

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023701.D
 Acq On : 06 Nov 2025 15:17
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 07 04:16:46 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	737277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1285039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1073998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	419489	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	365719	58.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.300%
35) Dibromofluoromethane	7.634	113	405493	50.493	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.980%
50) Toluene-d8	10.109	98	1456079	48.675	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.408	95	408067	42.181	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.360%

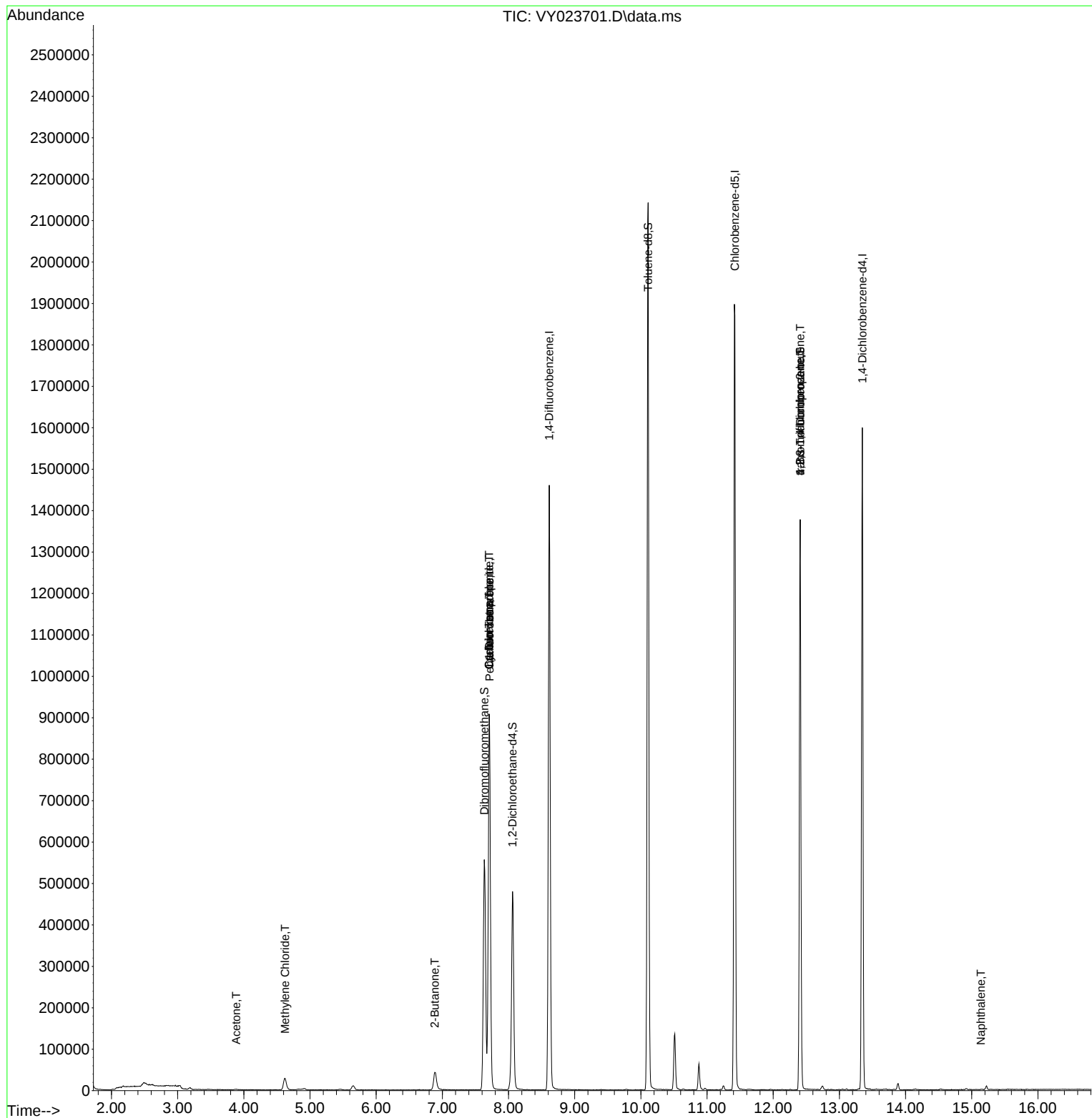
Target Compounds					Qvalue	
16) Acetone	3.885	43	2352	1.505	ug/l #	84
20) Methylene Chloride	4.622	84	23266	3.083	ug/l	91
25) 2-Butanone	6.884	43	2290	1.267	ug/l	92
31) Cyclohexane	7.707	56	13509	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	50405	4.697	ug/l #	48
38) Carbon Tetrachloride	7.707	117	67222	5.317	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	199912	58.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	199912	133.076	ug/l #	14
95) Naphthalene	15.139	128	1310	5.357	ug/l #	93

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

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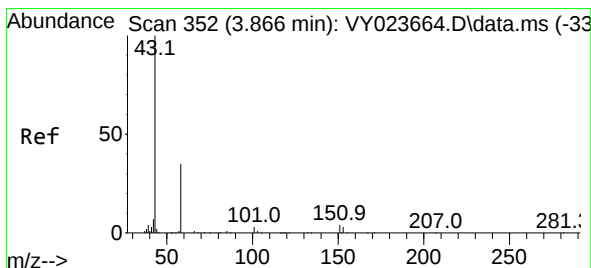
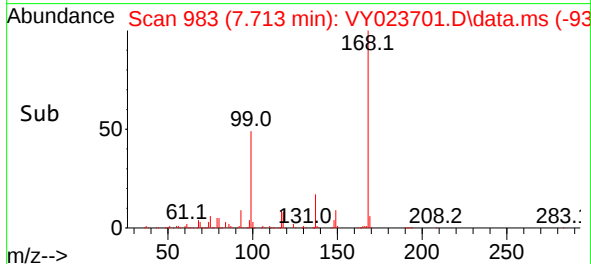
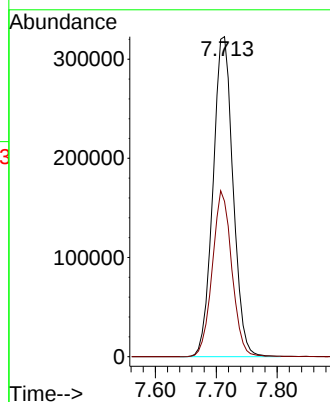
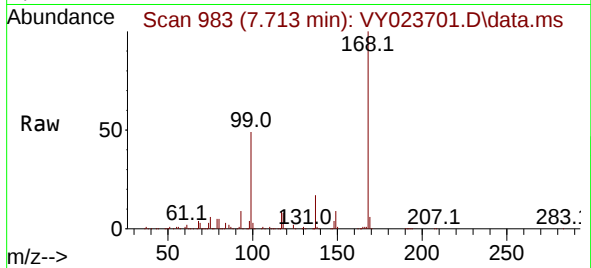




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

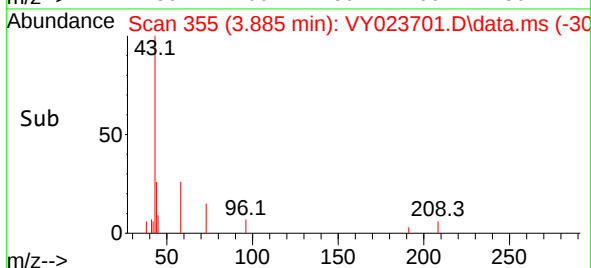
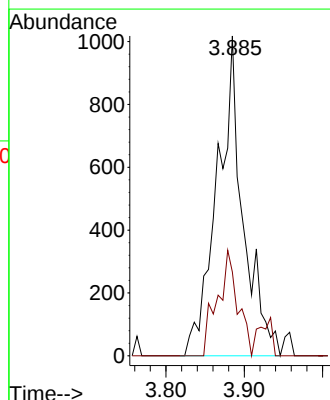
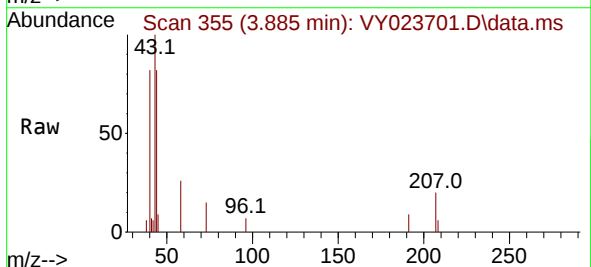
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

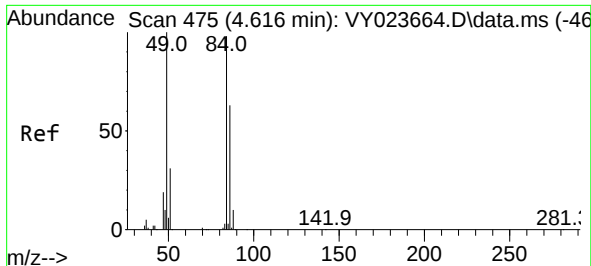
Tgt Ion:168 Resp: 737277
Ion Ratio Lower Upper
168 100
99 48.5 41.0 61.4



#16
Acetone
Concen: 1.505 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
58 26.2 28.2 42.4#

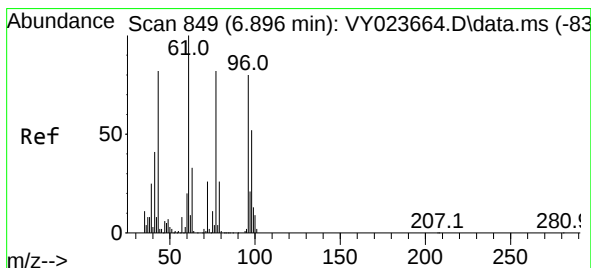
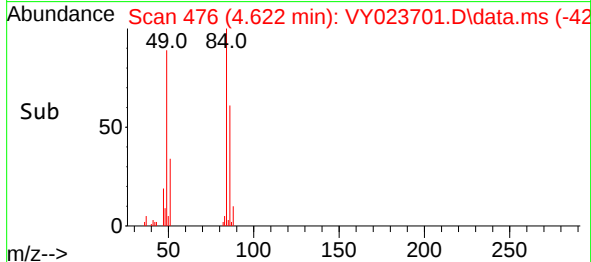
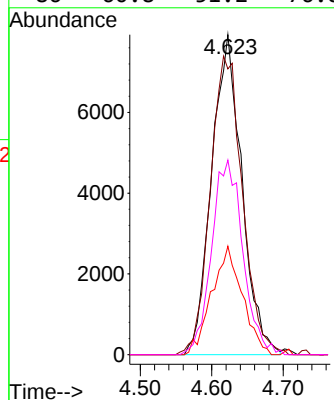
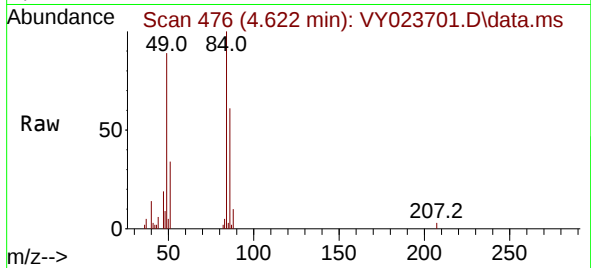




#20
Methylene Chloride
Concen: 3.083 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

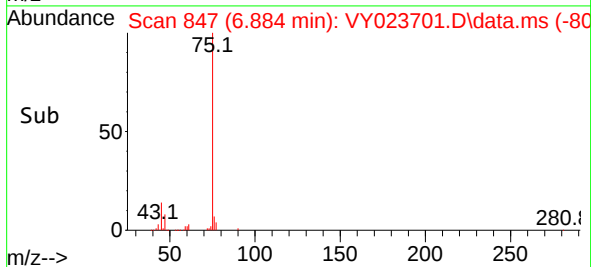
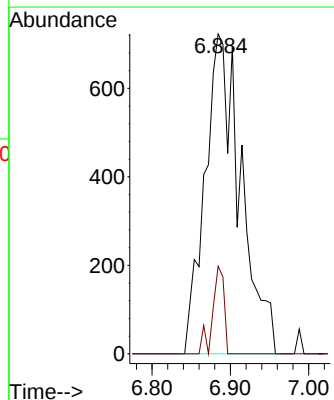
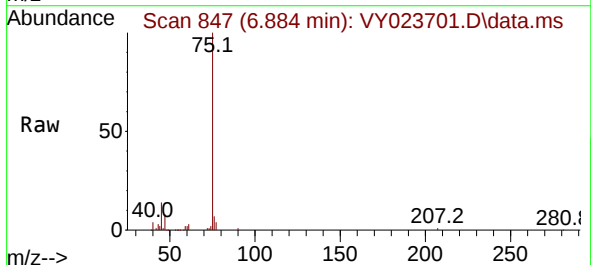
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

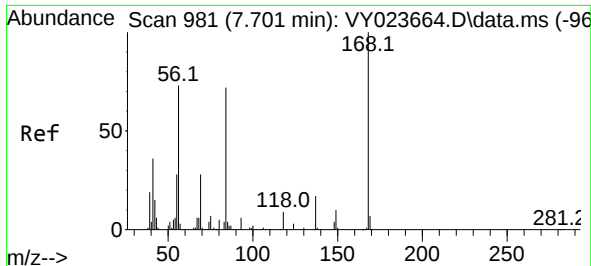
Tgt Ion:	84	Resp:	23266
Ion	Ratio	Lower	Upper
84	100		
49	88.5	81.5	122.3
51	33.9	25.5	38.3
86	60.8	51.2	76.8



#25
2-Butanone
Concen: 1.267 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

Tgt Ion:	43	Resp:	2290
Ion	Ratio	Lower	Upper
43	100		
72	27.4	25.7	38.5

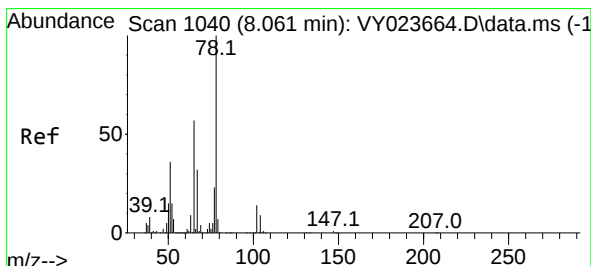
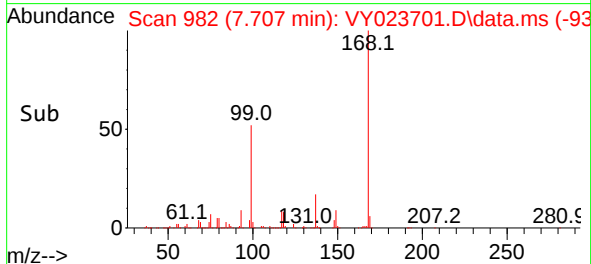
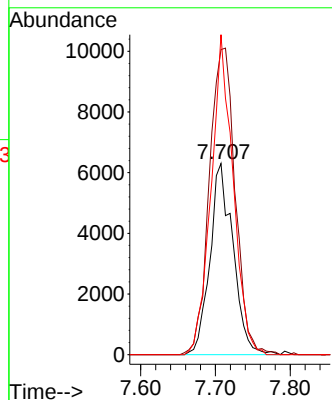
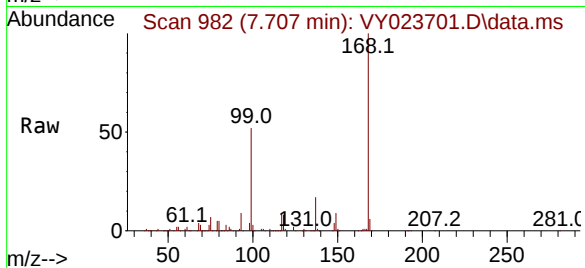




#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

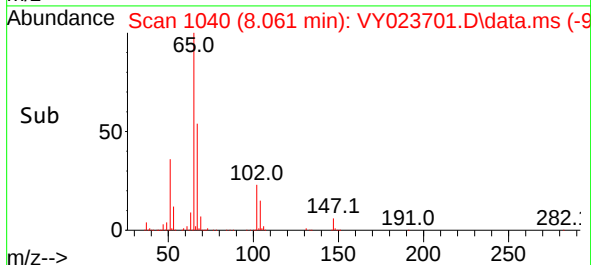
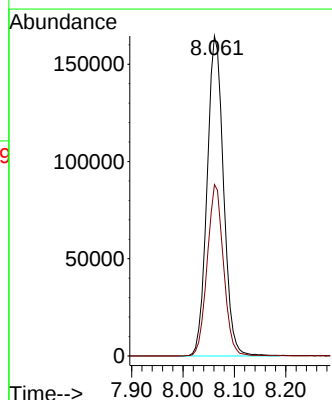
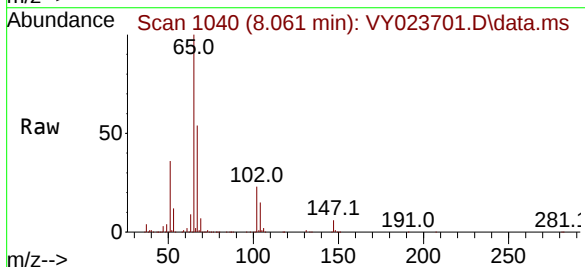
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

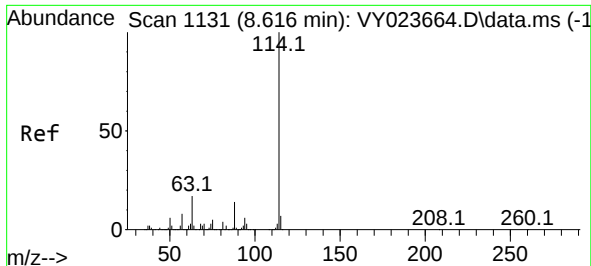
Tgt Ion: 56 Resp: 13509
Ion Ratio Lower Upper
56 100
69 159.6 30.5 45.7#
84 167.4 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 58.152 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

Tgt Ion: 65 Resp: 365719
Ion Ratio Lower Upper
65 100
67 53.2 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: VY023701.D

Acq: 06 Nov 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

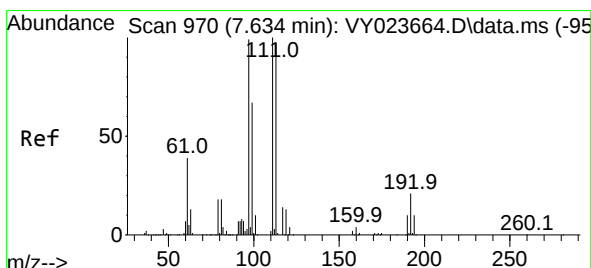
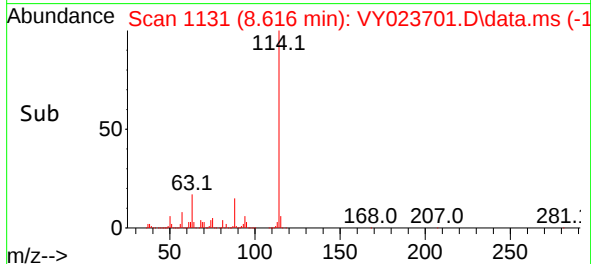
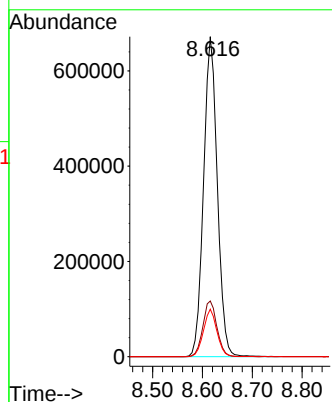
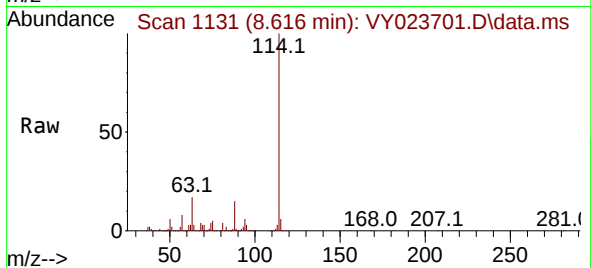
Tgt Ion:114 Resp: 1285039

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.493 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023701.D

Acq: 06 Nov 2025 15:17

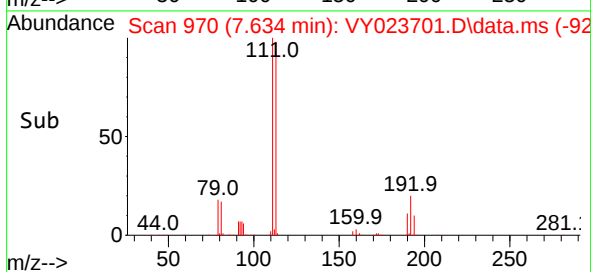
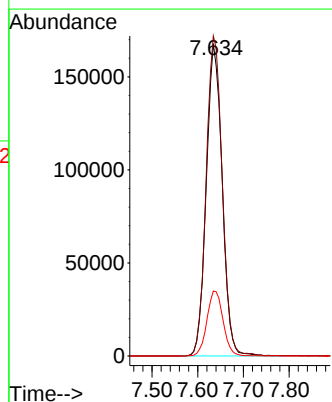
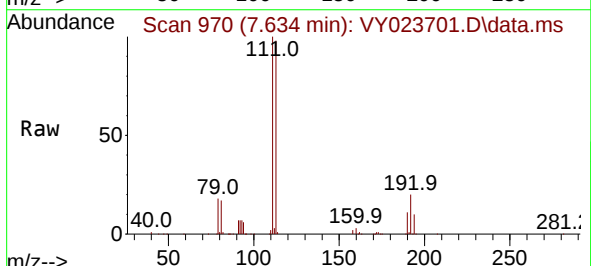
Tgt Ion:113 Resp: 405493

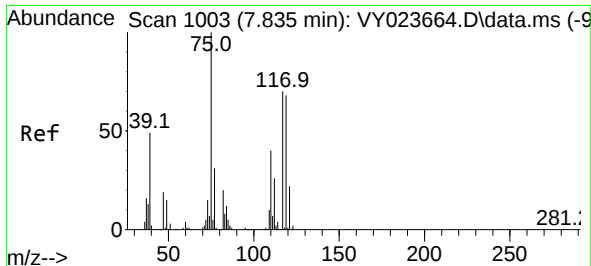
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 21.1 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.697 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023701.D

Acq: 06 Nov 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

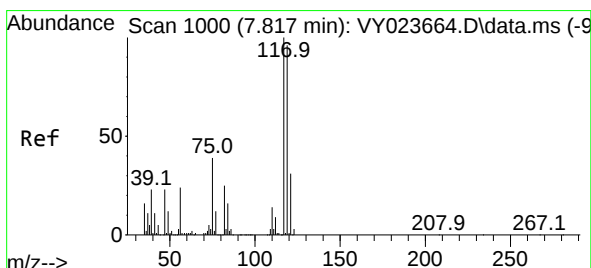
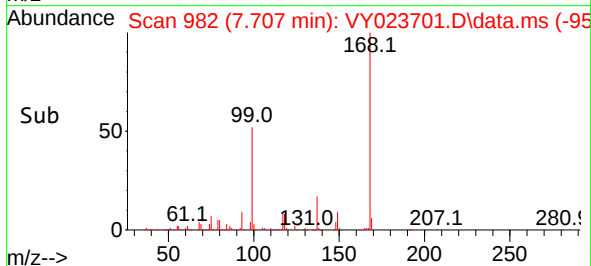
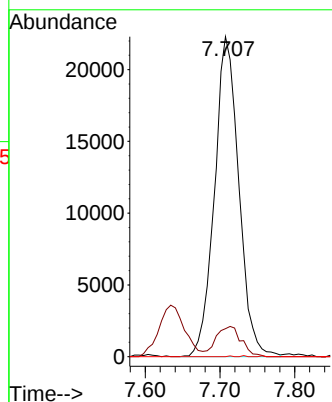
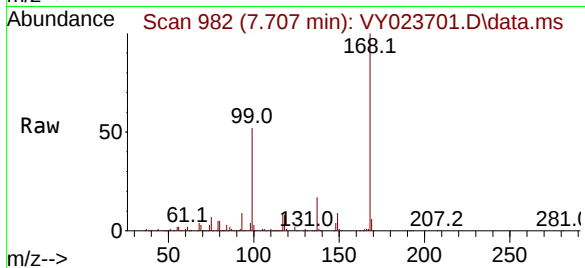
Tgt Ion: 75 Resp: 50405

Ion Ratio Lower Upper

75 100

110 9.9 19.7 59.0#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.317 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023701.D

Acq: 06 Nov 2025 15:17

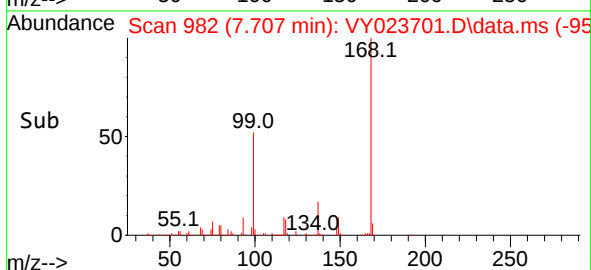
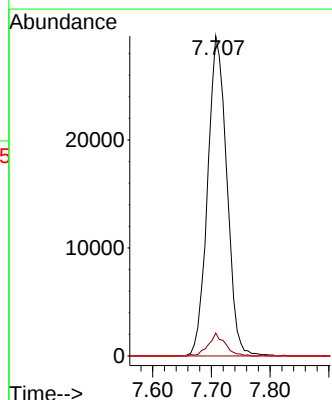
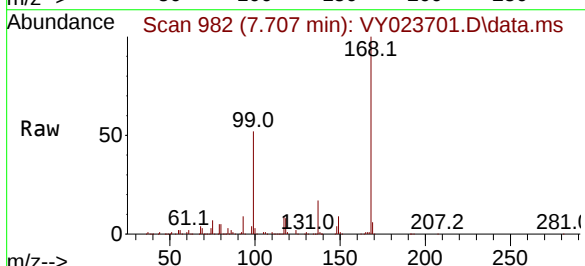
Tgt Ion: 117 Resp: 67222

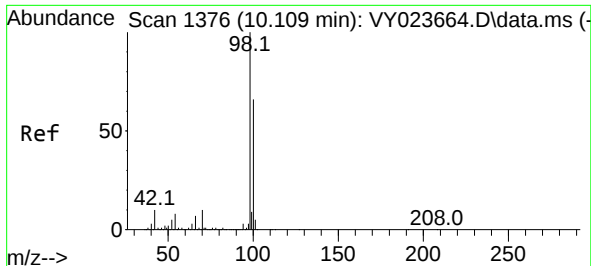
Ion Ratio Lower Upper

117 100

119 7.1 76.3 114.5#

121 0.0 24.8 37.2#

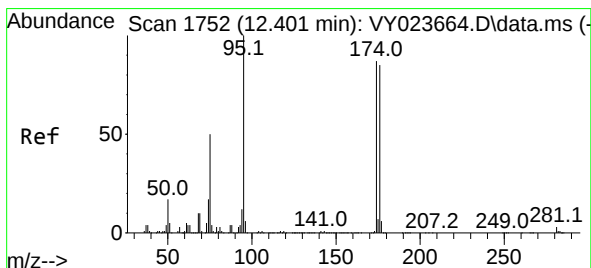
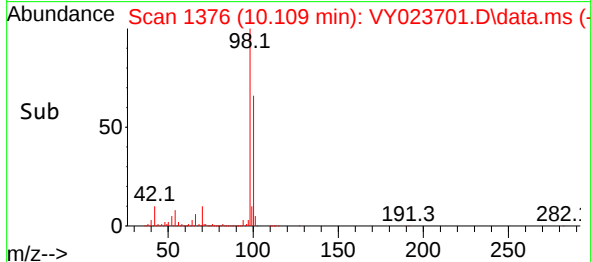
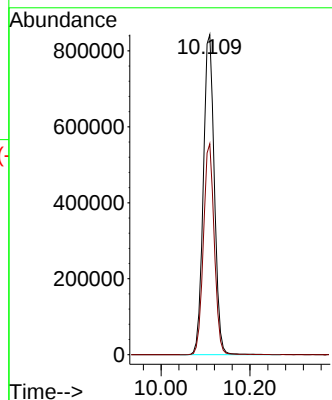
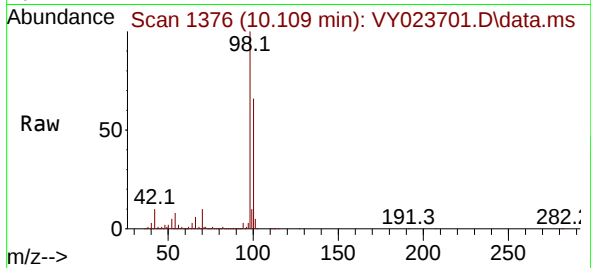




#50
Toluene-d8
Concen: 48.675 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

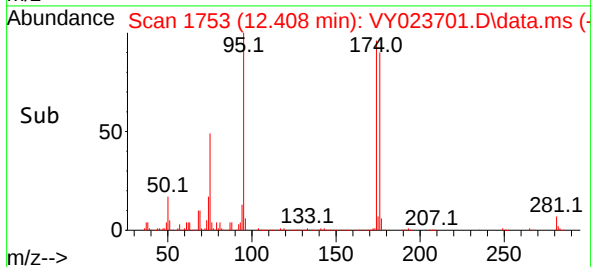
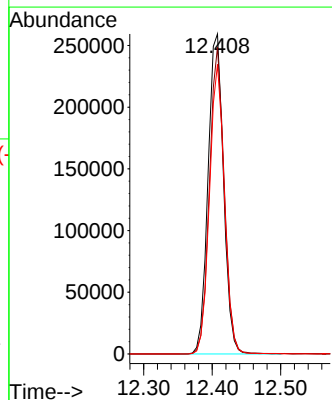
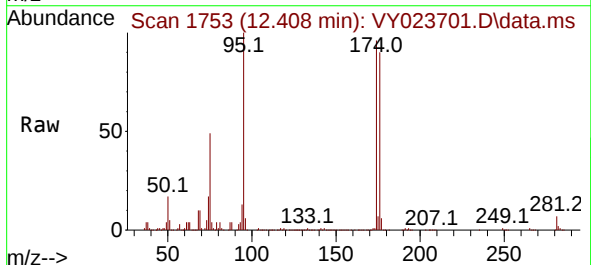
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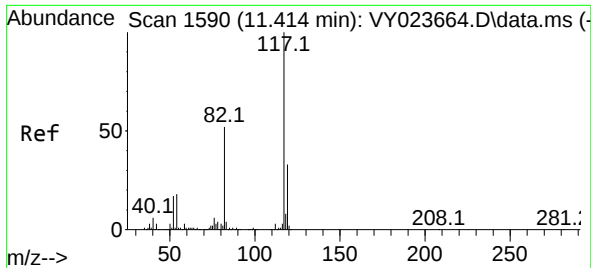
Tgt Ion: 98 Resp: 1456079
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.181 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

Tgt Ion: 95 Resp: 408067
Ion Ratio Lower Upper
95 100
174 92.4 0.0 184.8
176 87.8 0.0 181.6

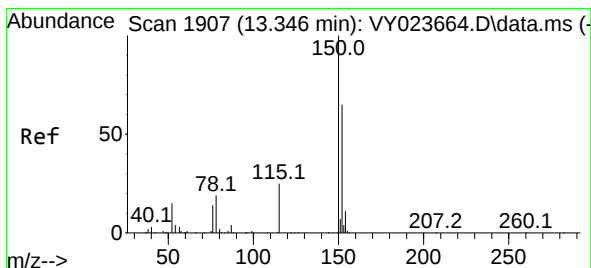
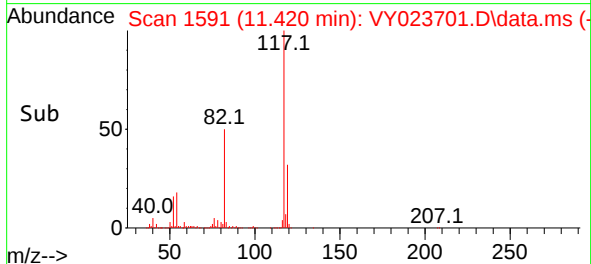
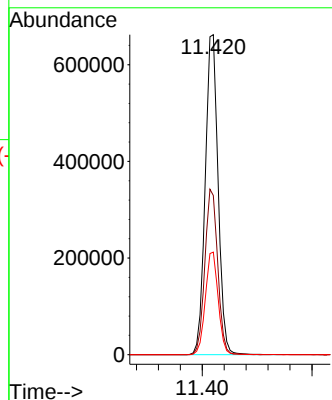
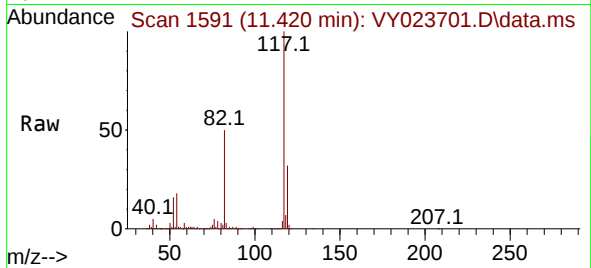




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

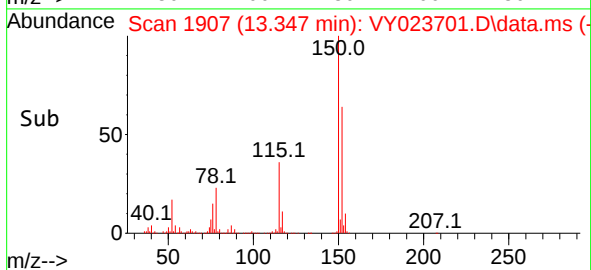
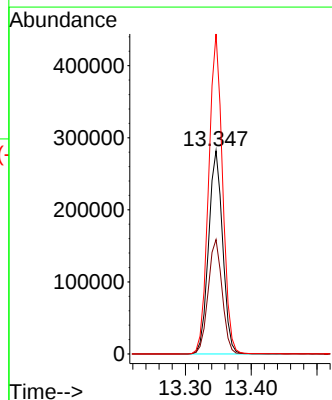
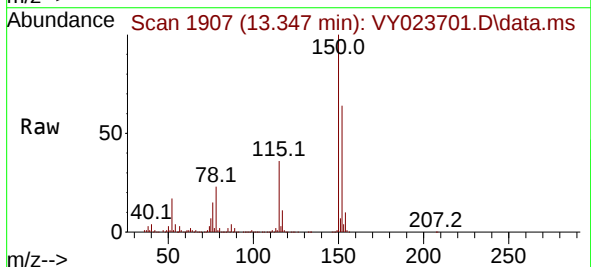
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

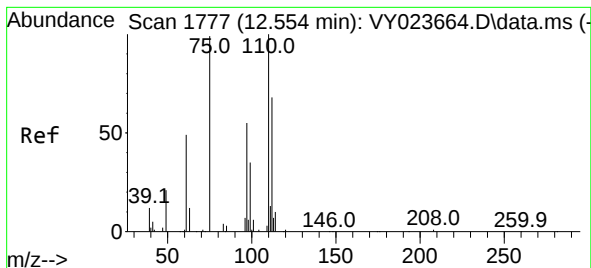
Tgt Ion:117 Resp: 1073998
Ion Ratio Lower Upper
117 100
82 49.8 41.2 61.8
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

Tgt Ion:152 Resp: 419489
Ion Ratio Lower Upper
152 100
115 56.2 27.5 82.5
150 155.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.885 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.146 min

Lab File: VY023701.D

Acq: 06 Nov 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

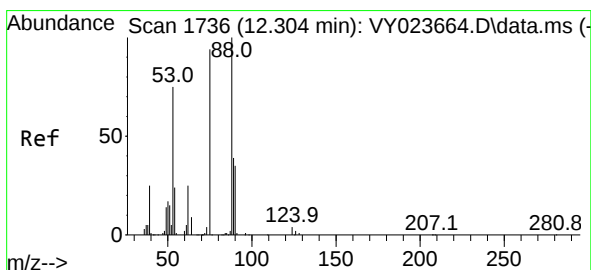
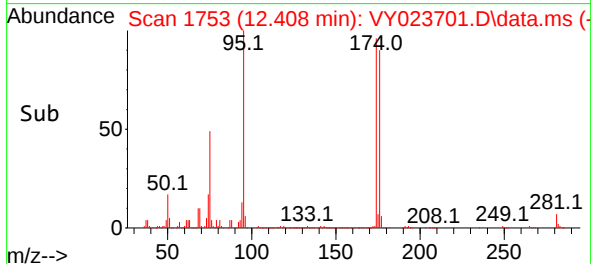
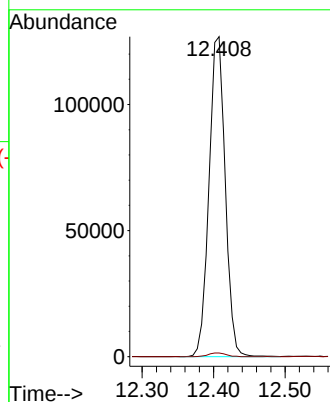
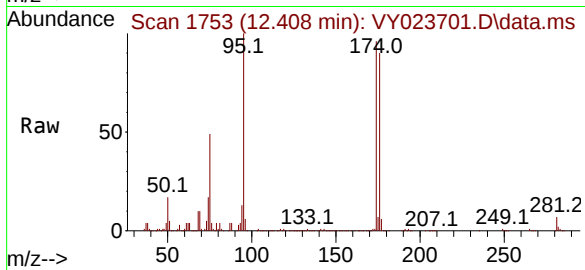
VIBLK

Tgt Ion: 75 Resp: 199912

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.076 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY023701.D

Acq: 06 Nov 2025 15:17

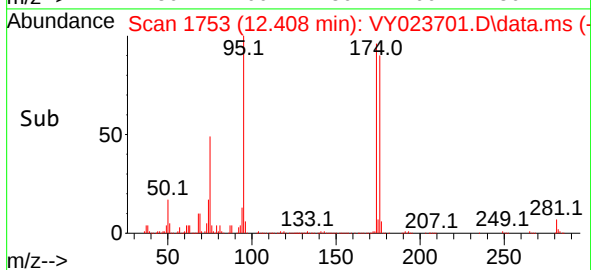
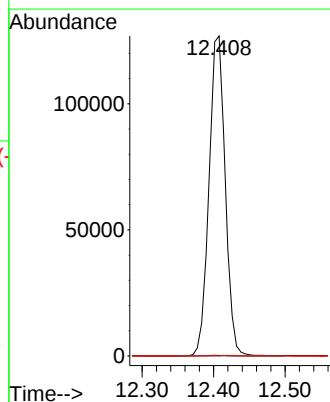
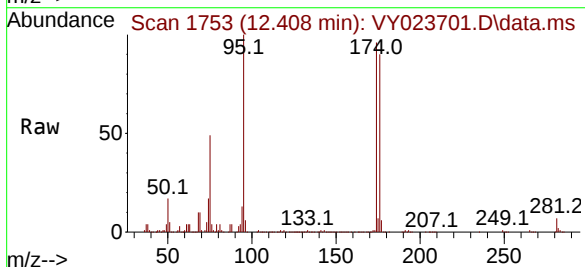
Tgt Ion: 75 Resp: 199912

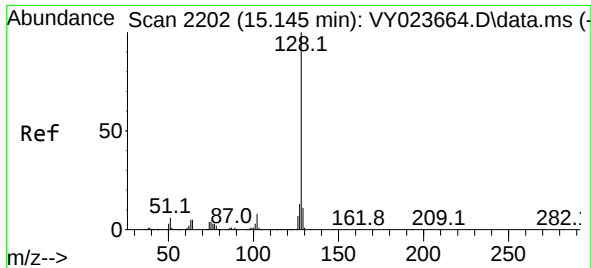
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

89 0.1 38.2 57.4#





#95
Naphthalene
Concen: 5.357 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY023701.D
Acq: 06 Nov 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 1310
Ion Ratio Lower Upper
128 100
127 14.9 10.5 15.7
129 7.2 8.8 13.2#

