

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023689.D
 Acq On : 05 Nov 2025 15:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 06 03:31:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	768865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1340605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1166287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	477373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	399794	60.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.920%
35) Dibromofluoromethane	7.634	113	431490	51.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.000%
50) Toluene-d8	10.109	98	1523891	48.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.408	95	454212	45.005	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.020%

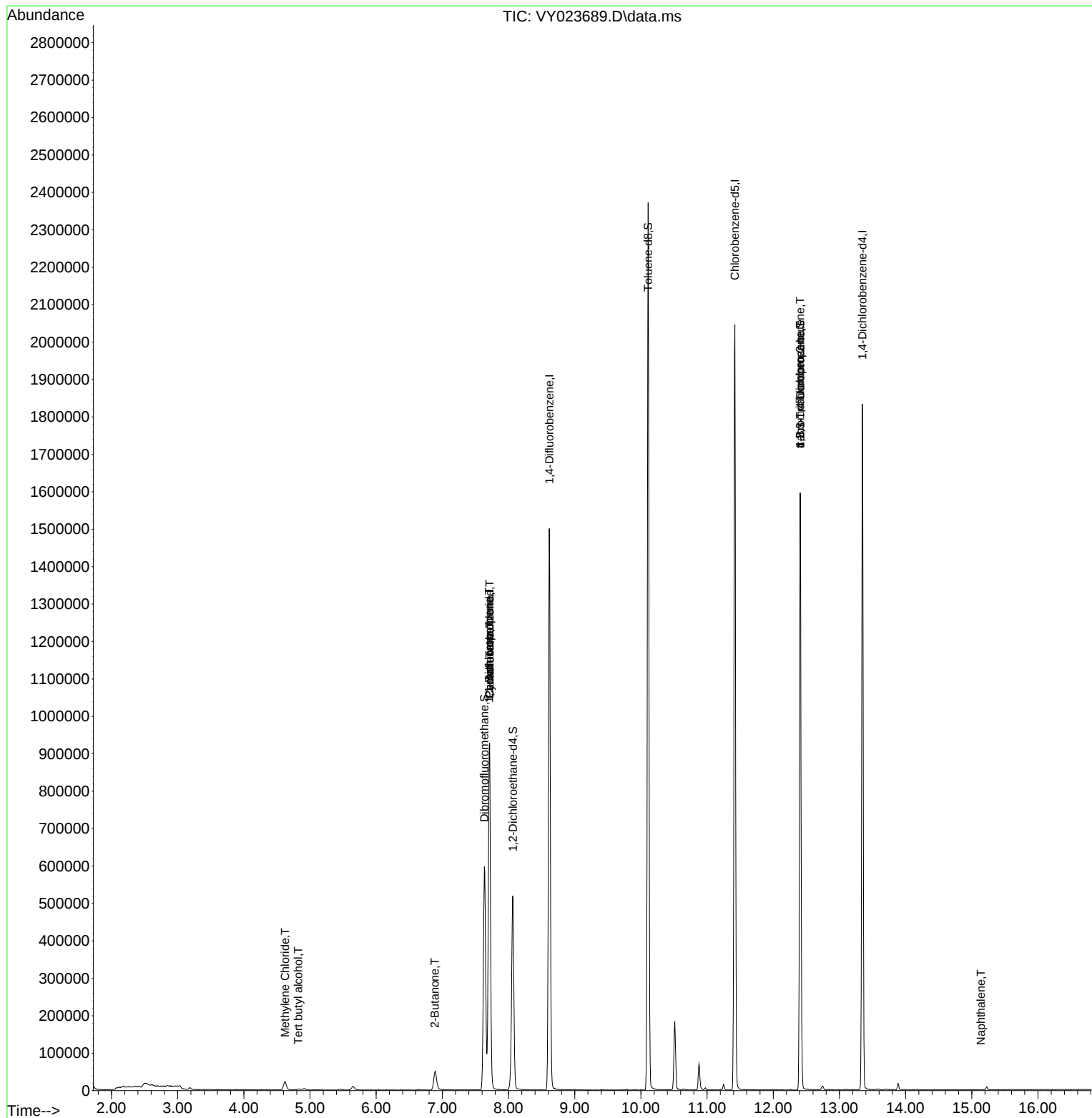
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.824	59	1614	3.817	ug/l #	74
20) Methylene Chloride	4.622	84	17367	2.207	ug/l	96
25) 2-Butanone	6.884	43	2648	1.405	ug/l #	61
31) Cyclohexane	7.713	56	13162	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52534	4.693	ug/l #	48
38) Carbon Tetrachloride	7.713	117	71206	5.398	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	226480	58.621	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	226480	132.481	ug/l #	14
95) Naphthalene	15.139	128	391	5.287	ug/l #	76

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

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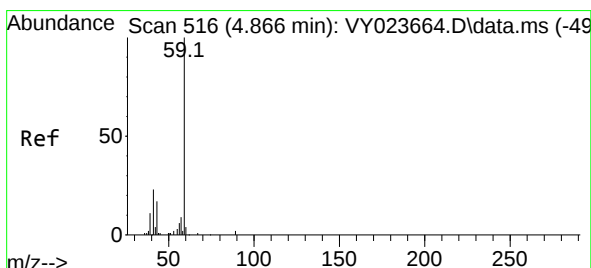
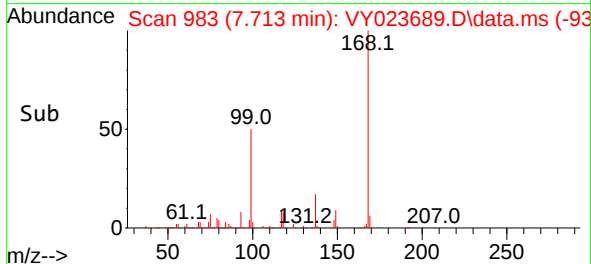
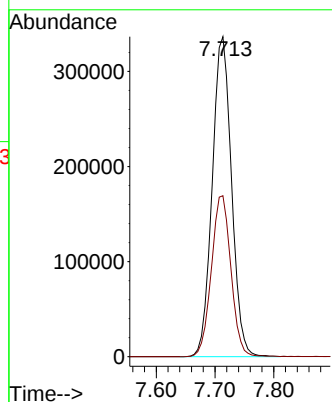
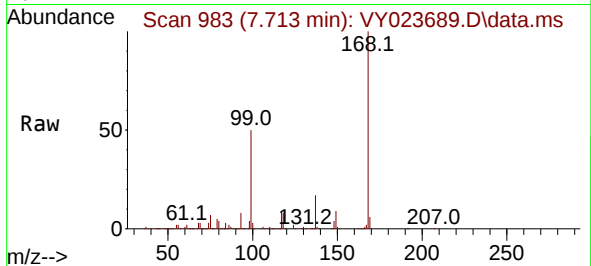




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

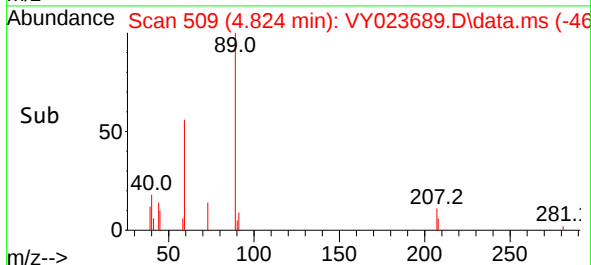
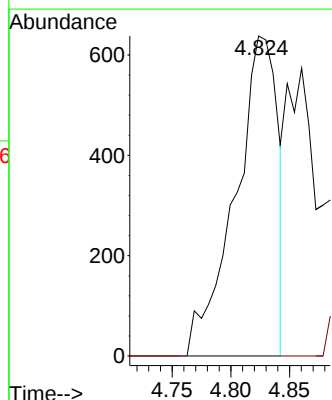
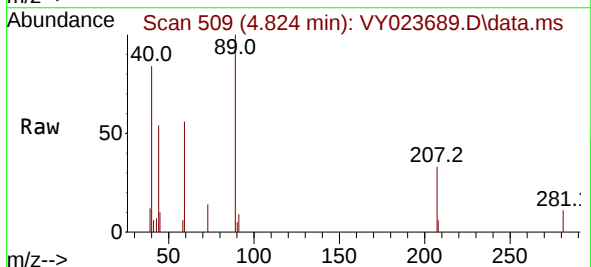
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

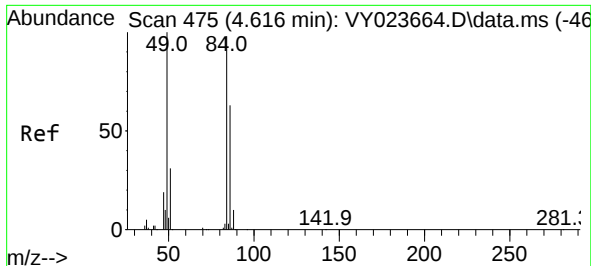
Tgt Ion:168 Resp: 768865
Ion Ratio Lower Upper
168 100
99 50.3 41.0 61.4



#11
Tert butyl alcohol
Concen: 3.817 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion: 59 Resp: 1614
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

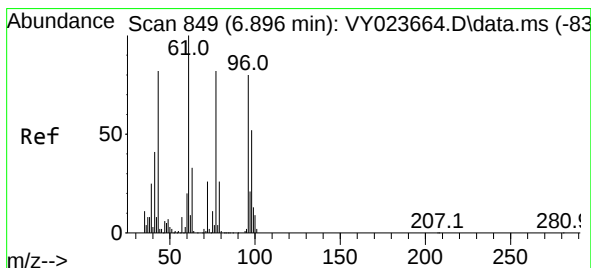
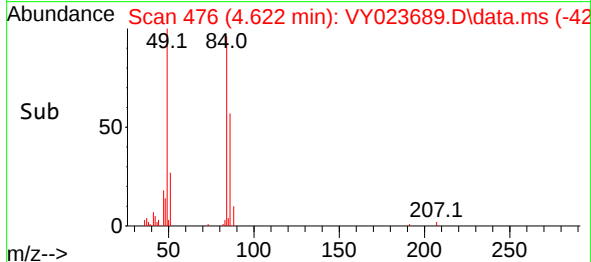
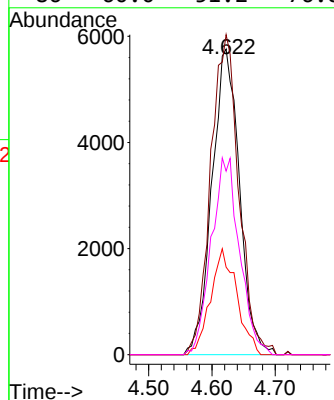
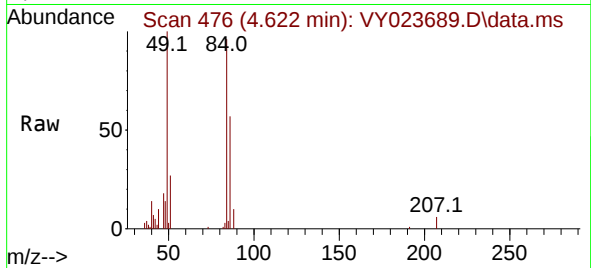




#20
Methylene Chloride
Concen: 2.207 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

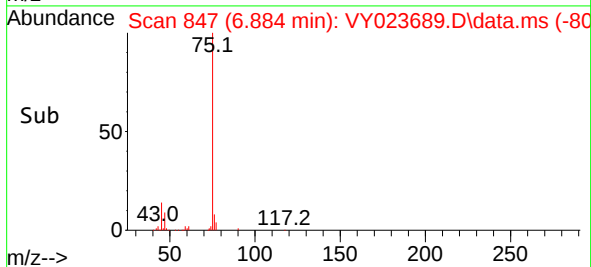
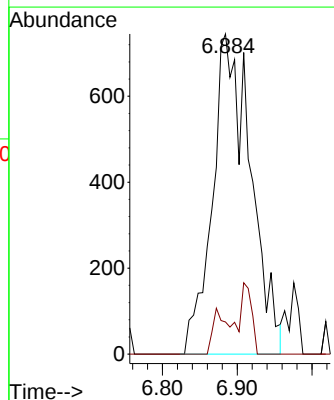
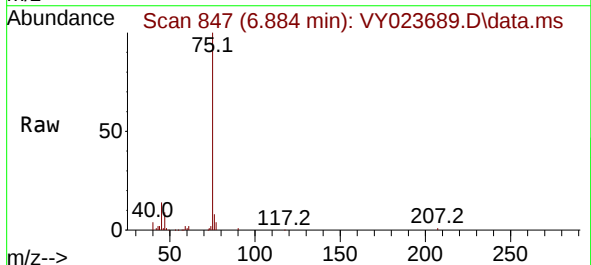
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

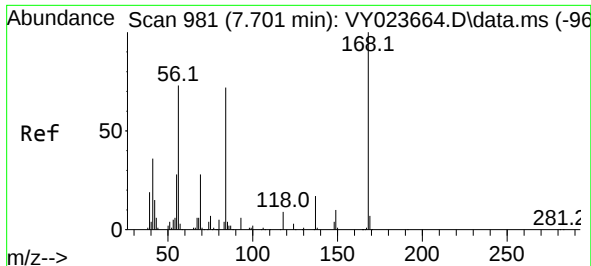
Tgt Ion:	84	Resp:	17367
Ion	Ratio	Lower	Upper
84	100		
49	104.7	81.5	122.3
51	28.6	25.5	38.3
86	60.0	51.2	76.8



#25
2-Butanone
Concen: 1.405 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion:	43	Resp:	2648
Ion	Ratio	Lower	Upper
43	100		
72	10.1	25.7	38.5

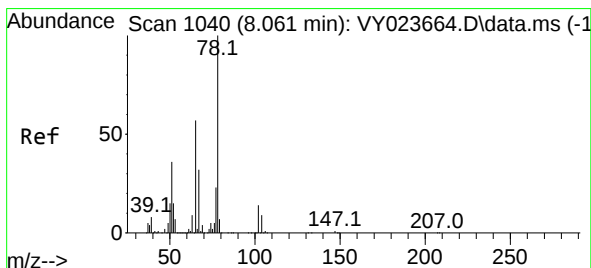
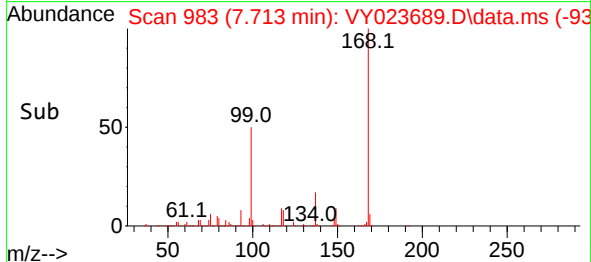
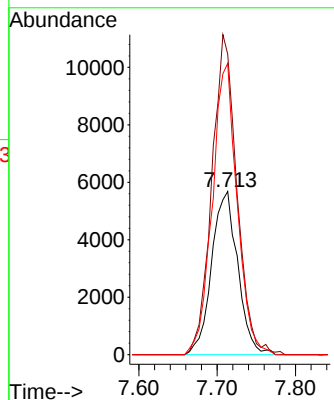
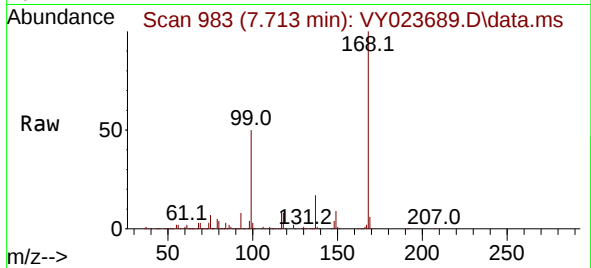




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

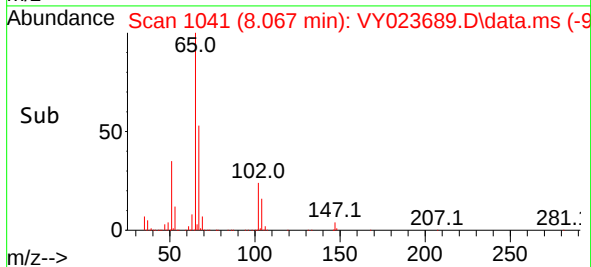
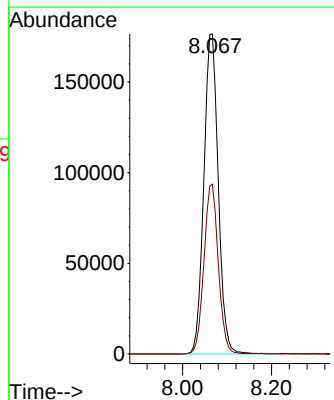
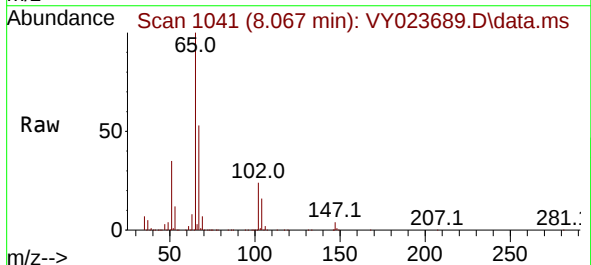
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

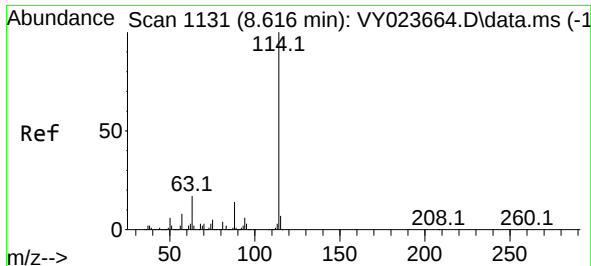
Tgt Ion: 56 Resp: 13162
Ion Ratio Lower Upper
56 100
69 184.1 30.5 45.7#
84 178.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 60.958 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion: 65 Resp: 399794
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

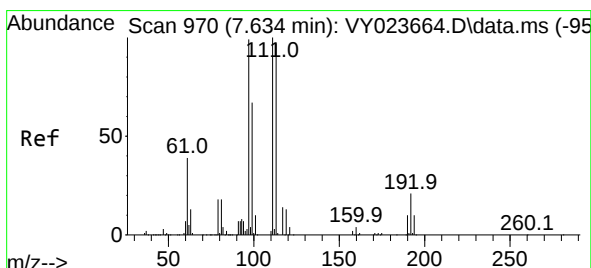
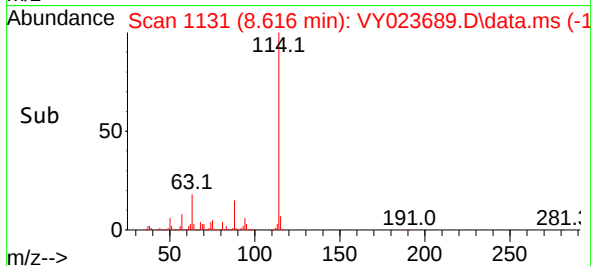
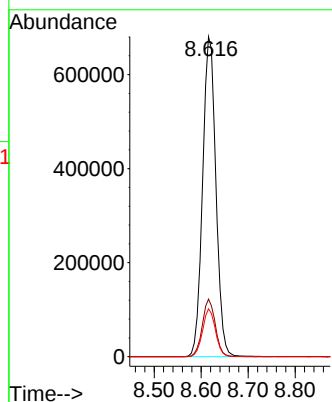
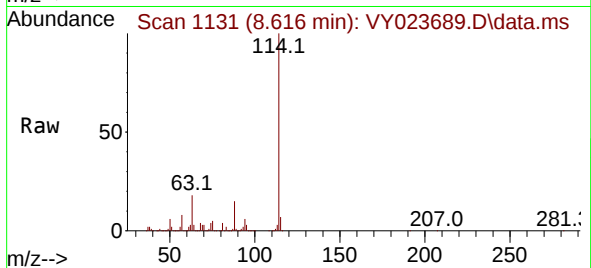
Tgt Ion:114 Resp: 1340605

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.503 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

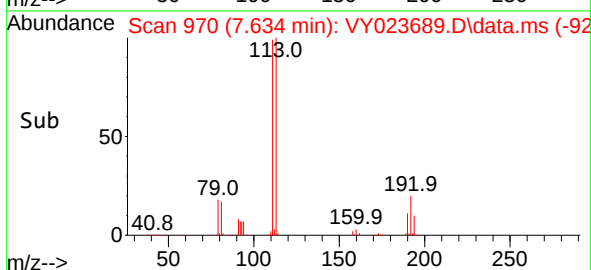
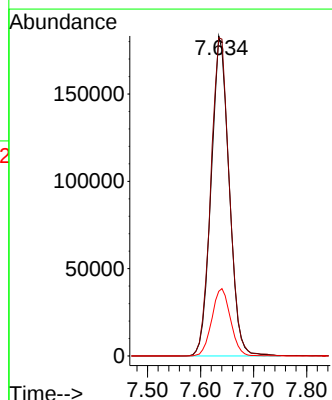
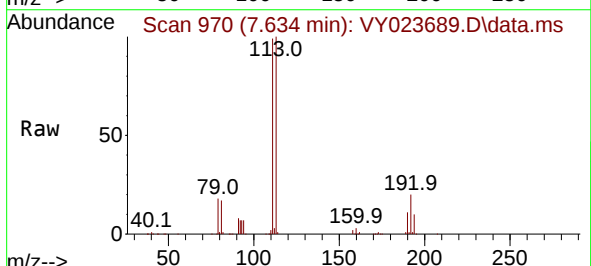
Tgt Ion:113 Resp: 431490

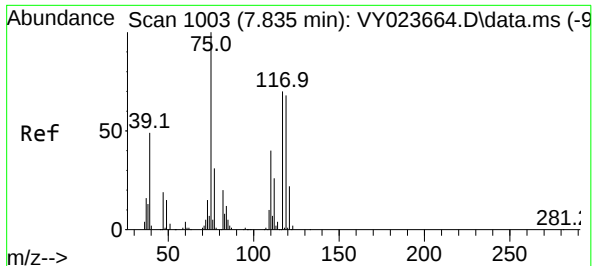
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 21.8 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.693 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

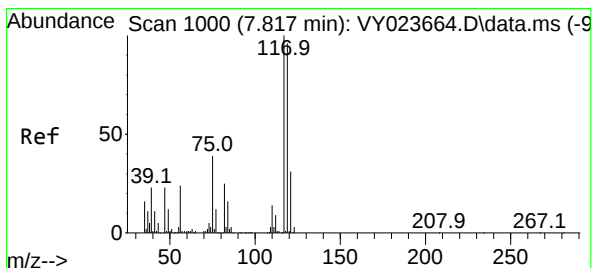
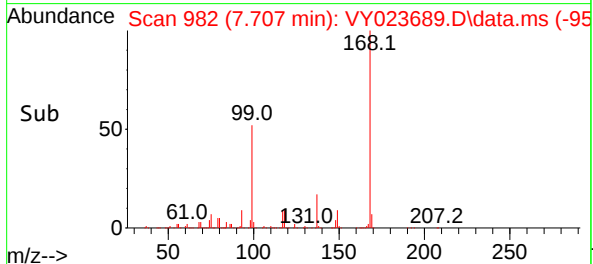
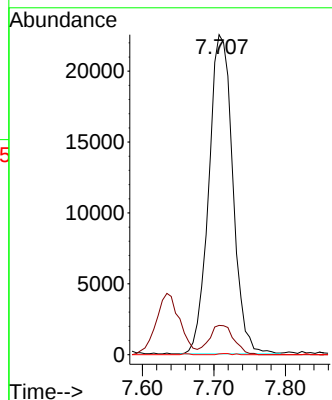
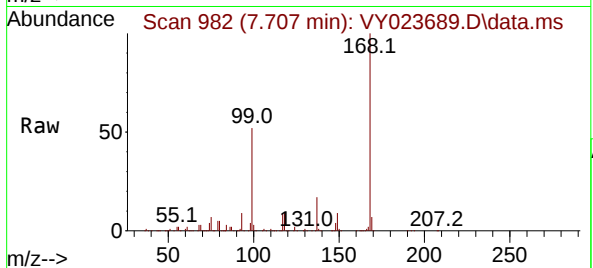
Tgt Ion: 75 Resp: 52534

Ion Ratio Lower Upper

75 100

110 9.4 19.7 59.0#

77 0.2 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.398 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

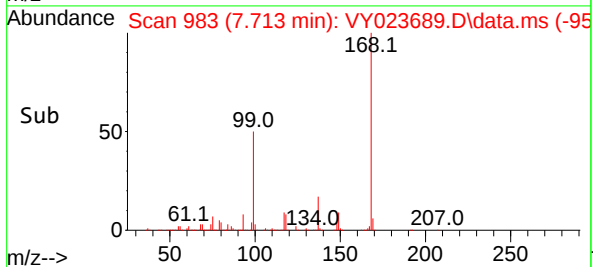
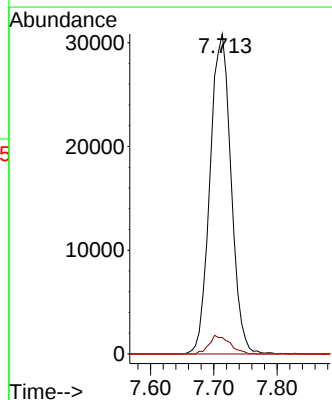
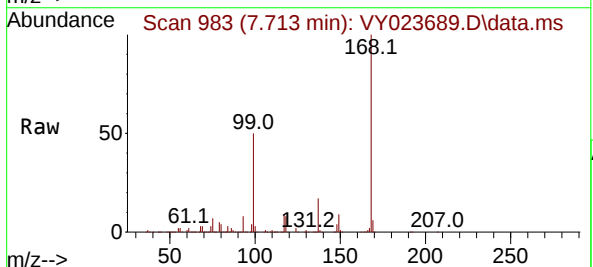
Tgt Ion: 117 Resp: 71206

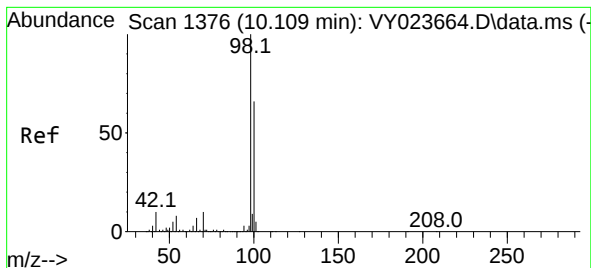
Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.830 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

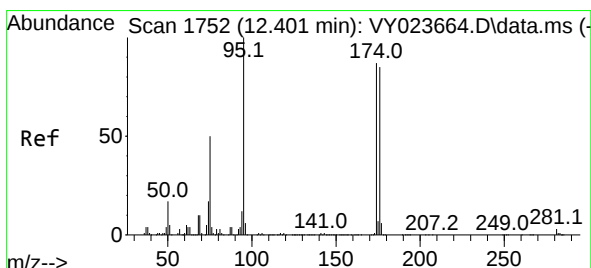
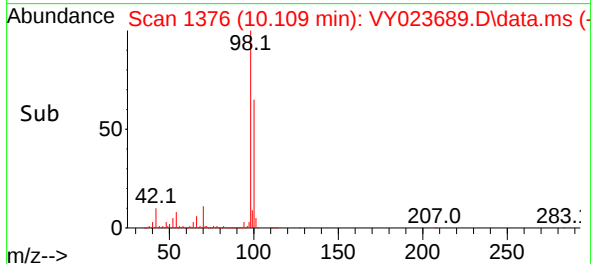
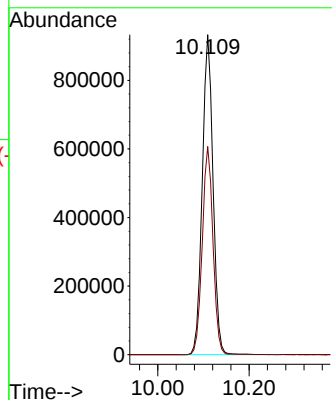
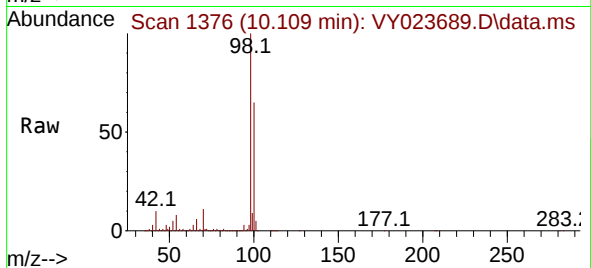
VIBLK

Tgt Ion: 98 Resp: 1523891

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.005 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023689.D

Acq: 05 Nov 2025 15:03

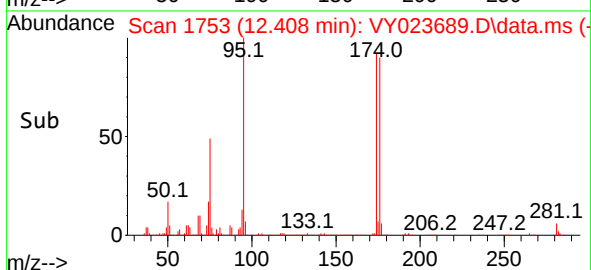
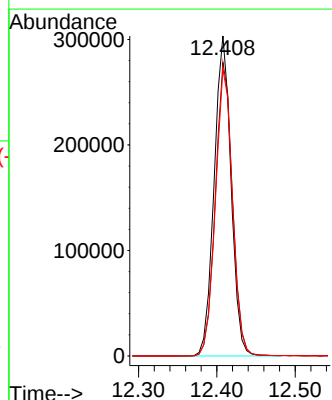
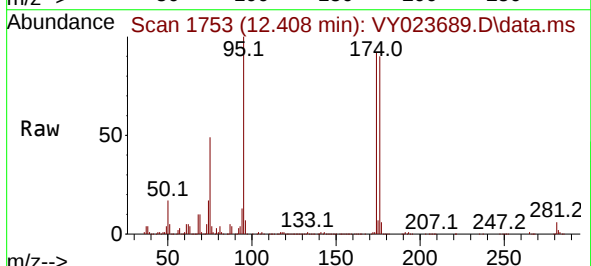
Tgt Ion: 95 Resp: 454212

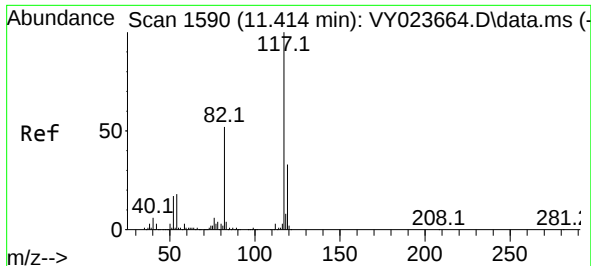
Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.8

176 90.4 0.0 181.6

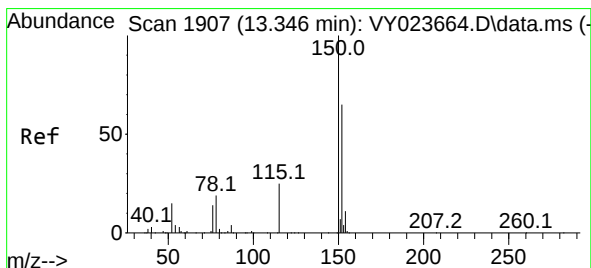
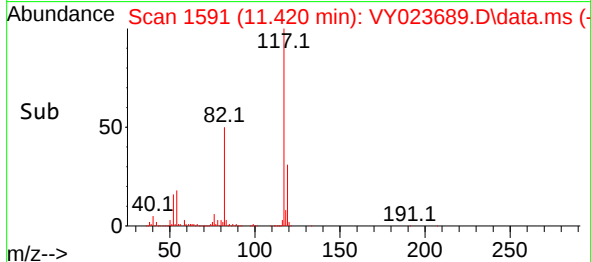
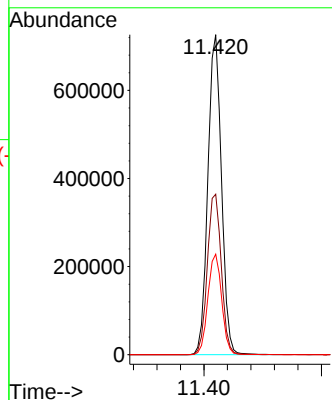
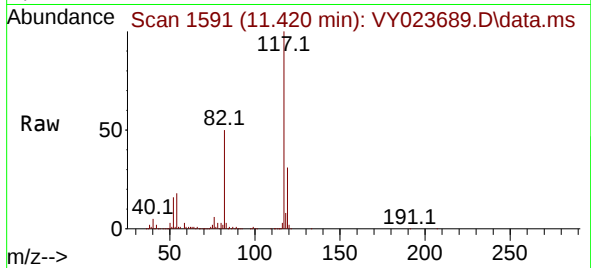




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

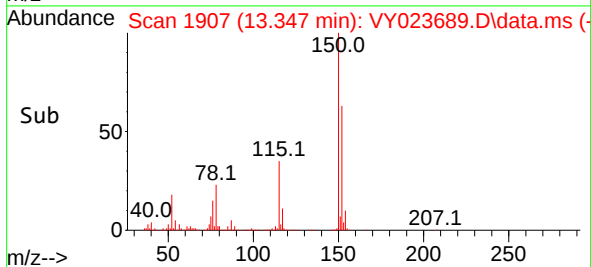
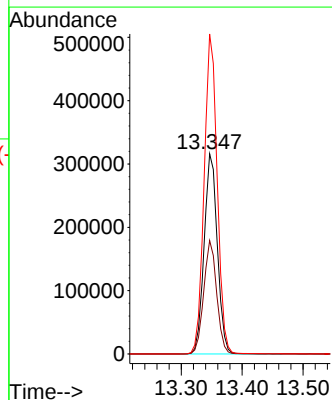
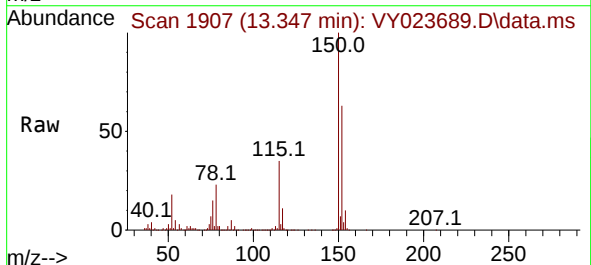
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

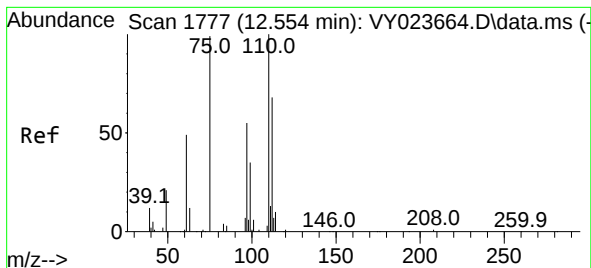
Tgt Ion:117 Resp: 1166287
Ion Ratio Lower Upper
117 100
82 50.1 41.2 61.8
119 31.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion:152 Resp: 477373
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.5
150 157.7 0.0 349.0

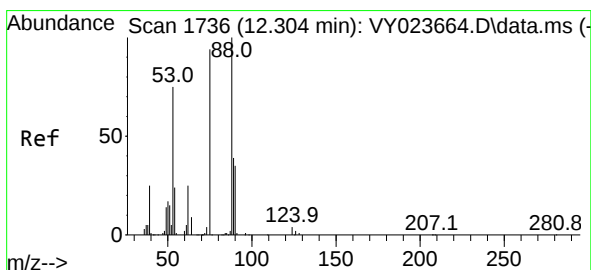
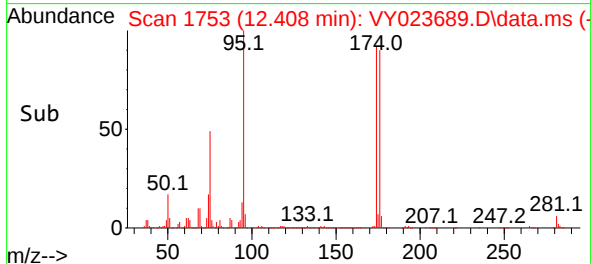
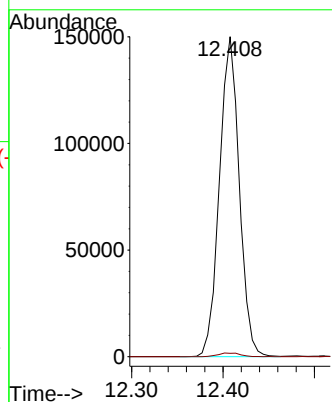
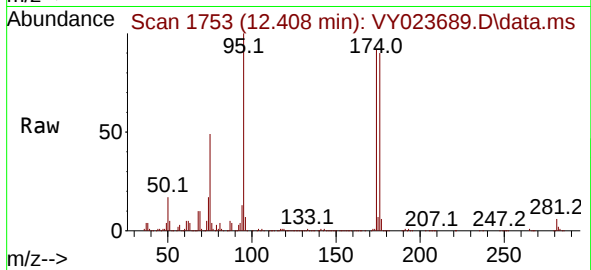




#76
1,2,3-Trichloropropane
Concen: 58.621 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

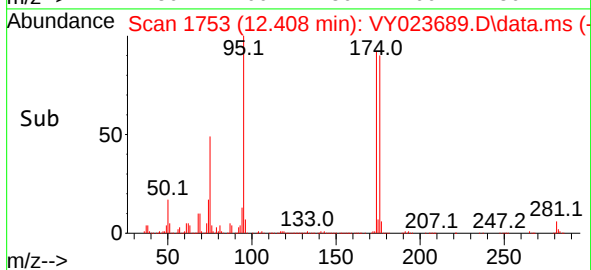
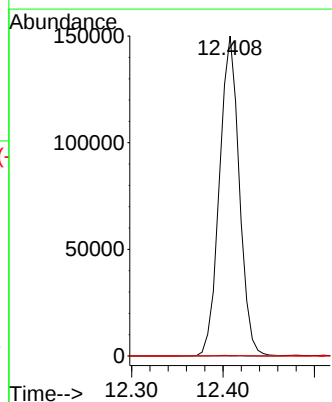
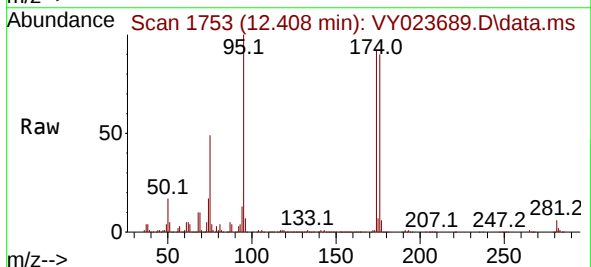
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

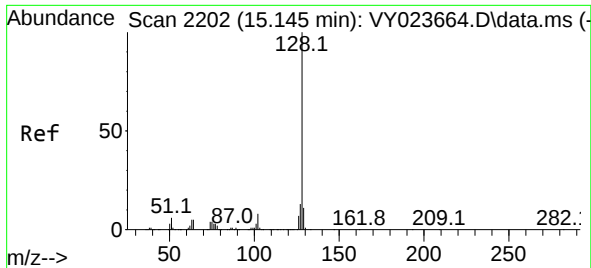
Tgt Ion: 75 Resp: 226480
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.481 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Tgt Ion: 75 Resp: 226480
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.1 38.2 57.4#





#95
Naphthalene
Concen: 5.287 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY023689.D
Acq: 05 Nov 2025 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 391
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 6.1 8.8 13.2#

