

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022151.D
 Acq On : 05 May 2025 12:01
 Operator : SY/MD
 Sample : Q1952-01
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLEAN-FILL

Quant Time: May 06 05:20:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

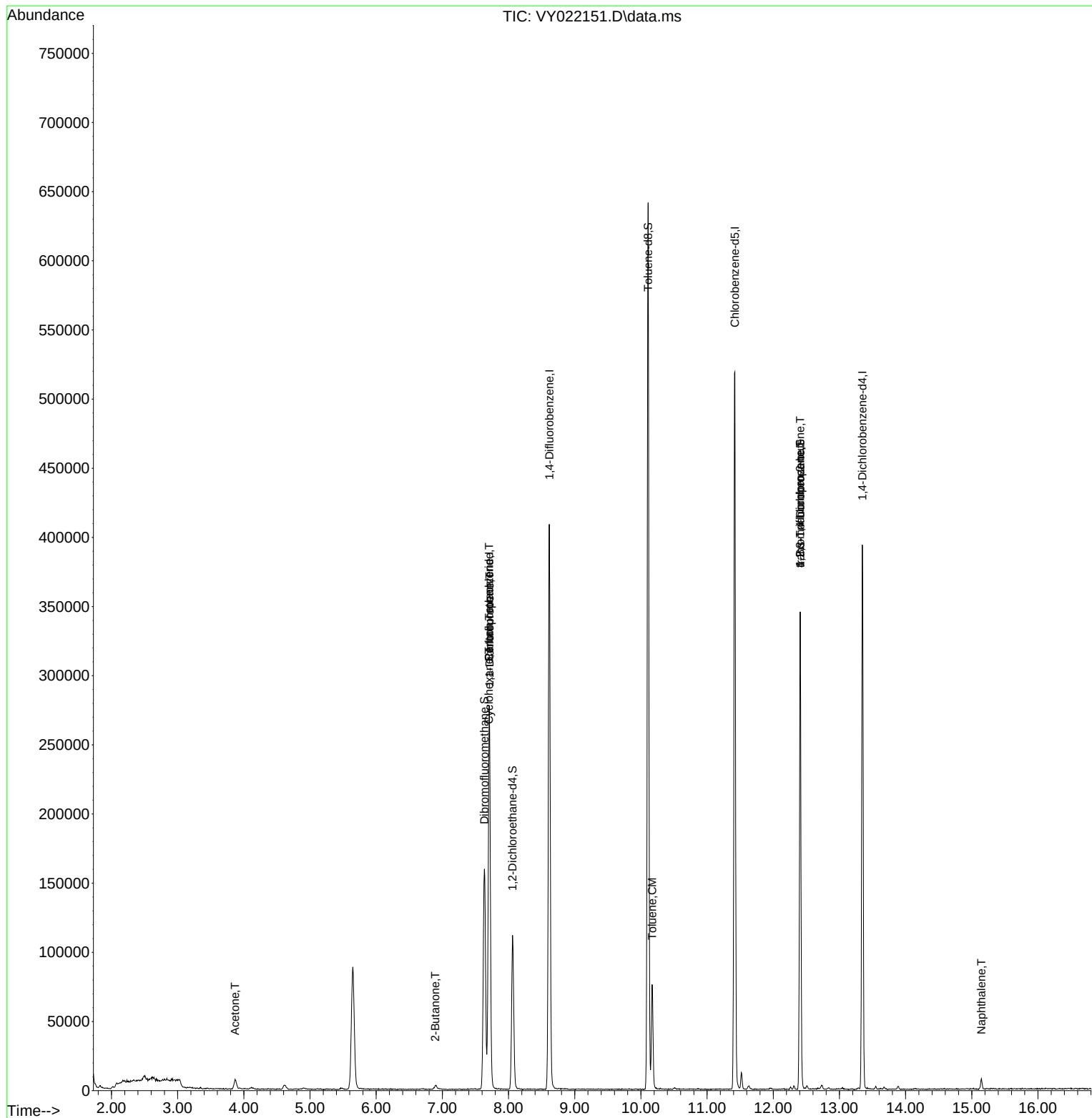
Internal Standards						
1) Pentafluorobenzene	7.707	168	212558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	294304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	103614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88953	45.307	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.620%
35) Dibromofluoromethane	7.634	113	118652	49.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.109	98	424387	47.422	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.408	95	106628	35.393	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.780%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	11889	27.229	ug/l	100
25) 2-Butanone	6.890	43	4851	10.839	ug/l	99
31) Cyclohexane	7.701	56	4397	1.355	ug/l #	27
36) 1,1-Dichloropropene	7.713	75	15954	5.003	ug/l #	49
38) Carbon Tetrachloride	7.707	117	20735	5.442	ug/l #	18
52) Toluene	10.170	92	31337	4.857	ug/l	99
76) 1,2,3-Trichloropropane	12.408	75	52762	59.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	52762	143.164	ug/l #	16
95) Naphthalene	15.145	128	6013	2.061	ug/l	98

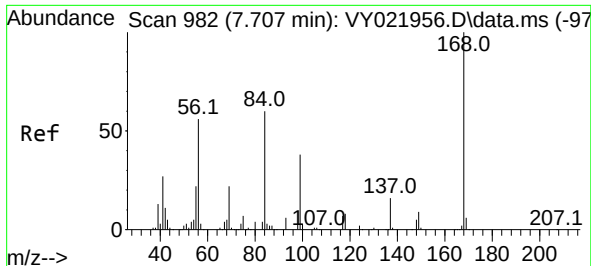
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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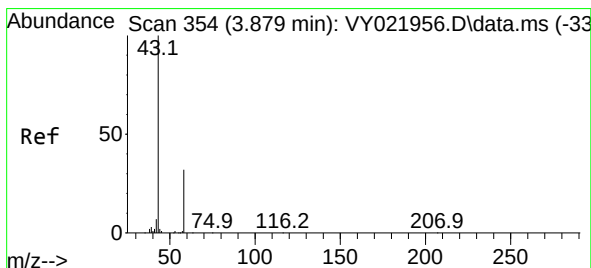
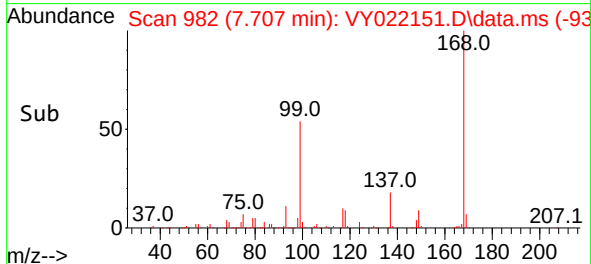
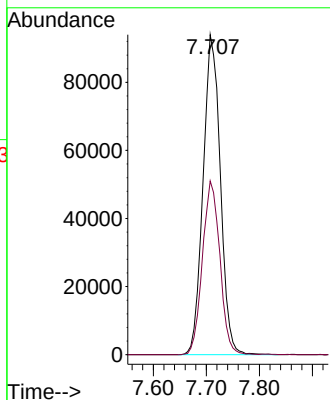
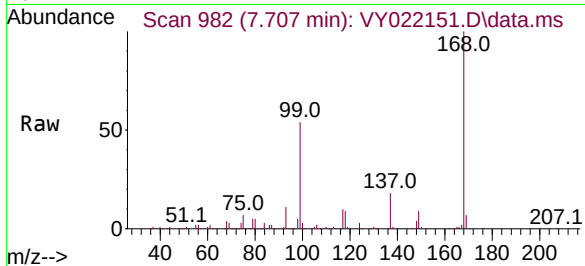




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

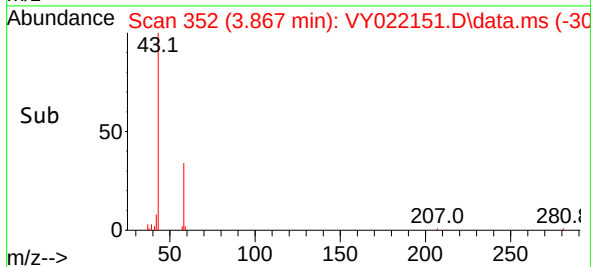
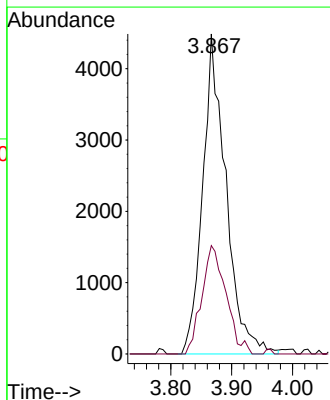
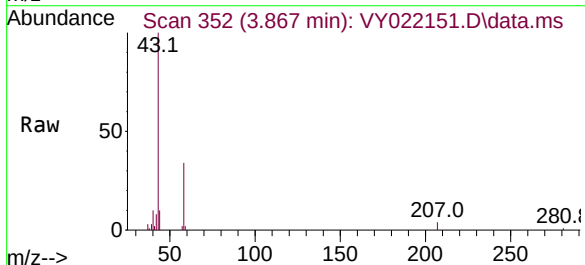
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

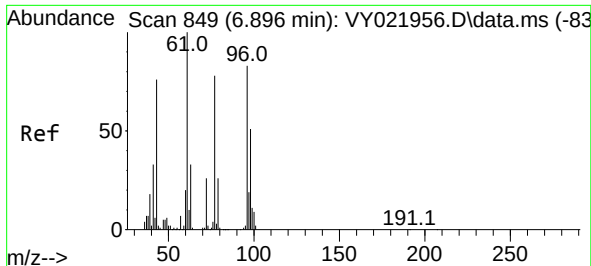
Tgt Ion:168 Resp: 212558
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: 27.229 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 43 Resp: 11889
Ion Ratio Lower Upper
43 100
58 33.8 27.0 40.4





#25

2-Butanone

Concen: 10.839 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

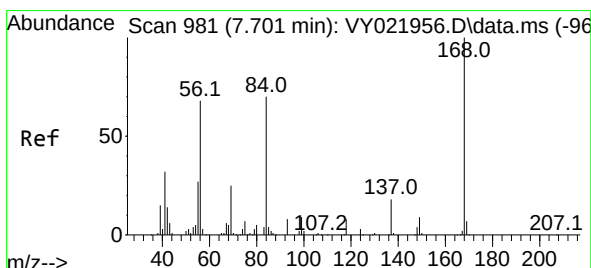
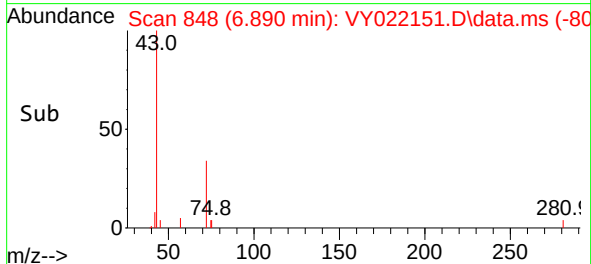
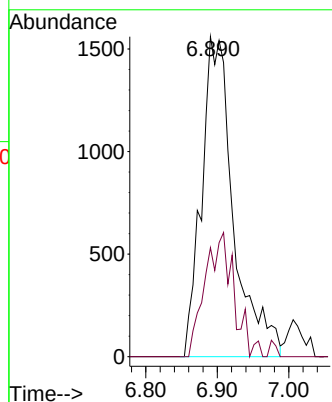
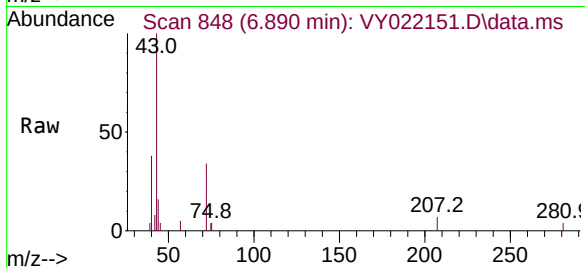
CLEAN-FILL

Tgt Ion: 43 Resp: 4851

Ion Ratio Lower Upper

43 100

72 34.0 27.0 40.4



#31

Cyclohexane

Concen: 1.355 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

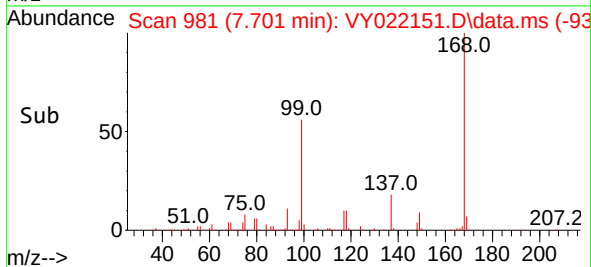
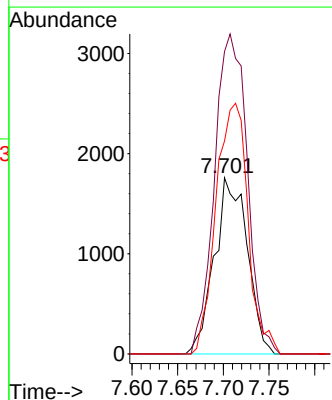
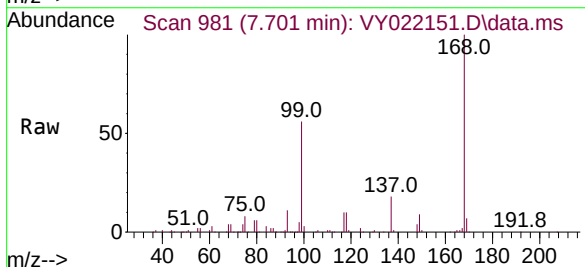
Tgt Ion: 56 Resp: 4397

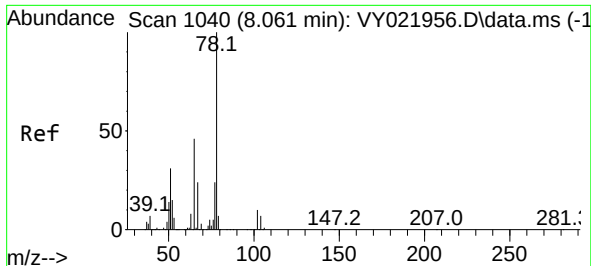
Ion Ratio Lower Upper

56 100

69 171.6 29.4 44.2#

84 120.8 82.2 123.4





#33

1,2-Dichloroethane-d4

Concen: 45.307 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

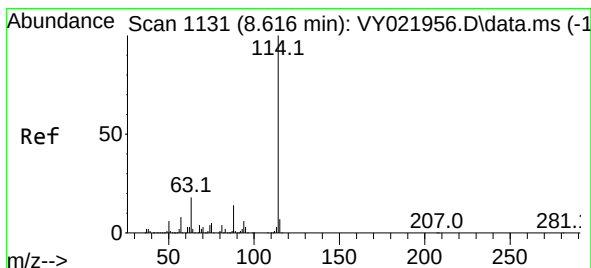
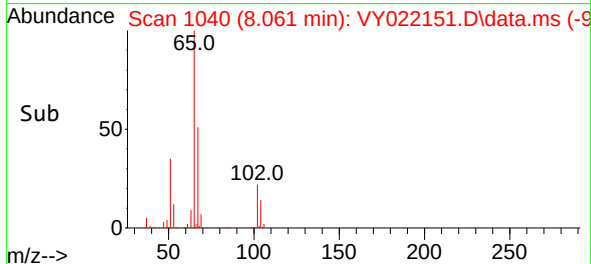
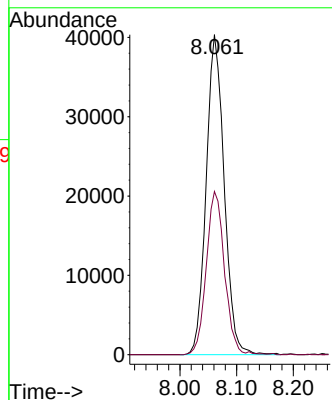
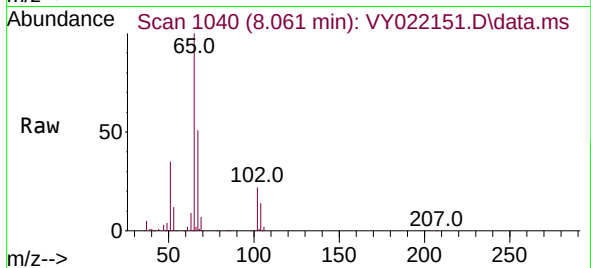
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Tgt Ion: 65 Resp: 88953

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

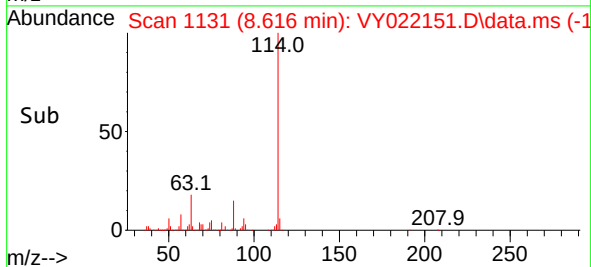
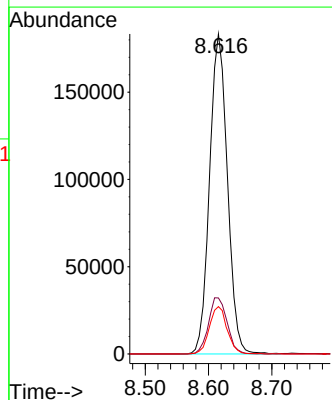
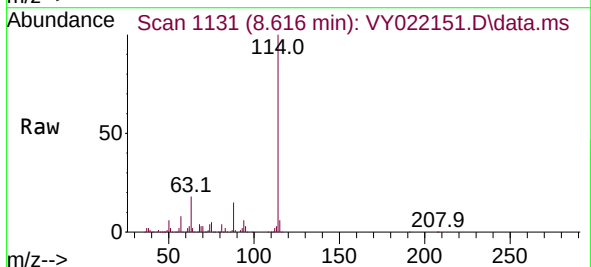
Tgt Ion:114 Resp: 359311

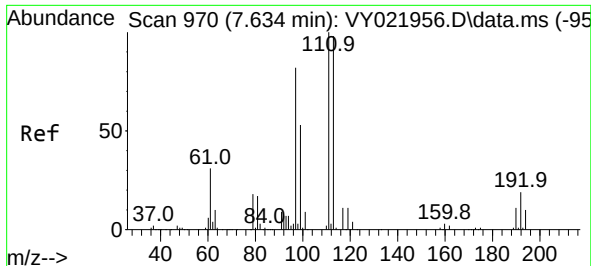
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.8 0.0 28.2

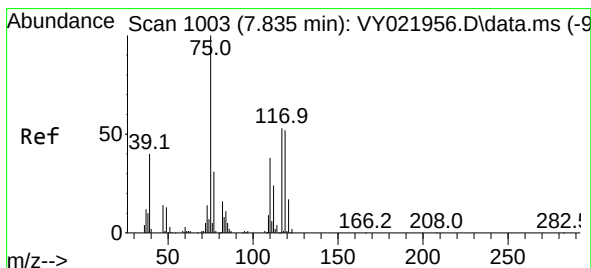
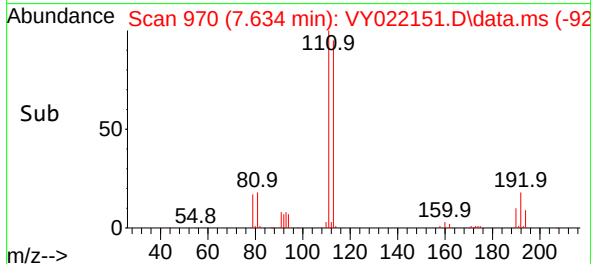
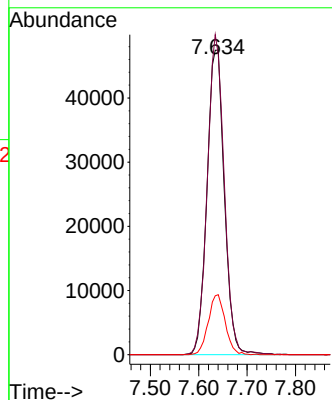
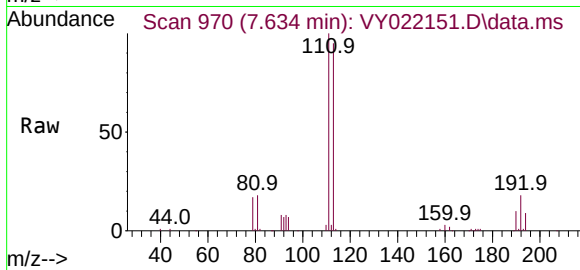




#35
Dibromofluoromethane
Concen: 49.984 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

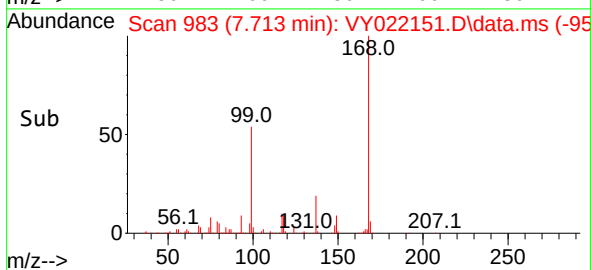
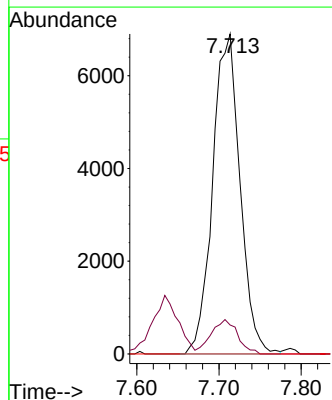
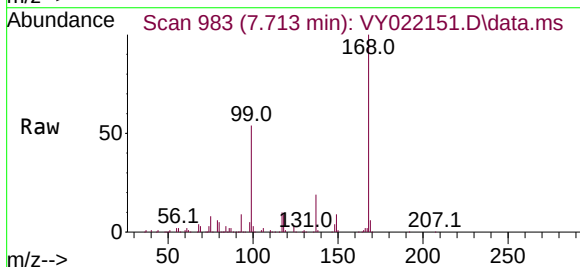
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

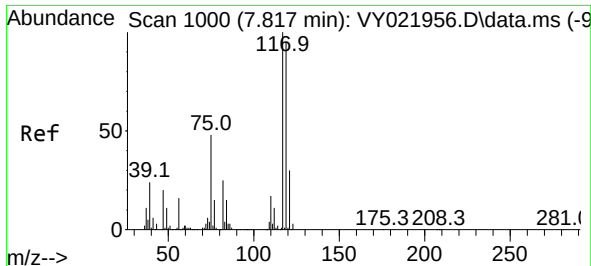
Tgt Ion:113 Resp: 118652
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 75 Resp: 15954
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.5 38.3#

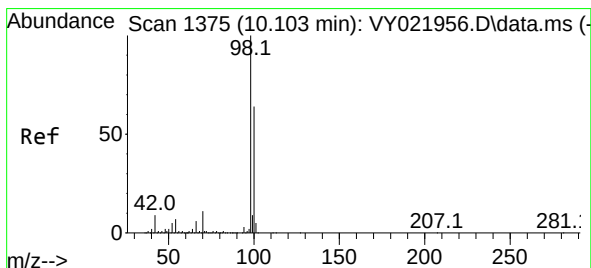
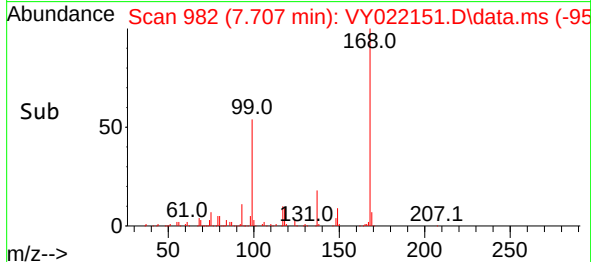
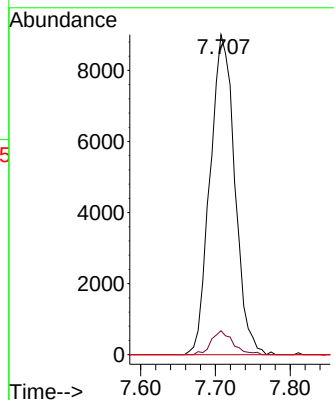
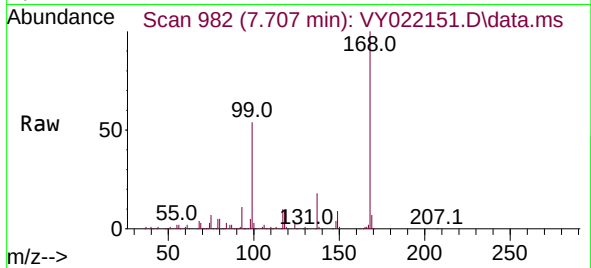




#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

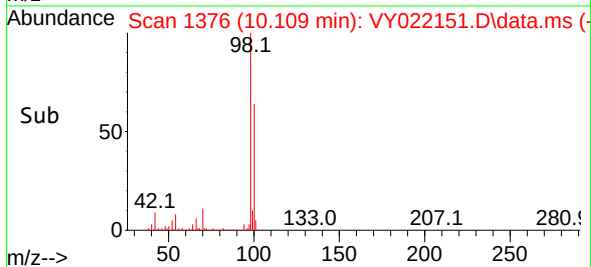
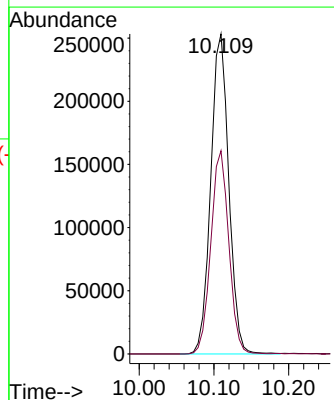
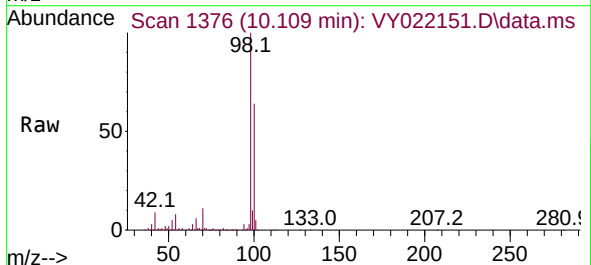
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

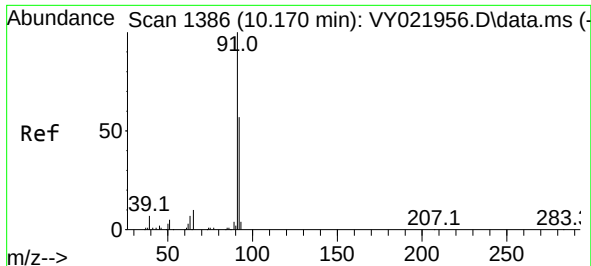
Tgt Ion:117 Resp: 20735
Ion Ratio Lower Upper
117 100
119 7.5 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.422 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 98 Resp: 424387
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

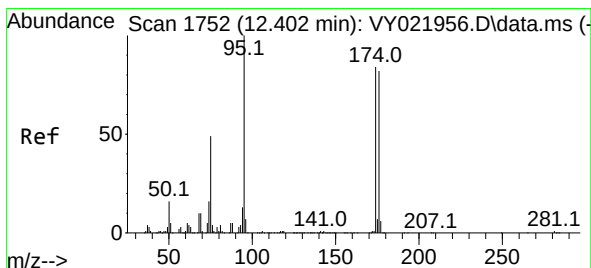
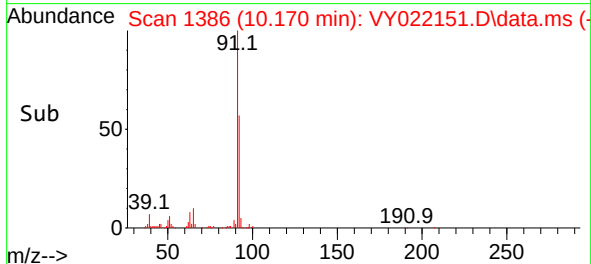
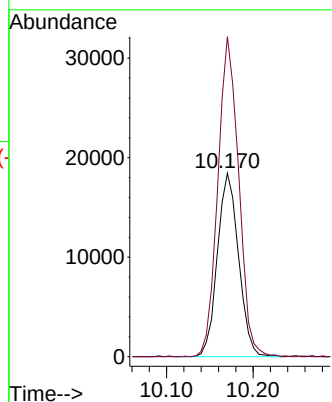
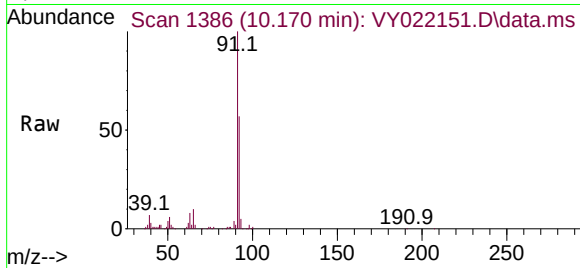




#52
Toluene
Concen: 4.857 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

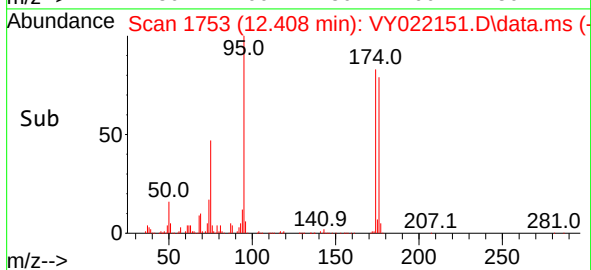
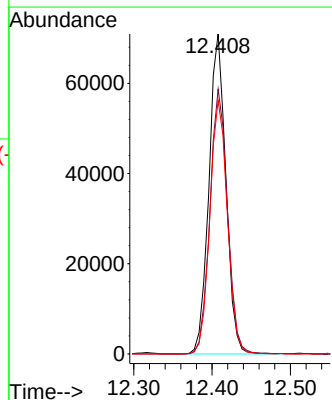
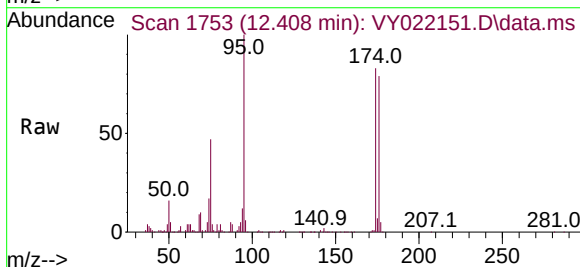
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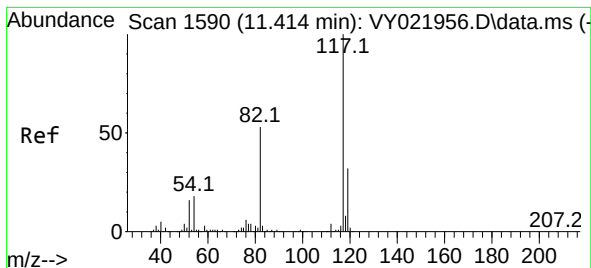
Tgt Ion: 92 Resp: 31337
Ion Ratio Lower Upper
92 100
91 172.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 35.393 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 95 Resp: 106628
Ion Ratio Lower Upper
95 100
174 85.7 0.0 179.0
176 81.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

CLEAN-FILL

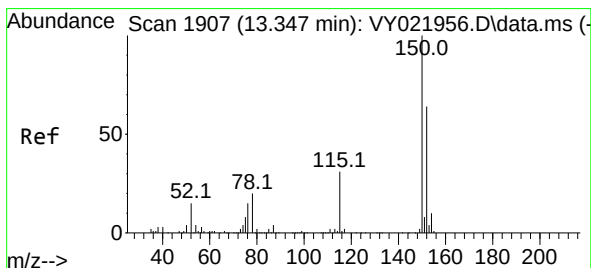
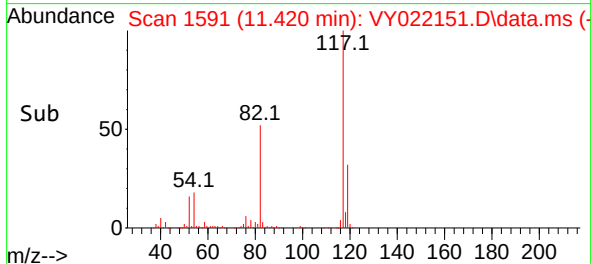
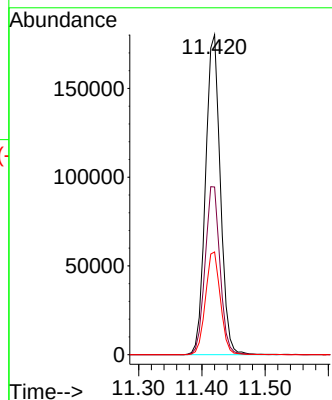
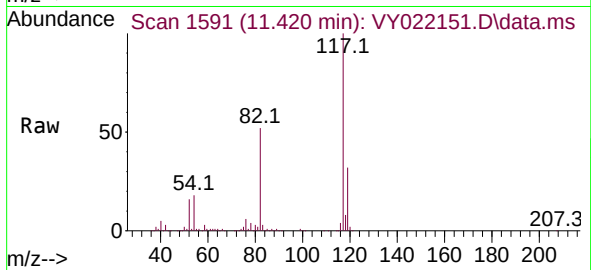
Tgt Ion:117 Resp: 294304

Ion Ratio Lower Upper

117 100

82 52.4 42.1 63.1

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022151.D

Acq: 05 May 2025 12:01

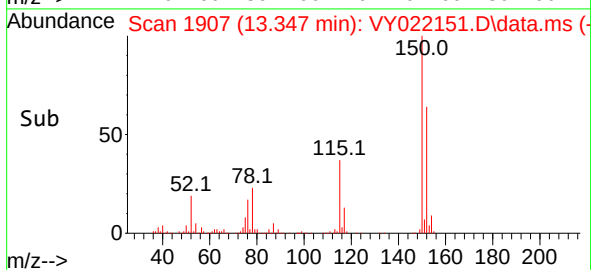
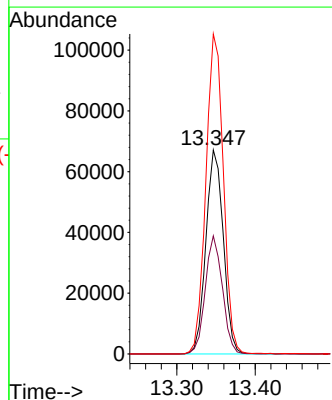
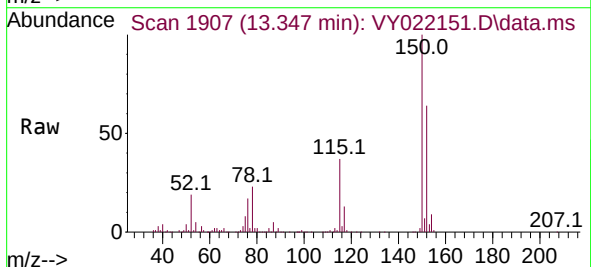
Tgt Ion:152 Resp: 103614

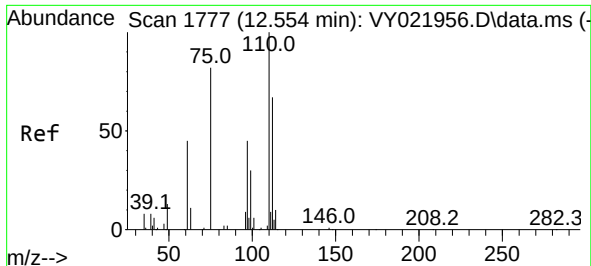
Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 157.0 0.0 345.6

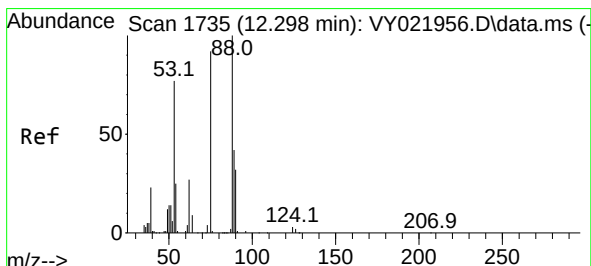
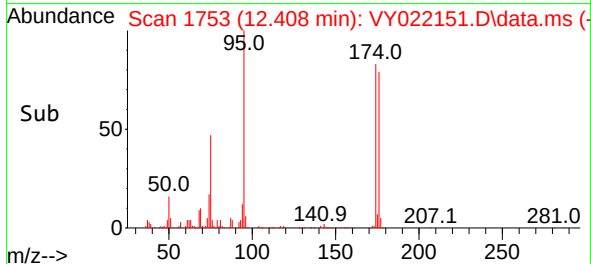
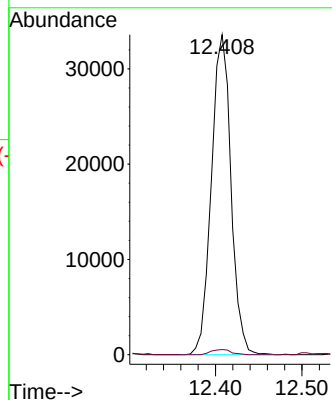
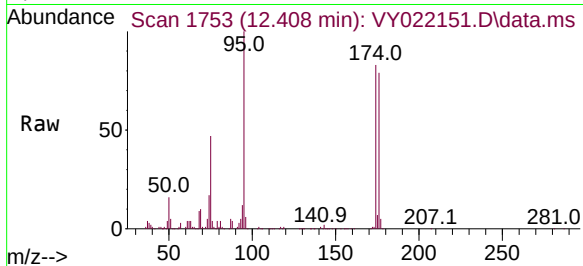




#76
1,2,3-Trichloropropane
Concen: 59.450 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

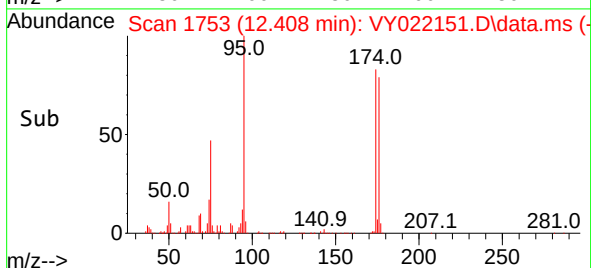
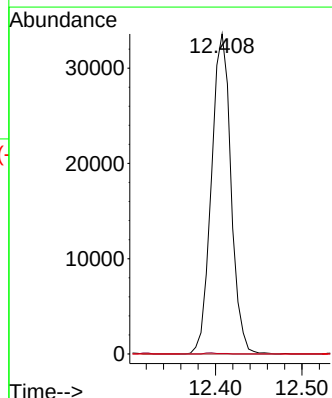
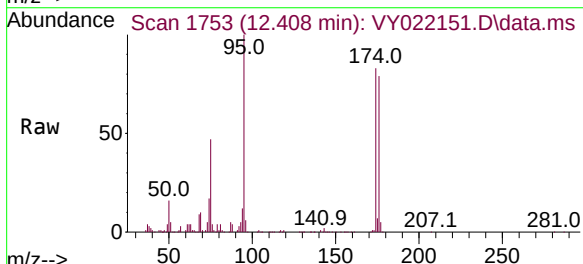
Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

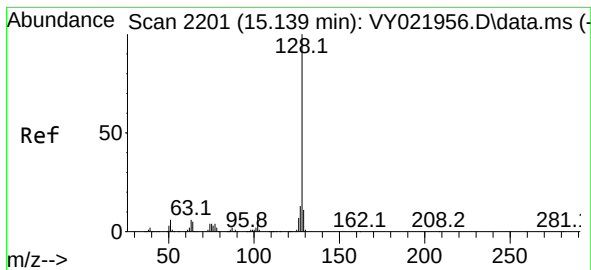
Tgt Ion: 75 Resp: 52762
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.164 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Tgt Ion: 75 Resp: 52762
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 2.061 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022151.D
Acq: 05 May 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
CLEAN-FILL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	10.7	8.9	13.3

