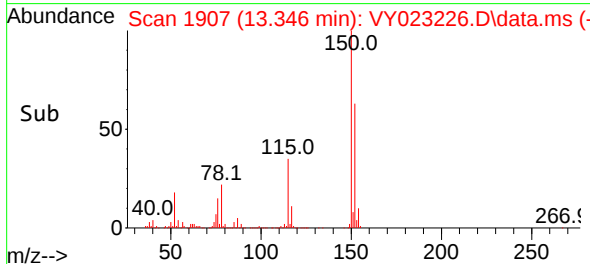
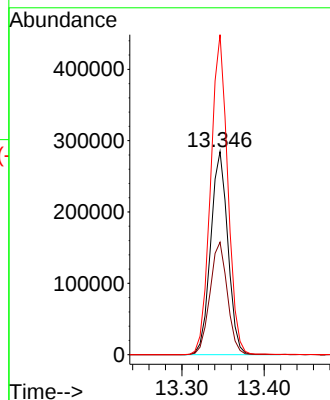
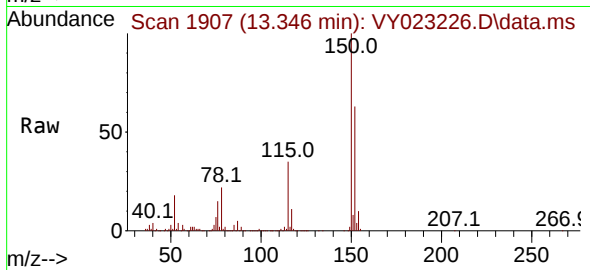
Tgt Ion:152 Resp: 413546

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 157.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.743 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023226.D

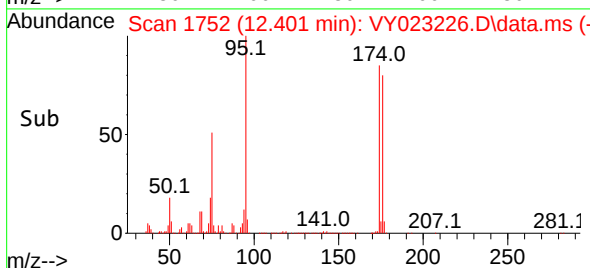
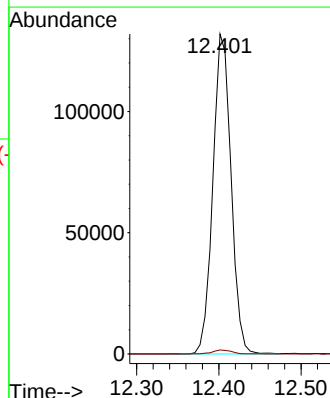
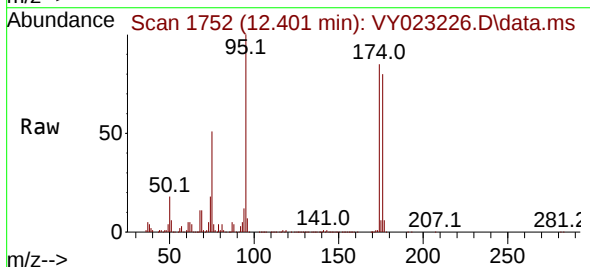
Acq: 28 Aug 2025 15:04

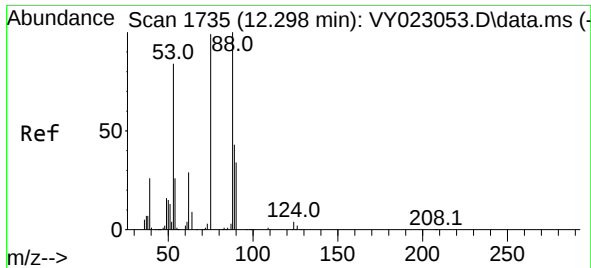
Tgt Ion: 75 Resp: 202524

Ion Ratio Lower Upper

75 100

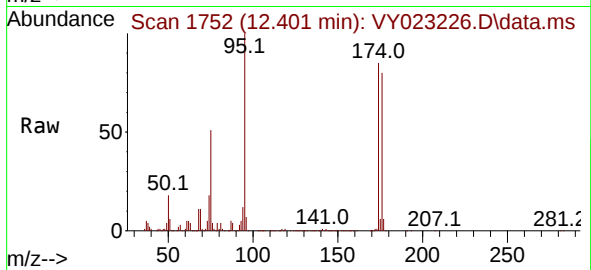
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.833 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023226.D
 Acq: 28 Aug 2025 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3



Tgt Ion: 75 Resp: 202524
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

