

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023595.D
 Acq On : 27 Oct 2025 15:24
 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: Oct 28 04:39:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

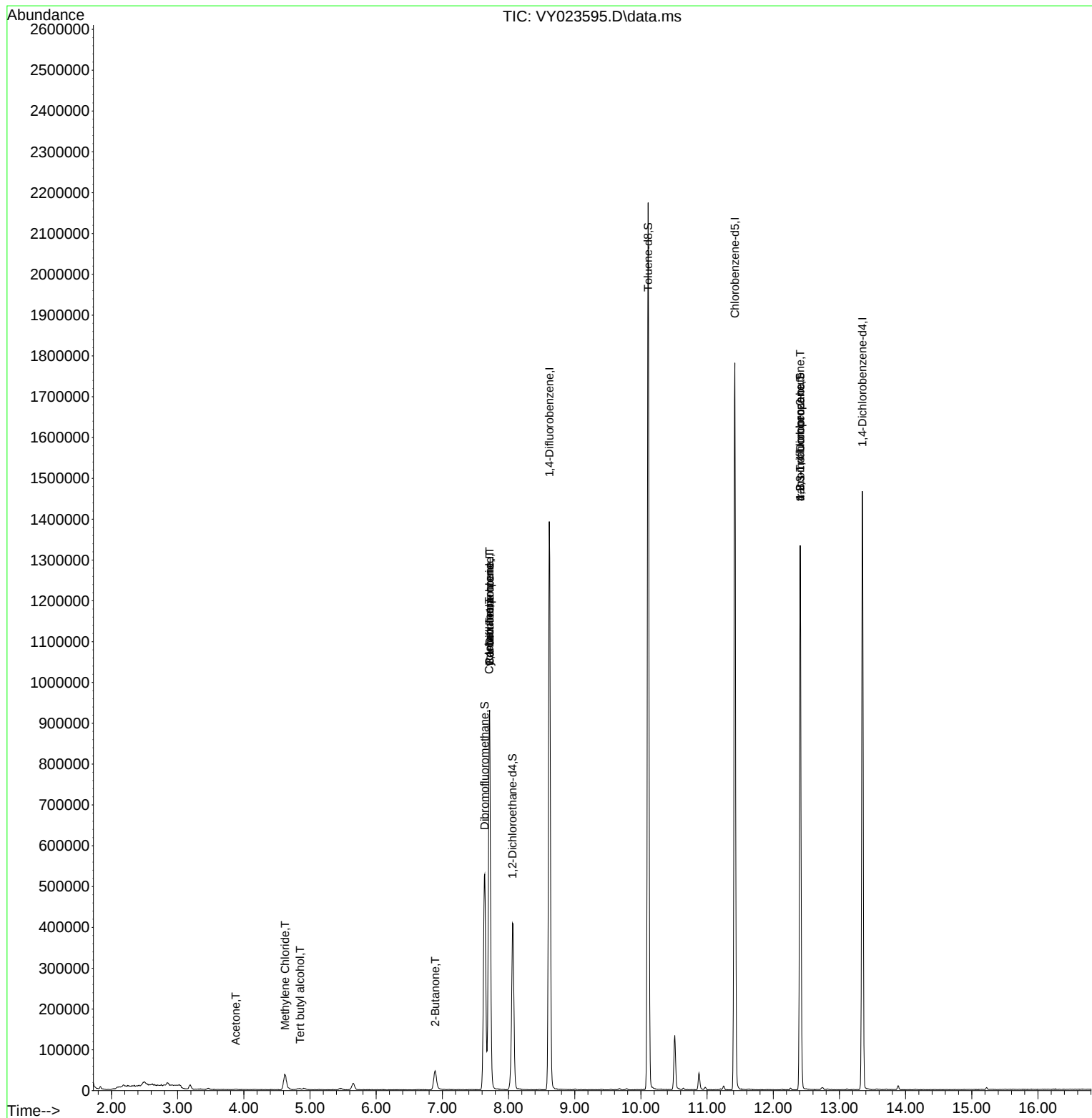
Internal Standards						
1) Pentafluorobenzene	7.713	168	779237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1283589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1025604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	398294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311136	47.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.500%
35) Dibromofluoromethane	7.640	113	387326	49.109	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.109	98	1408522	47.954	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.900%
62) 4-Bromofluorobenzene	12.407	95	370498	38.207	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	1953	4.029	ug/l #	72
16) Acetone	3.879	43	1753	1.130	ug/l	98
20) Methylene Chloride	4.622	84	30494	3.635	ug/l	96
25) 2-Butanone	6.890	43	2606	1.376	ug/l #	85
31) Cyclohexane	7.707	56	12853	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50285	4.816	ug/l #	47
38) Carbon Tetrachloride	7.713	117	69773	5.511	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	181781	51.730	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	181781	126.852	ug/l #	15

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

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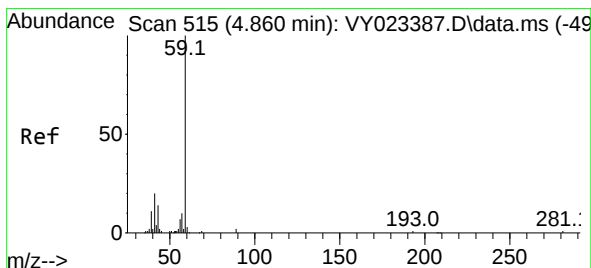
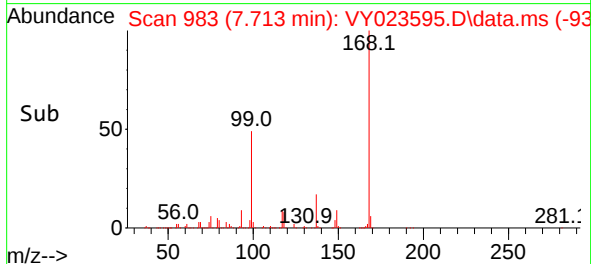
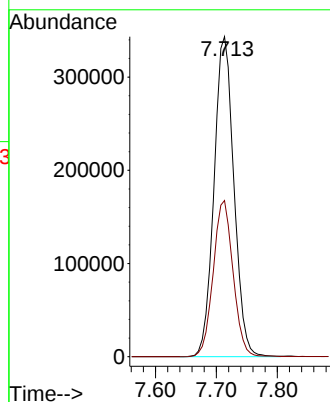
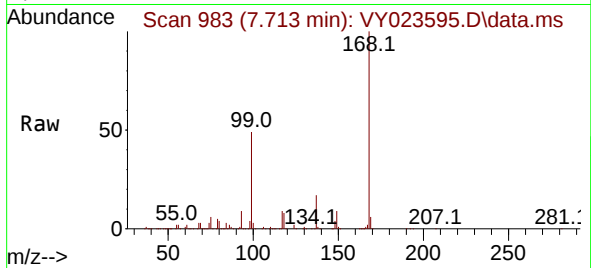




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

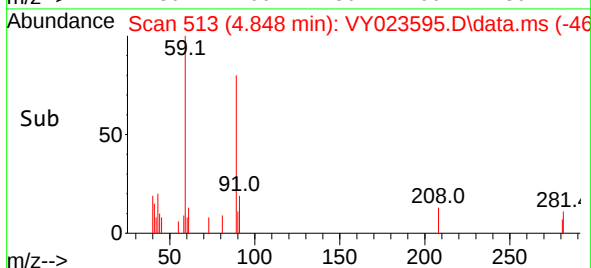
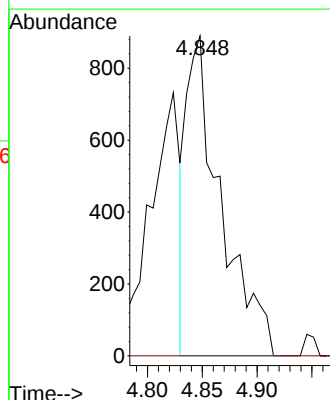
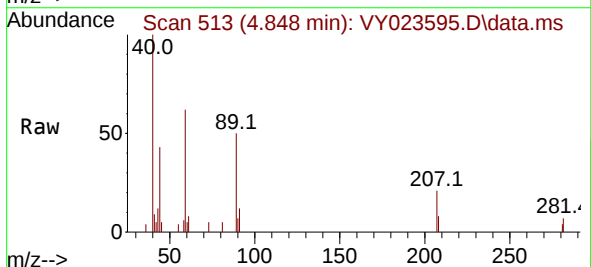
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

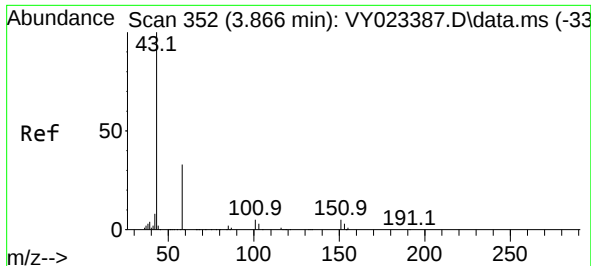
Tgt Ion:168 Resp: 779237
Ion Ratio Lower Upper
168 100
99 48.8 39.7 59.5



#11
Tert butyl alcohol
Concen: 4.029 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 59 Resp: 1953
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

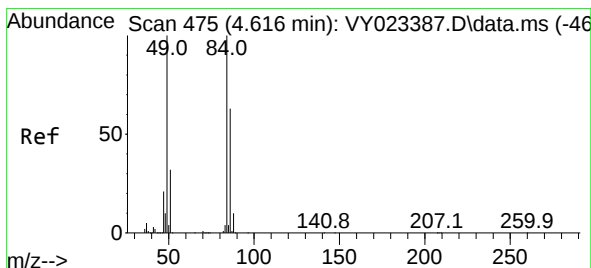
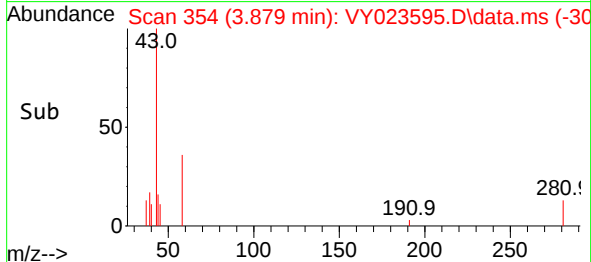
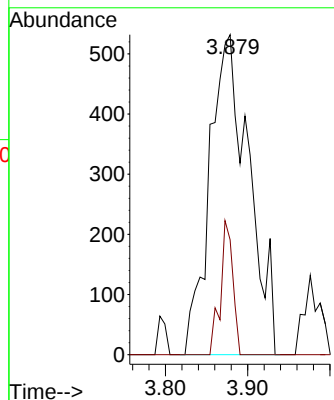
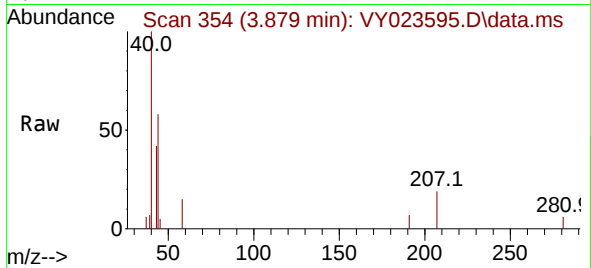




#16
Acetone
Concen: 1.130 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

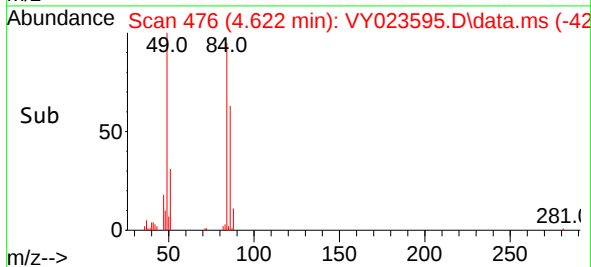
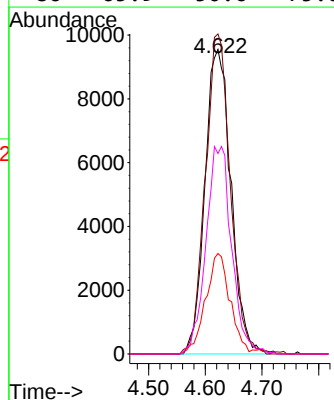
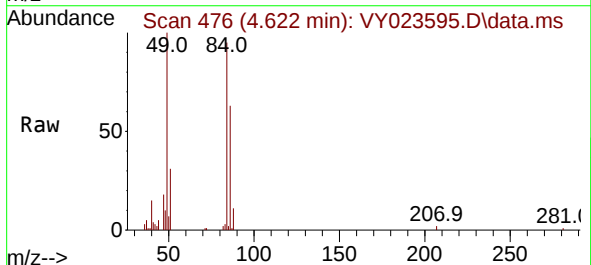
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

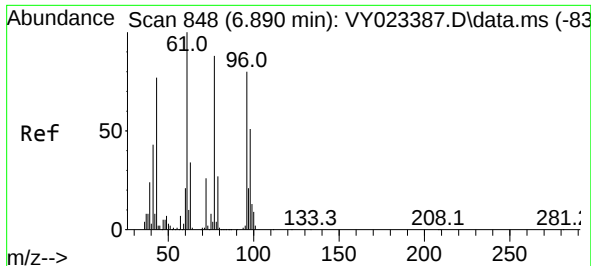
Tgt Ion: 43 Resp: 1753
Ion Ratio Lower Upper
43 100
58 35.9 27.7 41.5



#20
Methylene Chloride
Concen: 3.635 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 84 Resp: 30494
Ion Ratio Lower Upper
84 100
49 105.1 80.2 120.4
51 33.0 25.9 38.9
86 65.9 50.6 75.8

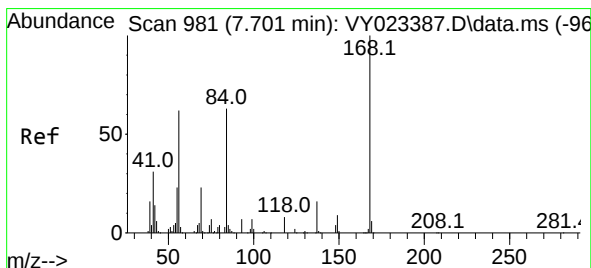
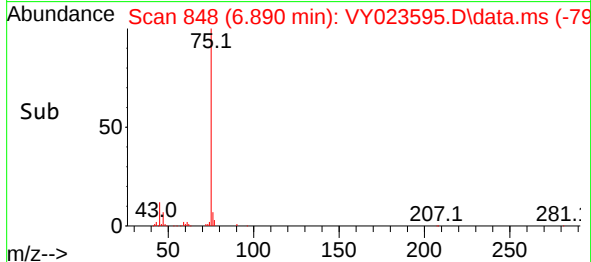
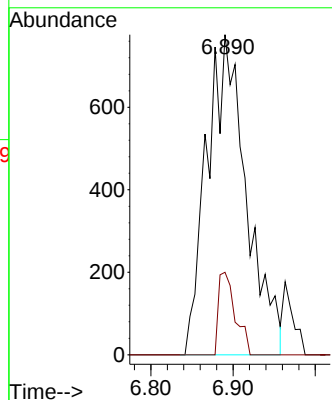
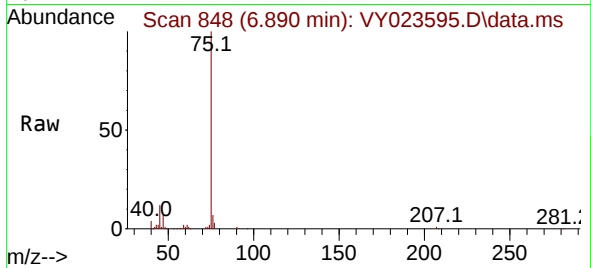




#25
2-Butanone
Concen: 1.376 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

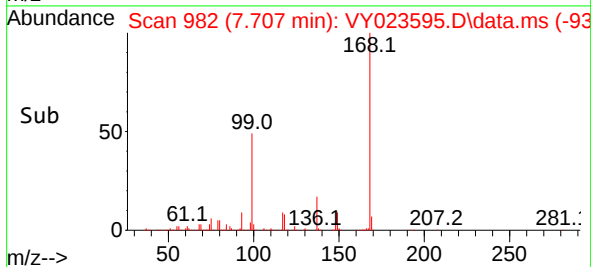
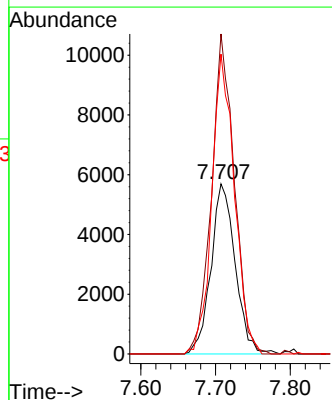
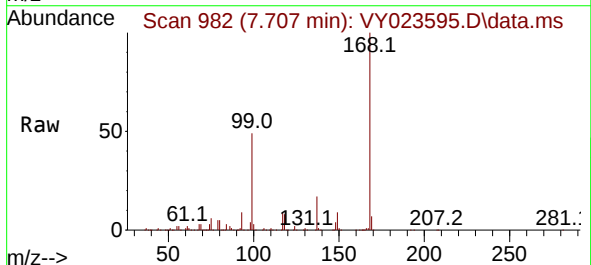
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

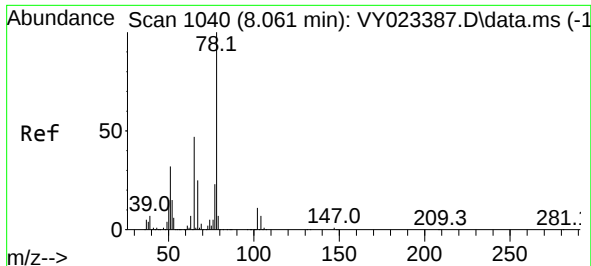
Tgt Ion: 43 Resp: 2606
Ion Ratio Lower Upper
43 100
72 25.8 27.4 41.2#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 56 Resp: 12853
Ion Ratio Lower Upper
56 100
69 188.1 30.0 45.0#
84 176.3 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 47.749 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023595.D

Acq: 27 Oct 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

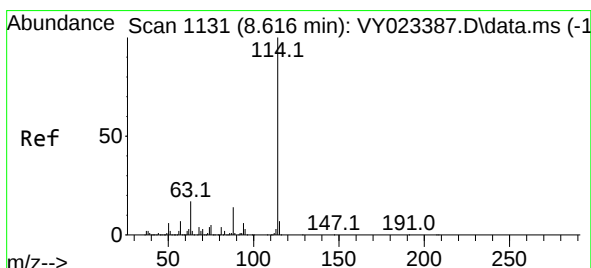
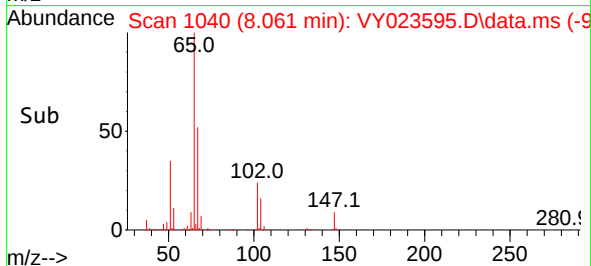
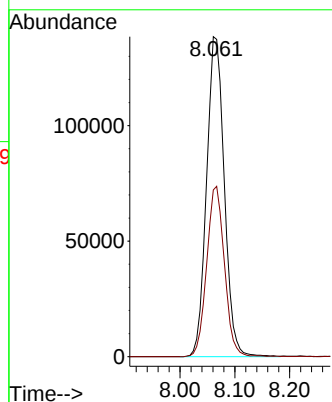
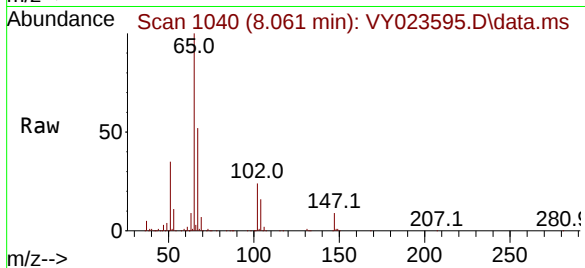
VIBLK

Tgt Ion: 65 Resp: 311136

Ion Ratio Lower Upper

65 100

67 53.2 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: VY023595.D

Acq: 27 Oct 2025 15:24

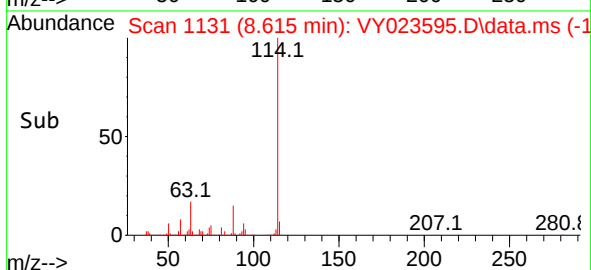
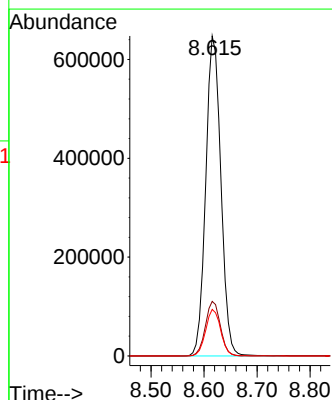
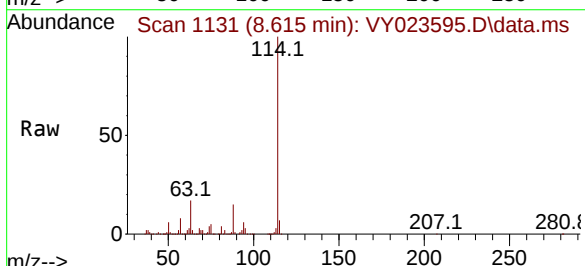
Tgt Ion:114 Resp: 1283589

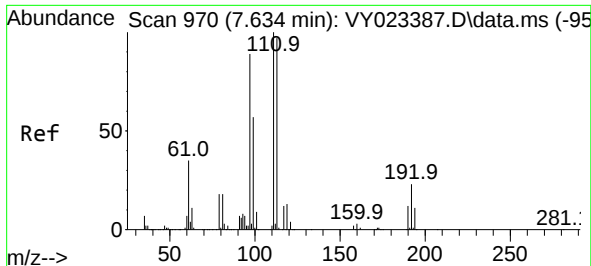
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.6 0.0 28.4

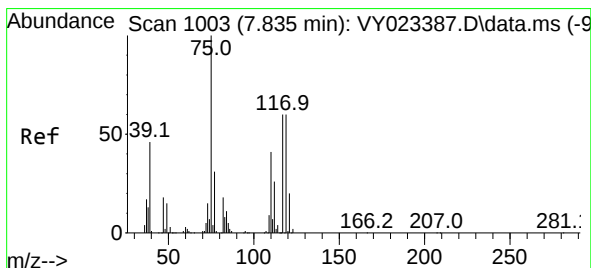
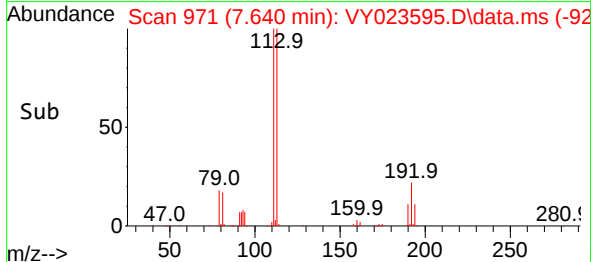
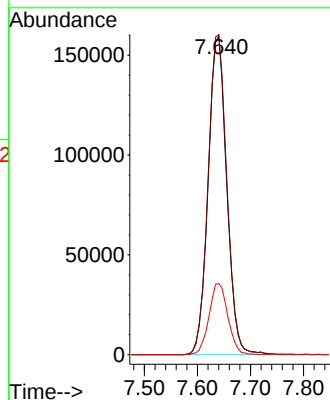
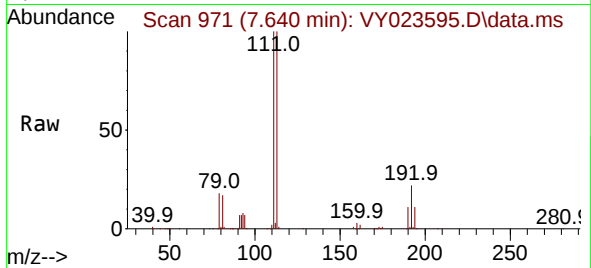




#35
Dibromofluoromethane
Concen: 49.109 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

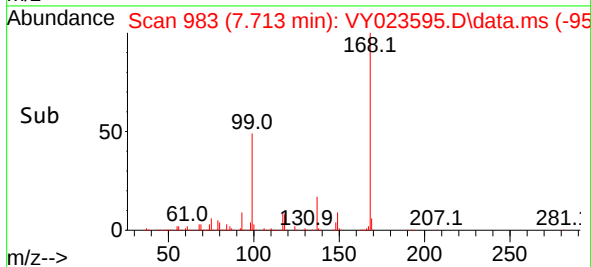
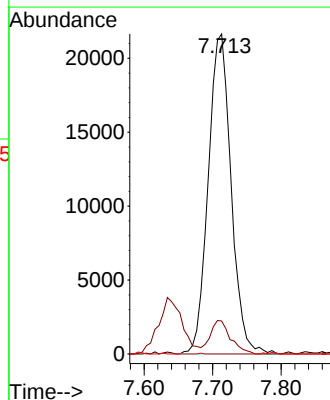
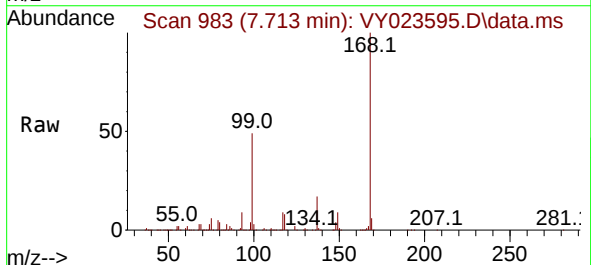
Instrument :
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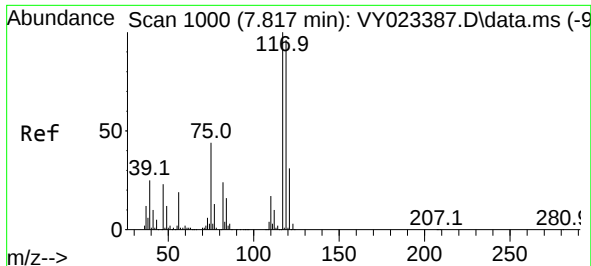
Tgt Ion:113 Resp: 387326
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.816 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 75 Resp: 50285
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.7#
77 0.0 25.0 37.6#

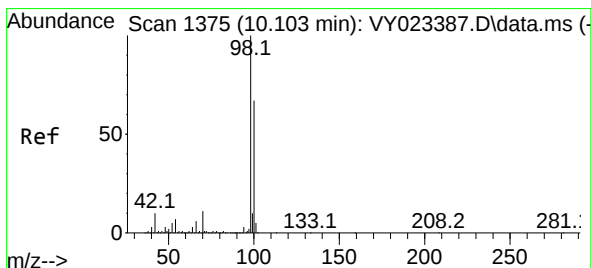
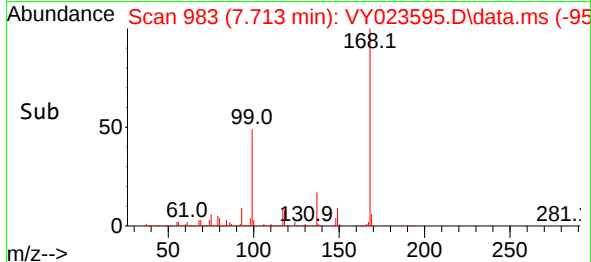
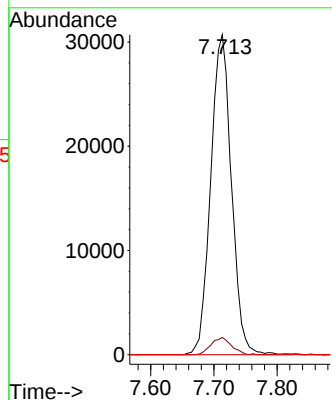
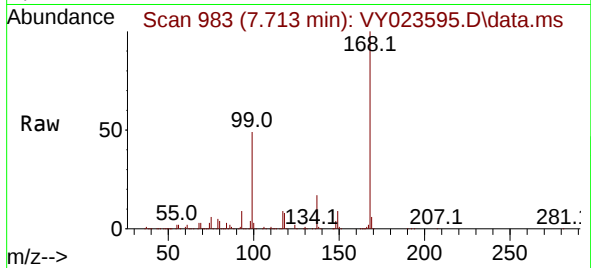




#38
Carbon Tetrachloride
Concen: 5.511 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

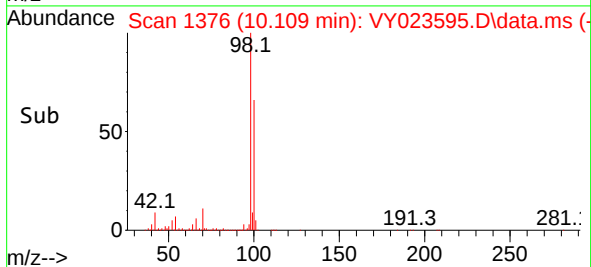
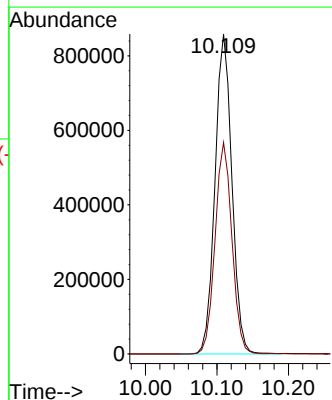
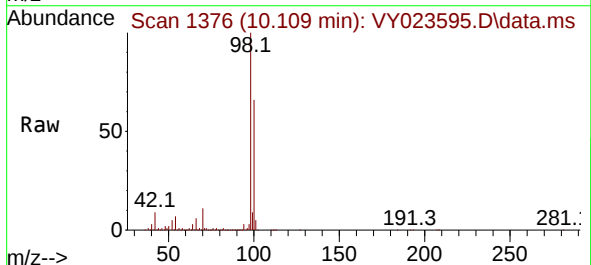
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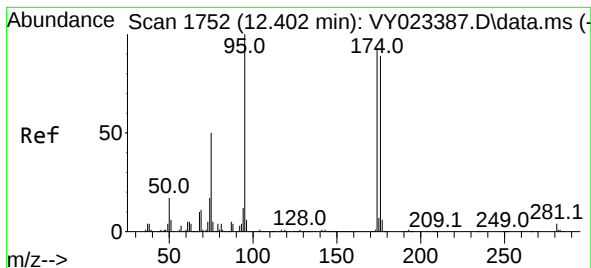
Tgt Ion:117 Resp: 69773
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.954 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 98 Resp: 1408522
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

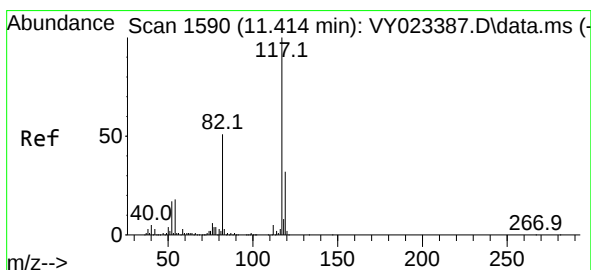
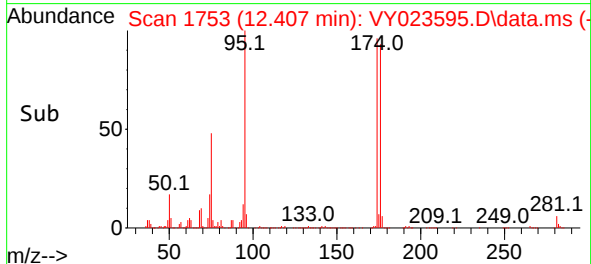
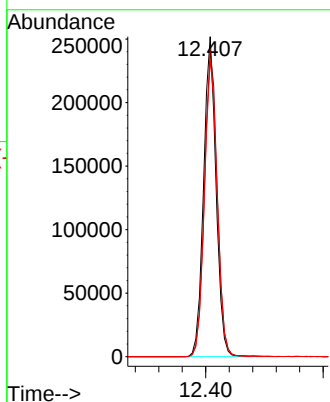
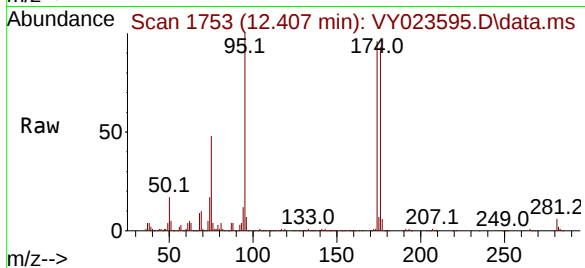




#62
4-Bromofluorobenzene
Concen: 38.207 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

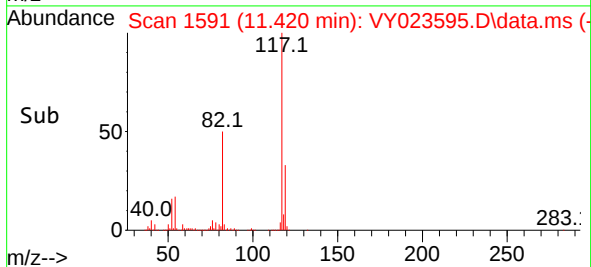
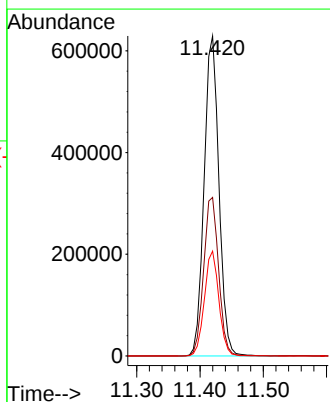
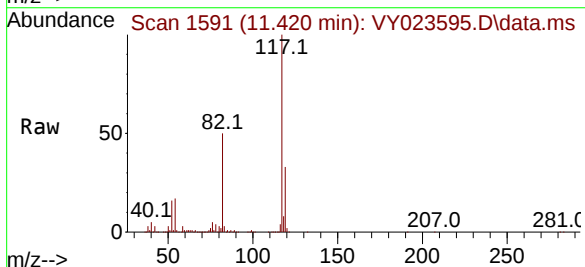
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

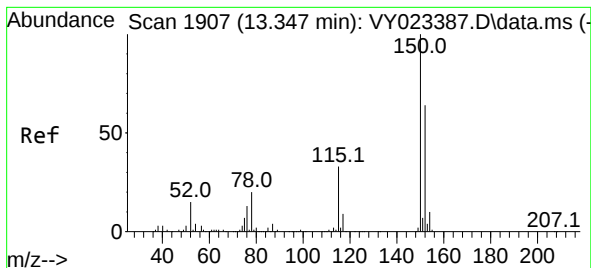
Tgt Ion: 95 Resp: 370498
Ion Ratio Lower Upper
95 100
174 98.9 0.0 192.8
176 95.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Tgt Ion: 117 Resp: 1025604
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.4
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023595.D

Acq: 27 Oct 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

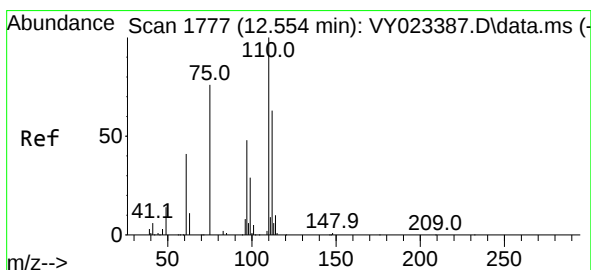
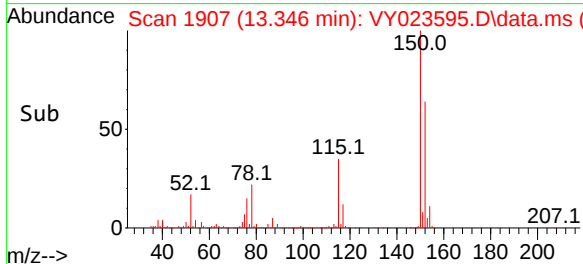
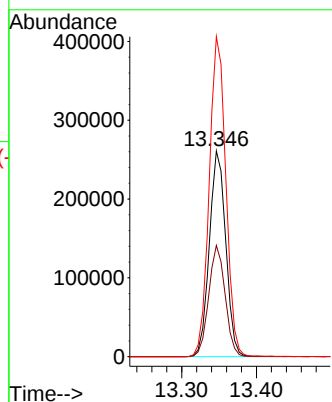
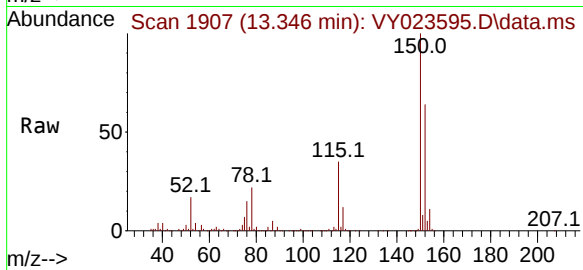
Tgt Ion:152 Resp: 398294

Ion Ratio Lower Upper

152 100

115 54.0 27.1 81.2

150 157.3 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.730 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023595.D

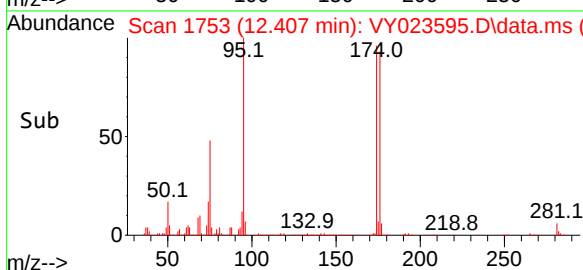
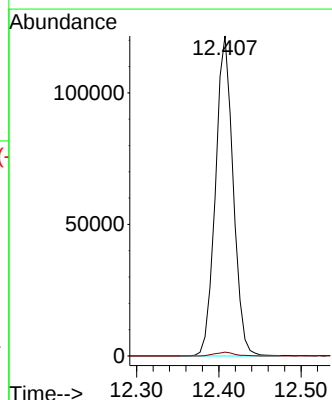
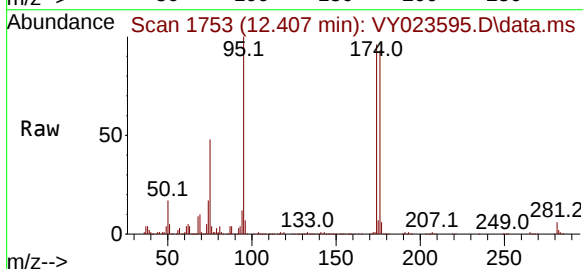
Acq: 27 Oct 2025 15:24

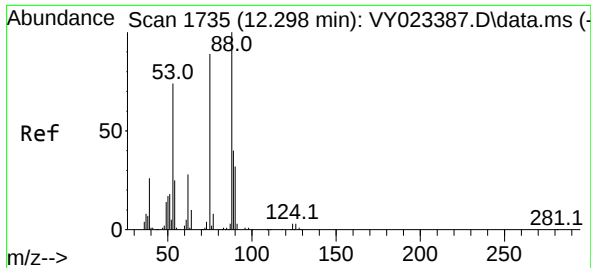
Tgt Ion: 75 Resp: 181781

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 126.852 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023595.D
Acq: 27 Oct 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 181781
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.1 39.0 58.4#

