

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021982.D
 Acq On : 23 Apr 2025 19:21
 Operator : SY/MD
 Sample : Q1859-02
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Apr 24 03:48:12 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	298943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	576008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215851	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163840	59.335	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.660%
35) Dibromofluoromethane	7.634	113	197135	51.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.600%
50) Toluene-d8	10.103	98	700579	48.833	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.401	95	208937	43.262	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.520%

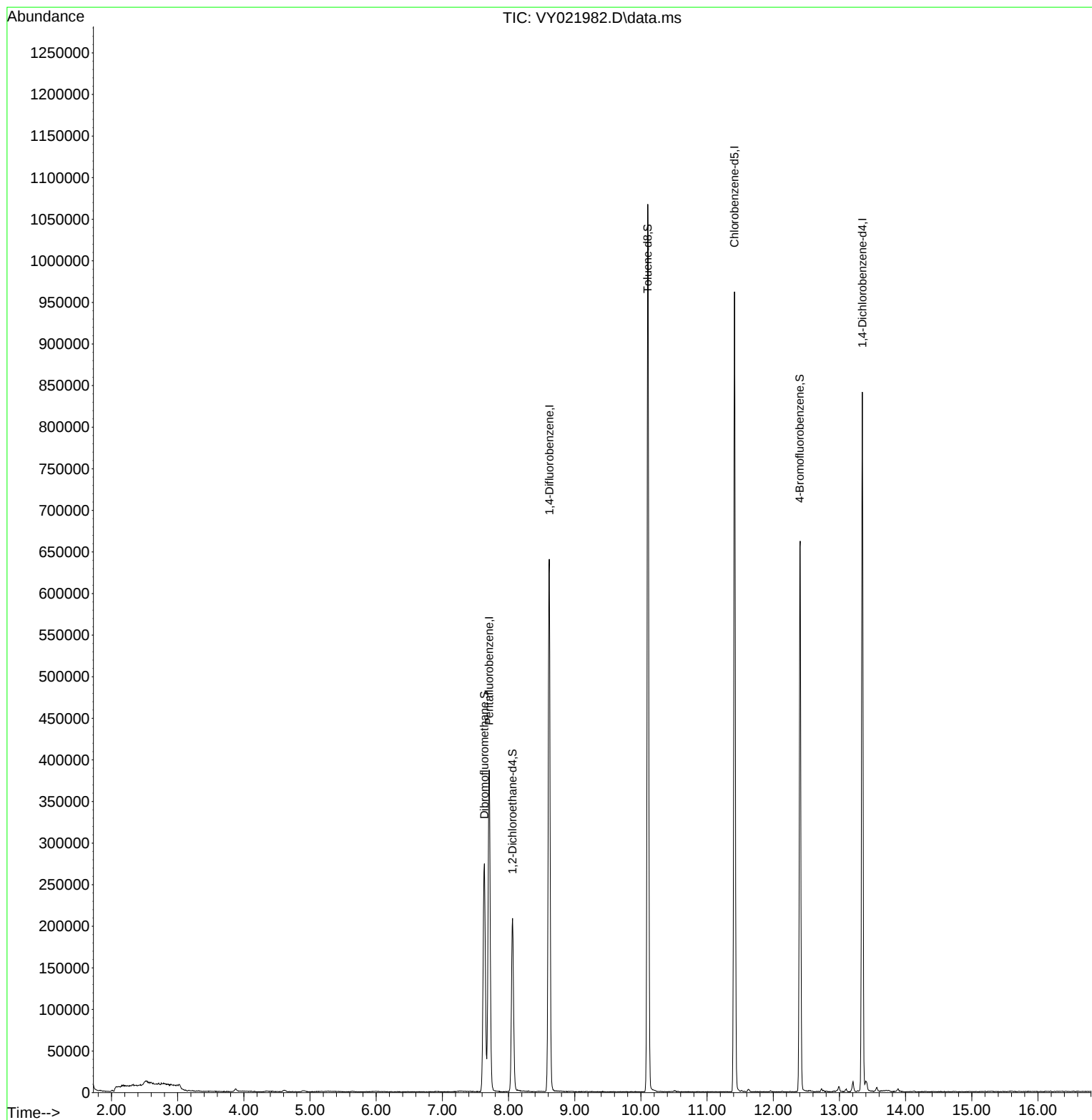
Target Compounds	Qvalue

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

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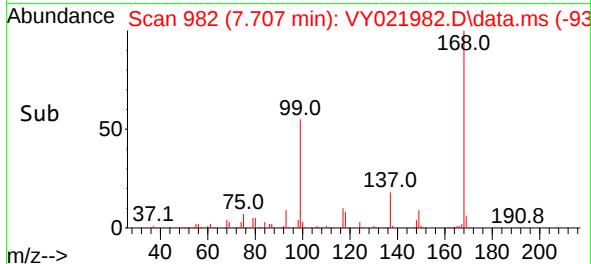
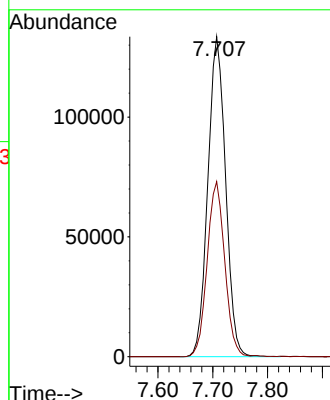
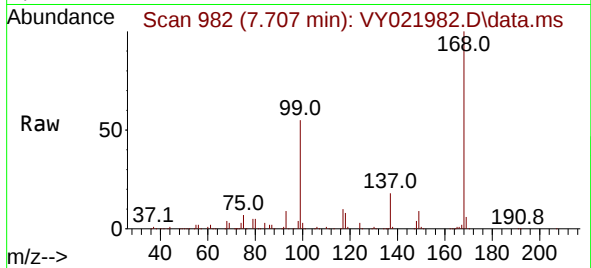




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

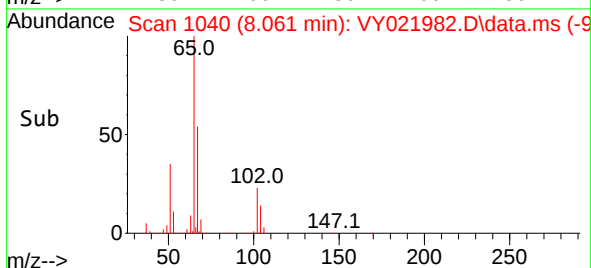
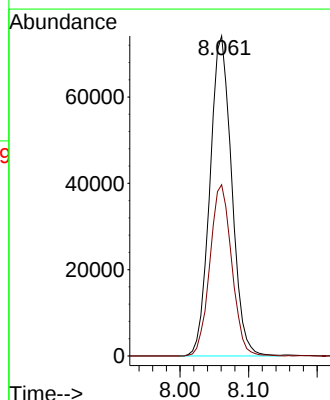
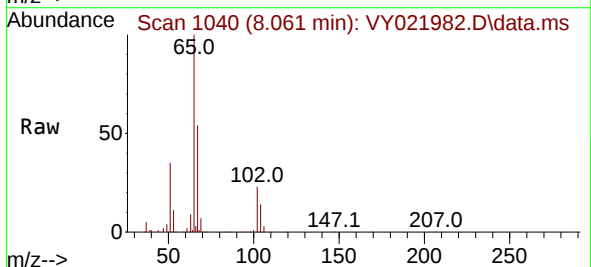
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:168 Resp: 298943
Ion Ratio Lower Upper
168 100
99 54.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 59.335 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Tgt Ion: 65 Resp: 163840
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

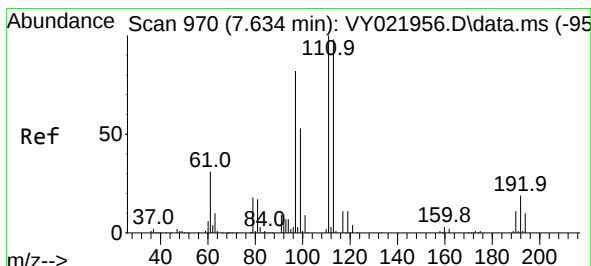
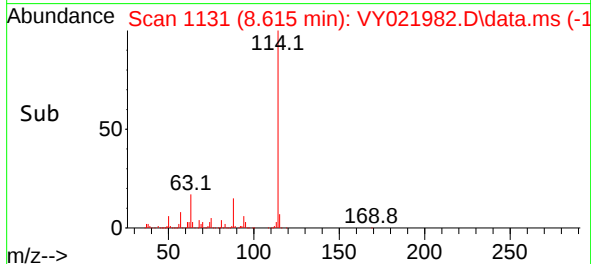
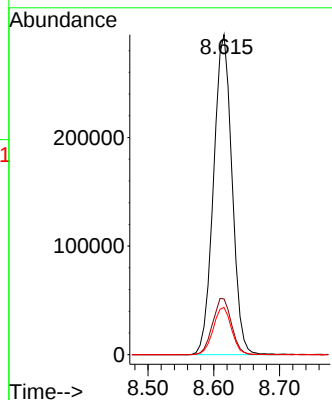
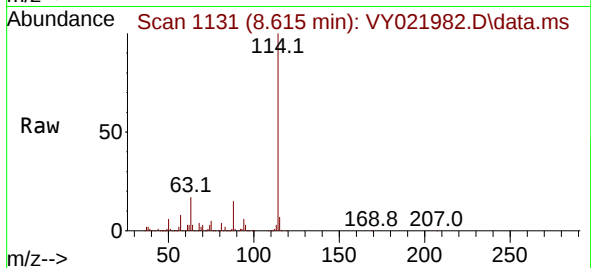
Tgt Ion:114 Resp: 576008

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.804 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

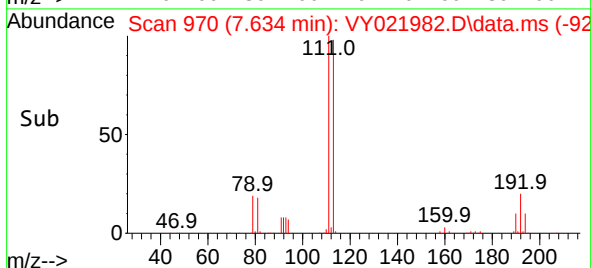
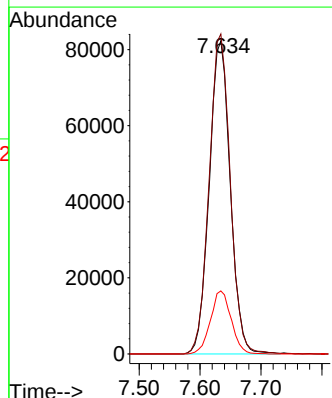
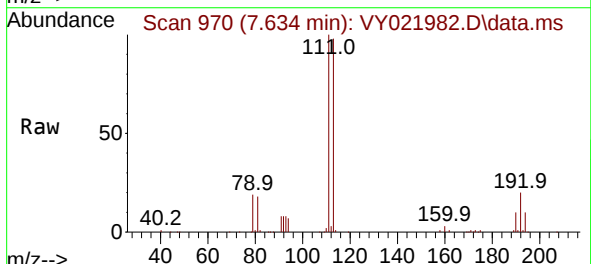
Tgt Ion:113 Resp: 197135

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 19.9 15.6 23.4

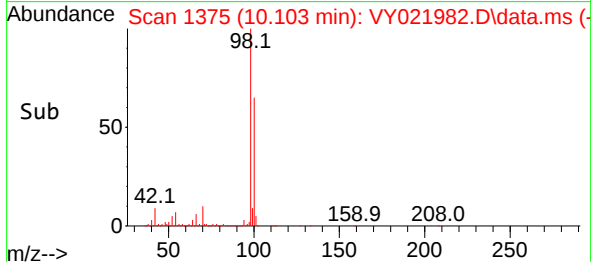
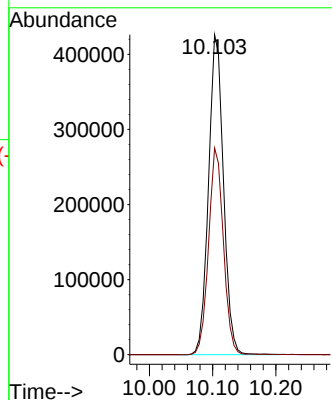
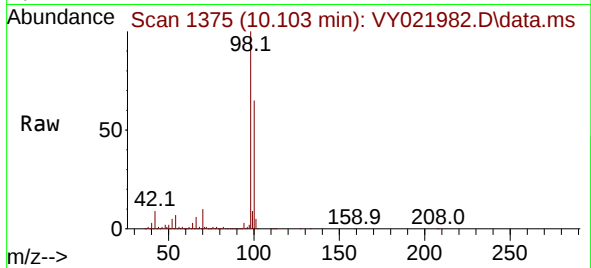




#50
Toluene-d8
Concen: 48.833 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

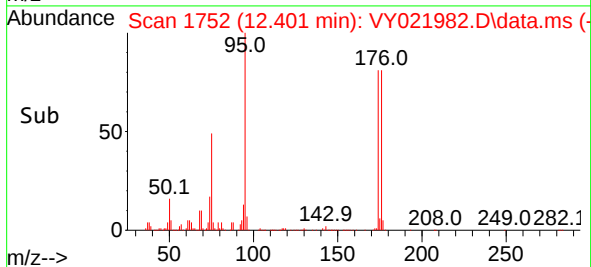
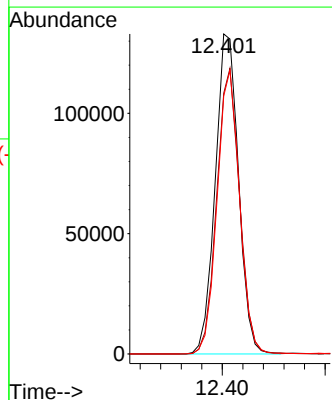
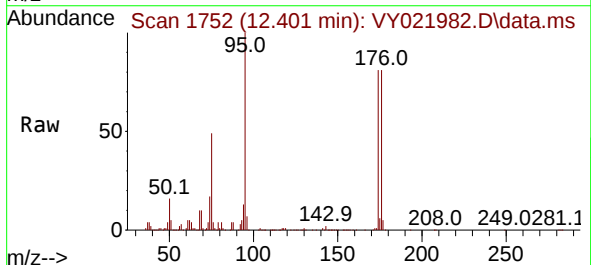
Instrument :
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COMP-2

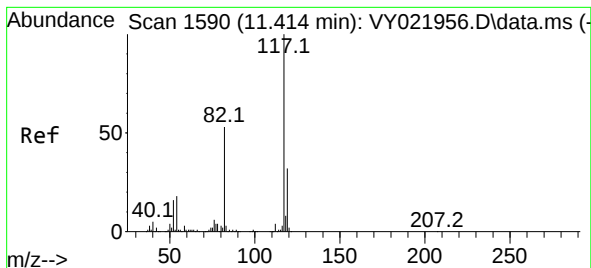
Tgt Ion: 98 Resp: 700579
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.262 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Tgt Ion: 95 Resp: 208937
Ion Ratio Lower Upper
95 100
174 87.2 0.0 179.0
176 85.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

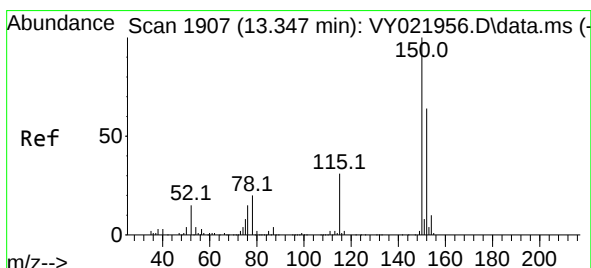
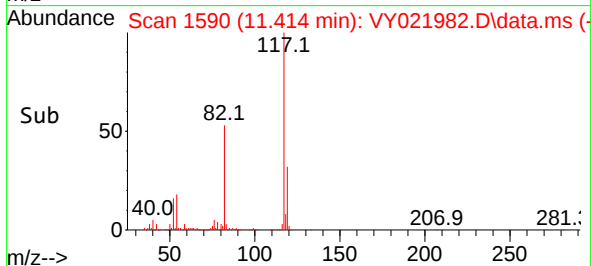
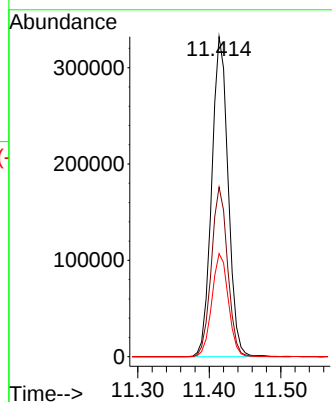
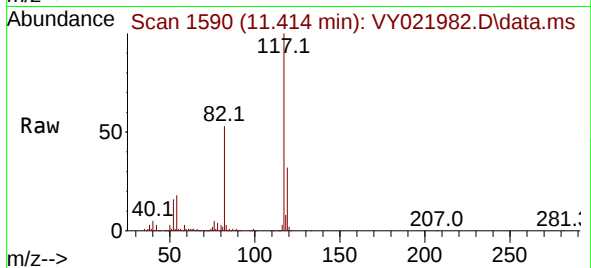
Tgt Ion:117 Resp: 529750

Ion Ratio Lower Upper

117 100

82 53.0 42.1 63.1

119 32.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

Tgt Ion:152 Resp: 215851

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 157.6 0.0 345.6

