

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023432.D
 Acq On : 10 Oct 2025 12:29
 Operator : SY/MD
 Sample : Q3315-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

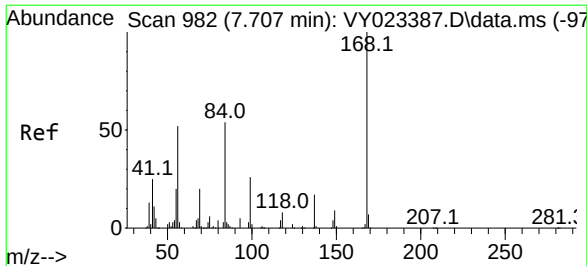
Quant Time: Oct 10 15:37:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	554278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1081021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1064215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	448266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	283728	61.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.420%			
35) Dibromofluoromethane	7.640	113	359211	54.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.160%			
50) Toluene-d8	10.109	98	1304884	52.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.500%			
62) 4-Bromofluorobenzene	12.408	95	423073	51.804	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	1854	5.377	ug/l #	72
20) Methylene Chloride	4.622	84	11545	1.935	ug/l #	83
25) 2-Butanone	6.903	43	2338	1.736	ug/l #	40
31) Cyclohexane	7.713	56	10572	1.371	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	37611	4.277	ug/l #	48
38) Carbon Tetrachloride	7.713	117	51514	4.831	ug/l #	15
52) Toluene	10.170	92	71643	3.962	ug/l	99
67) Ethyl Benzene	11.518	91	44605	1.191	ug/l	99
68) m/p-Xylenes	11.627	106	70574	4.696	ug/l	99
69) o-Xylene	11.957	106	29519	2.094	ug/l	98
76) 1,2,3-Trichloropropane	12.408	75	209274	52.915	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	209274	129.758	ug/l #	15

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

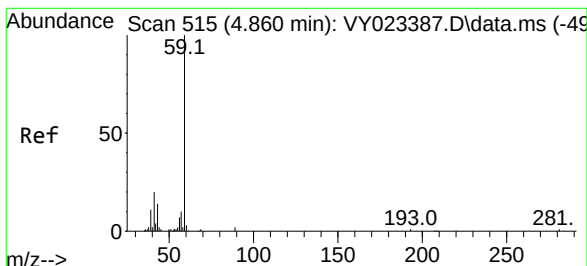
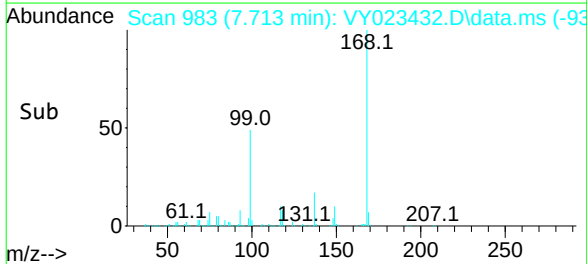
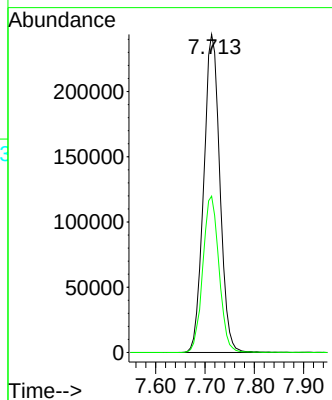
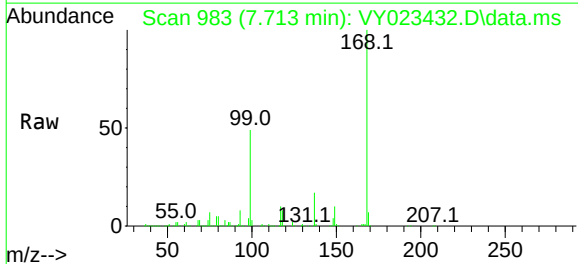
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
Data File : VY023432.D
Acq On : 10 Oct 2025 12:29
Operator : SY/MD
Sample : Q3315-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY023432.D
Acq: 10 Oct 2025 12:29

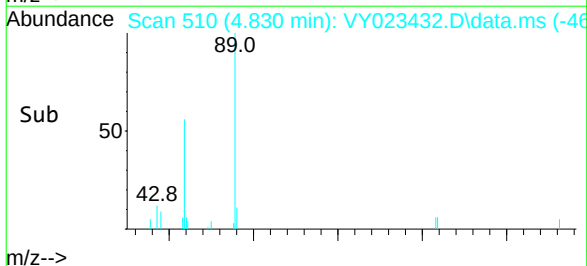
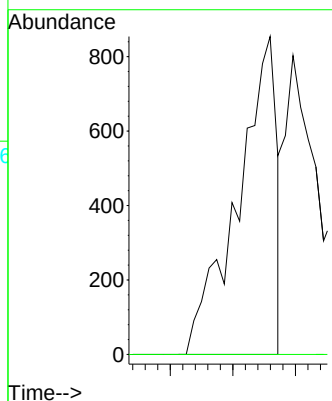
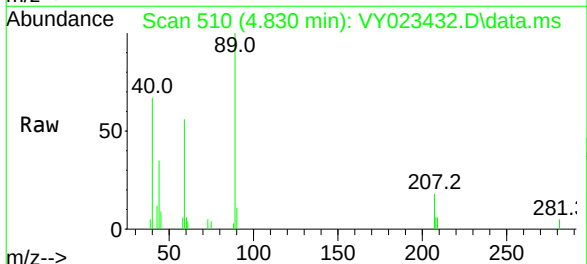
Instrument :
MSVOA_Y
ClientSampleId :
72-11989

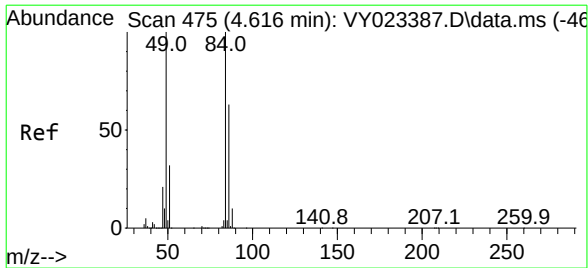
Tgt Ion:168 Resp: 554278
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 5.377 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023432.D
Acq: 10 Oct 2025 12:29

Tgt Ion: 59 Resp: 1854
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

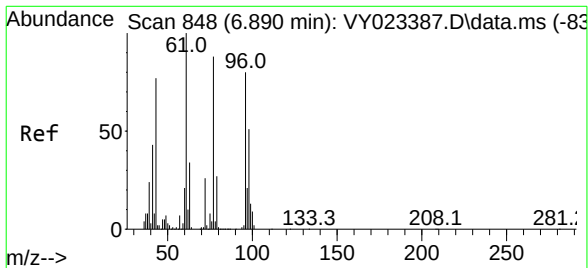
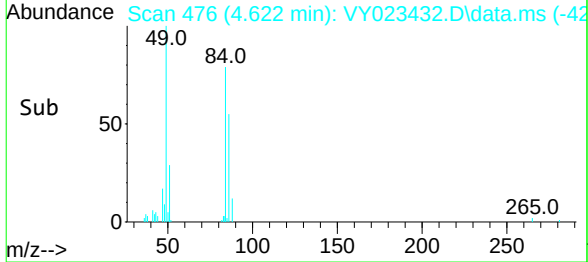
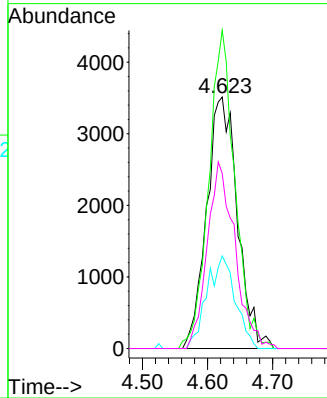
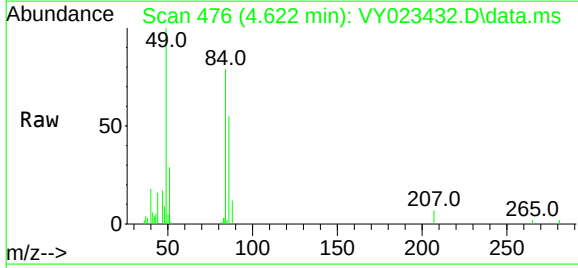




#20
Methylene Chloride
Concen: 1.935 ug/l
RT: 4.622 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY023432.D
Acq: 10 Oct 2025 12:29

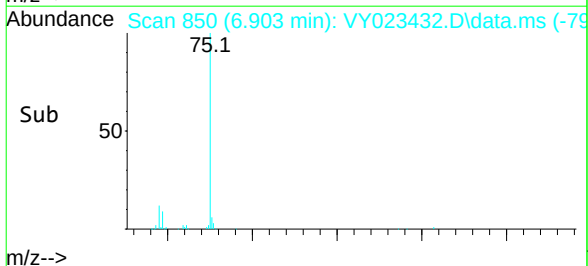
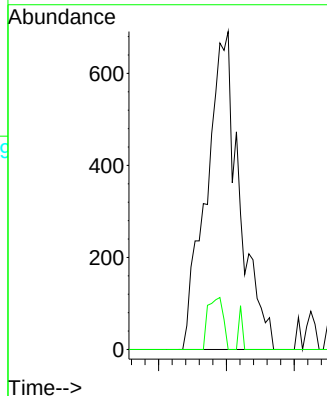
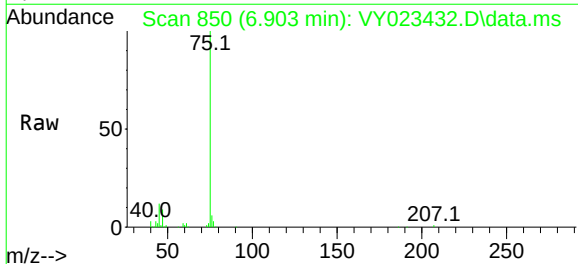
Instrument :
MSVOA_Y
ClientSampleId :
72-11989

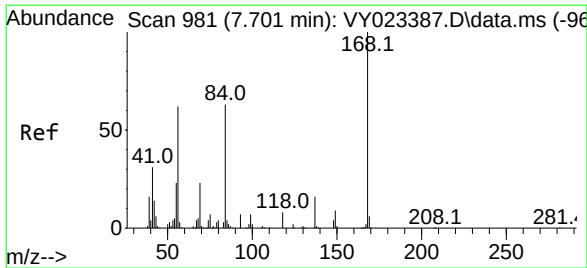
Tgt Ion:	84	Resp:	11545
Ion	Ratio	Lower	Upper
84	100		
49	126.5	80.2	120.4#
51	36.8	25.9	38.9
86	69.6	50.6	75.8



#25
2-Butanone
Concen: 1.736 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023432.D
Acq: 10 Oct 2025 12:29

Tgt Ion:	43	Resp:	2338
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.4	41.2#





#31

Cyclohexane

Concen: 1.371 ug/l

RT: 7.713 min Scan# 98

Delta R.T. 0.012 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

72-11989

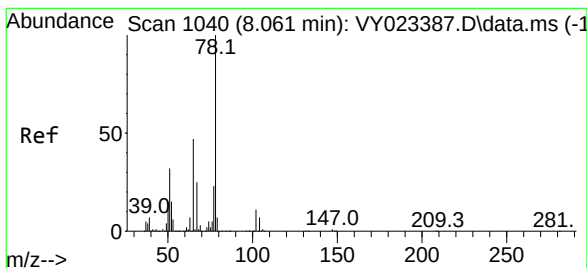
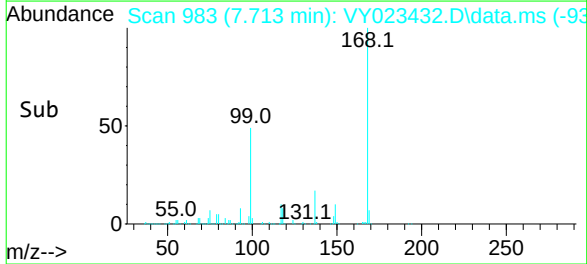
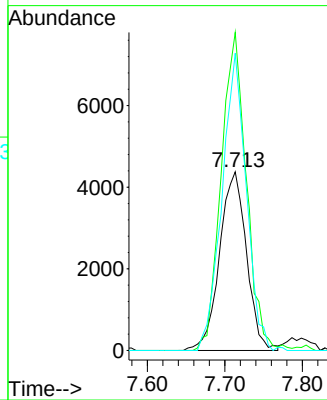
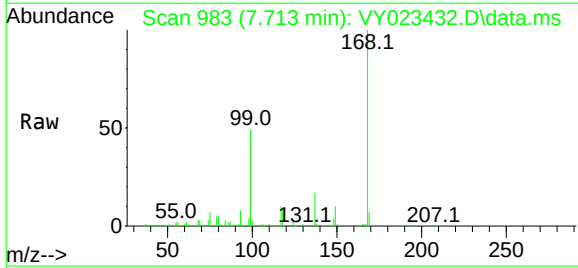
Tgt Ion: 56 Resp: 10572

Ion Ratio Lower Upper

56 100

69 178.0 30.0 45.0#

84 166.4 81.2 121.8#



#33

1,2-Dichloroethane-d4

Concen: 61.215 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023432.D

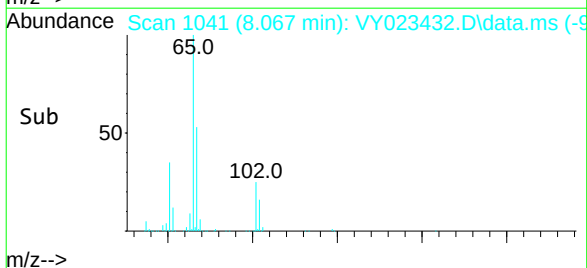
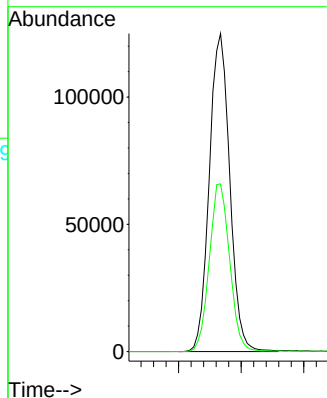
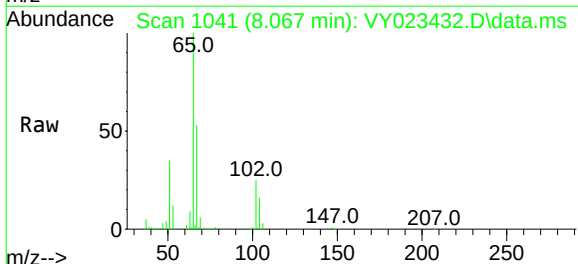
Acq: 10 Oct 2025 12:29

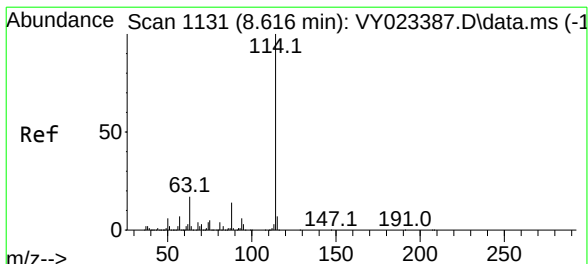
Tgt Ion: 65 Resp: 283728

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



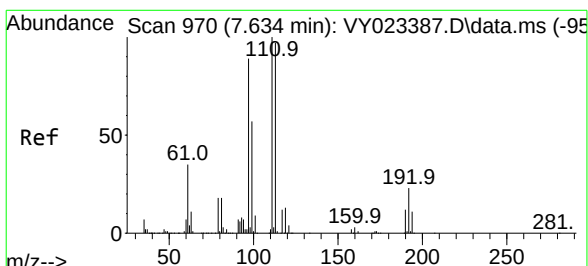
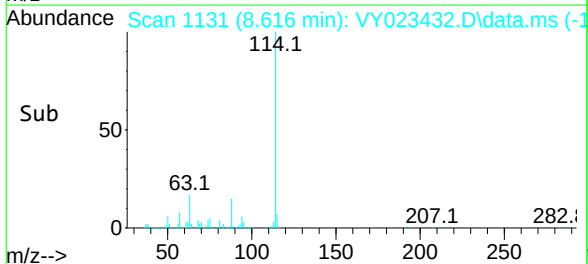
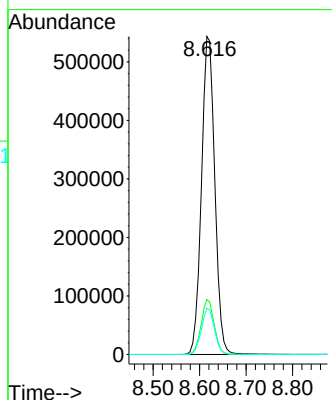
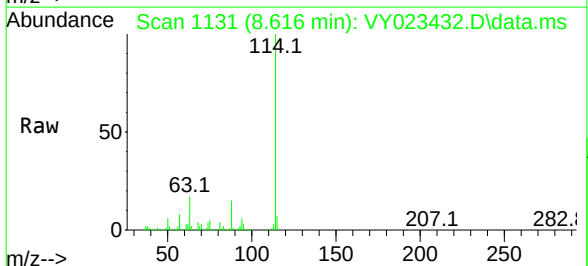


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023432.D
 Acq: 10 Oct 2025 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

Tgt Ion:114 Resp: 1081021

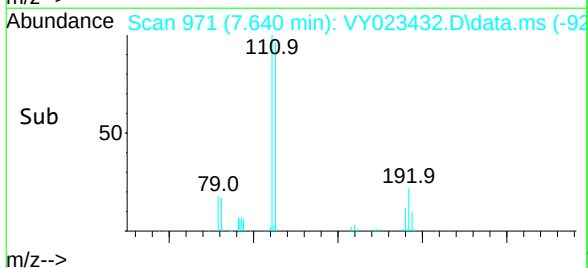
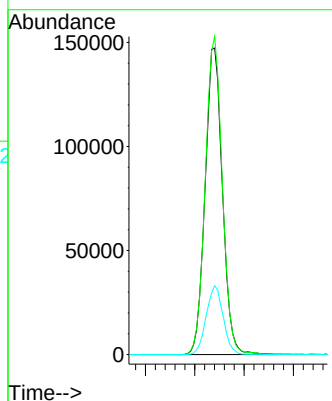
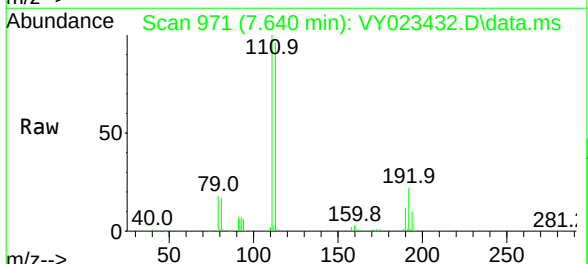
Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	34.2
88	14.6	0.0	28.4

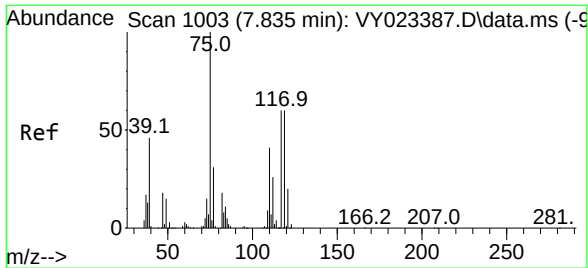


#35
 Dibromofluoromethane
 Concen: 54.079 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VY023432.D
 Acq: 10 Oct 2025 12:29

Tgt Ion:113 Resp: 359211

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	22.0	18.0	27.0

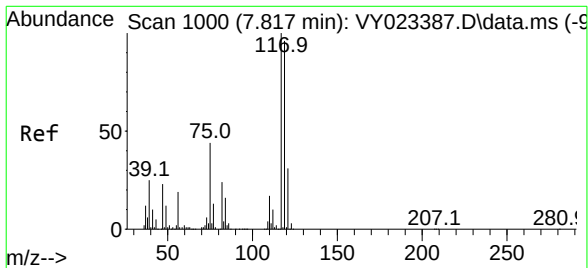
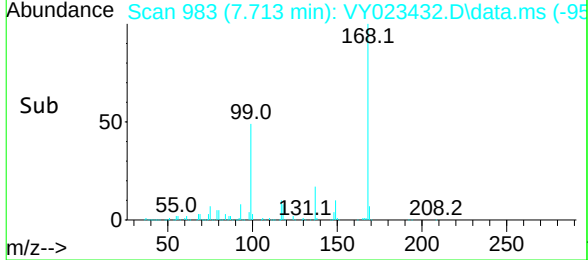
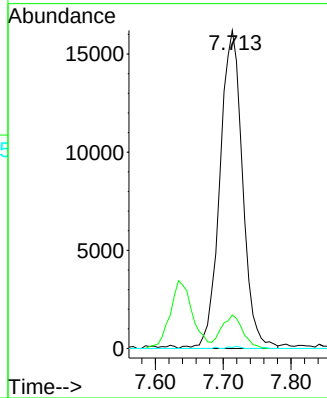
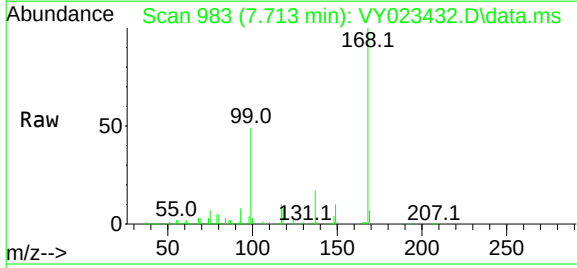




#36
 1,1-Dichloropropene
 Concen: 4.277 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.122 min
 Lab File: VY023432.D
 Acq: 10 Oct 2025 12:29

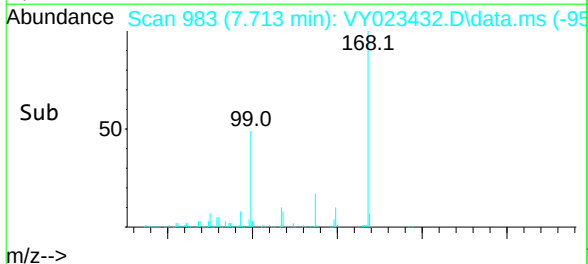
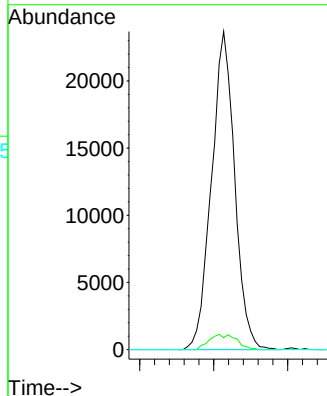
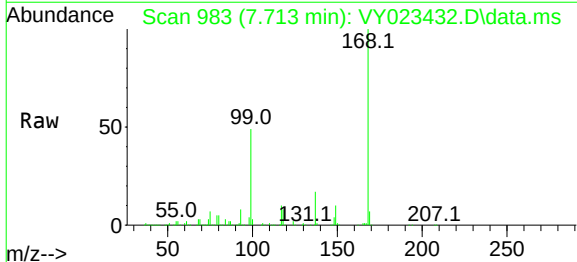
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11989

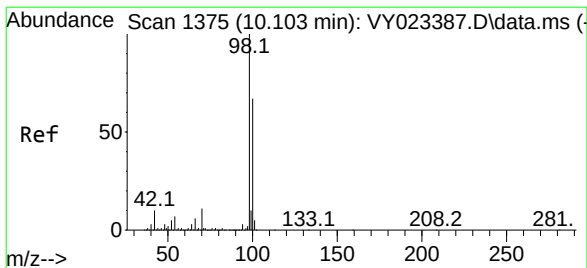
Tgt Ion:	75	Resp:	37611
Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.9	59.7#
77	0.3	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 4.831 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.104 min
 Lab File: VY023432.D
 Acq: 10 Oct 2025 12:29

Tgt Ion:	117	Resp:	51514
Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.8	115.2#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 52.751 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

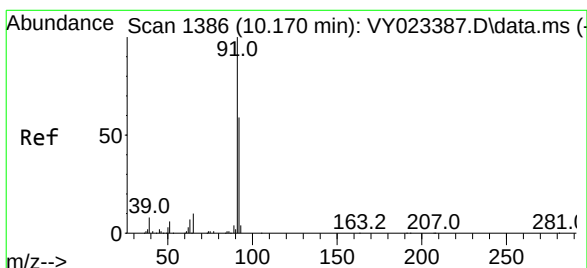
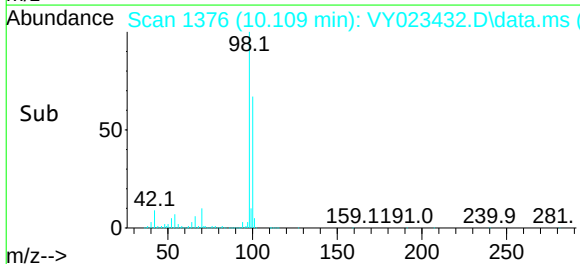
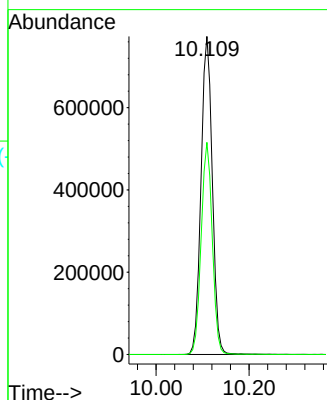
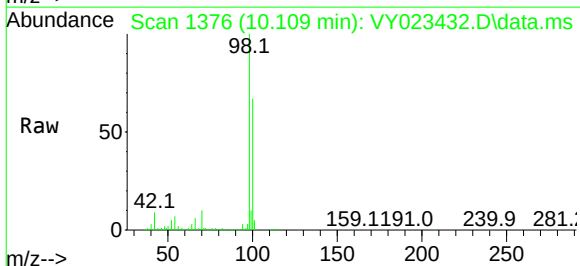
72-11989

Tgt Ion: 98 Resp: 1304884

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



#52

Toluene

Concen: 3.962 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023432.D

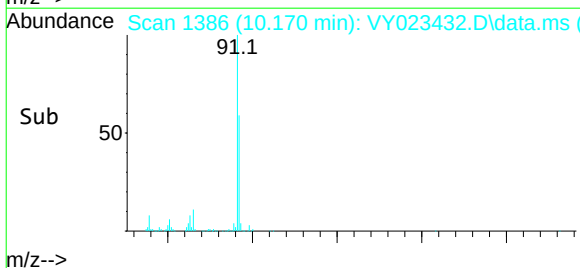
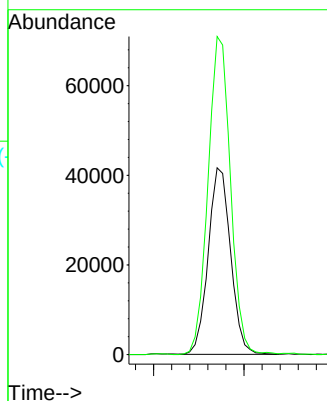
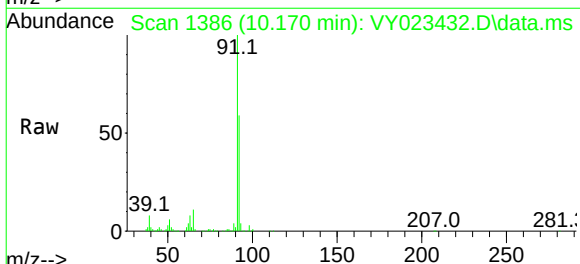
Acq: 10 Oct 2025 12:29

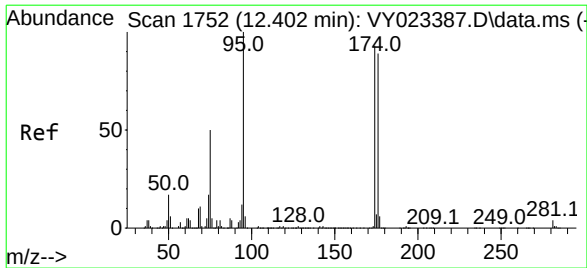
Tgt Ion: 92 Resp: 71643

Ion Ratio Lower Upper

92 100

91 171.2 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 51.804 ug/l

RT: 12.408 min Scan# 1752

Delta R.T. 0.006 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

72-11989

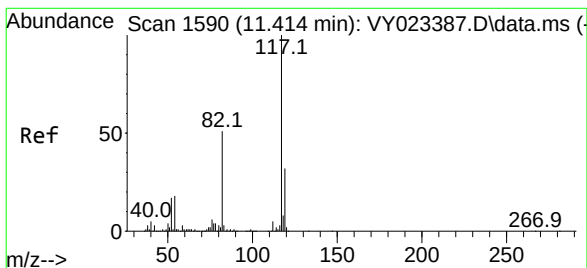
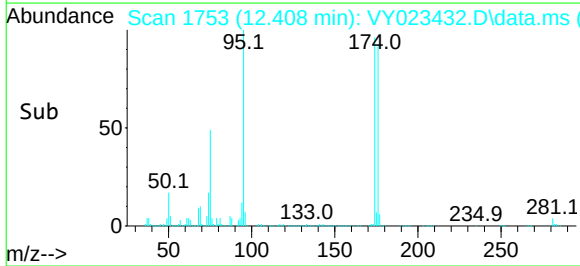
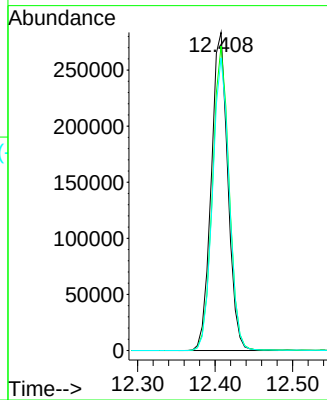
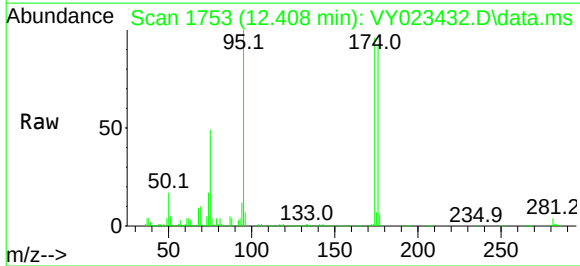
Tgt Ion: 95 Resp: 423073

Ion Ratio Lower Upper

95 100

174 95.7 0.0 192.8

176 92.3 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: VY023432.D

Acq: 10 Oct 2025 12:29

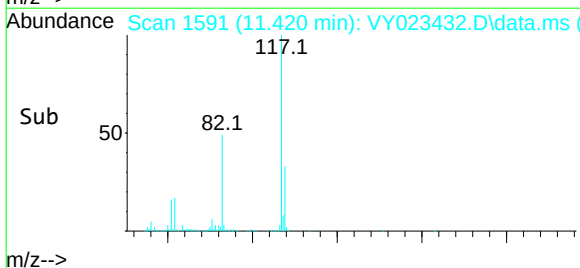
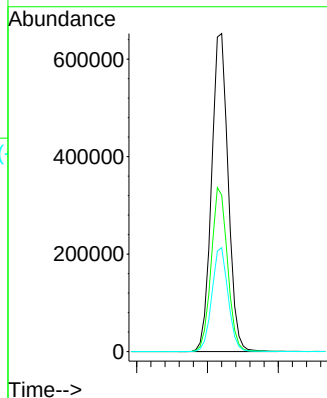
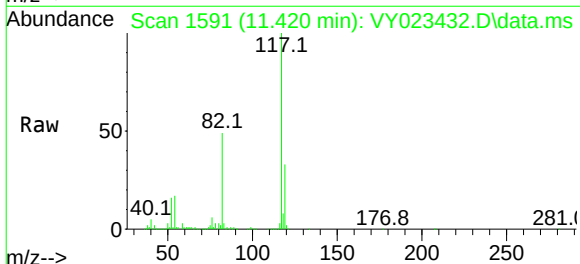
Tgt Ion: 117 Resp: 1064215

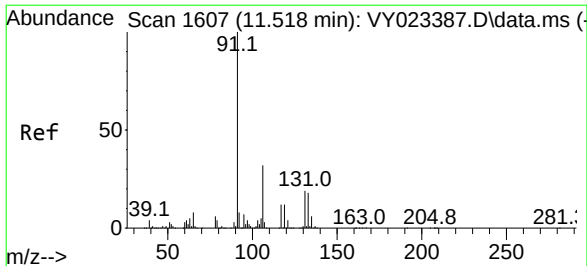
Ion Ratio Lower Upper

117 100

82 49.2 41.0 61.4

119 32.7 25.6 38.4





#67

Ethyl Benzene

Concen: 1.191 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

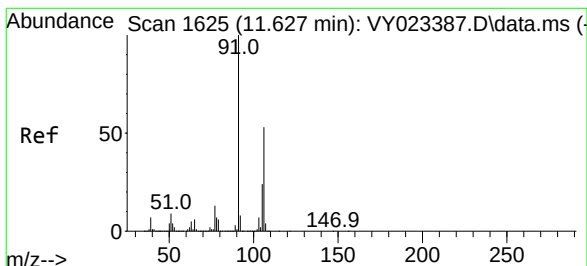
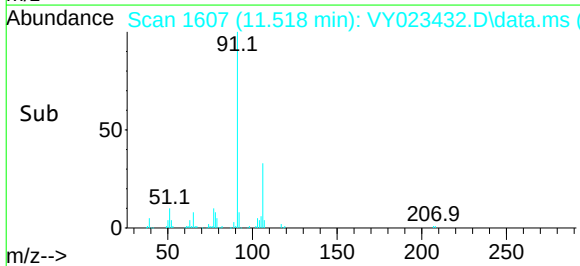
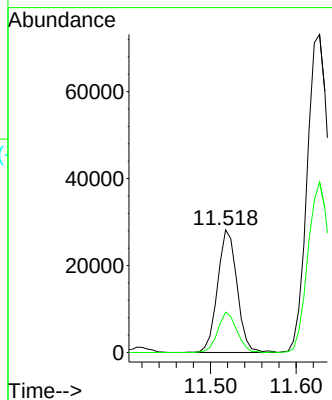
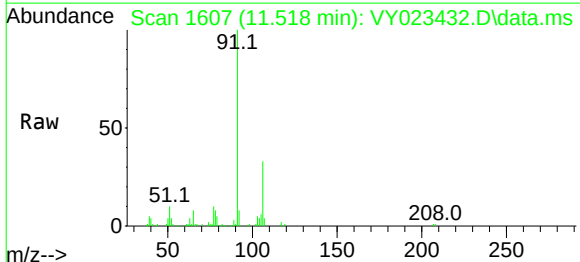
72-11989

Tgt Ion: 91 Resp: 44605

Ion Ratio Lower Upper

91 100

106 32.9 25.8 38.8



#68

m/p-Xylenes

Concen: 4.696 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023432.D

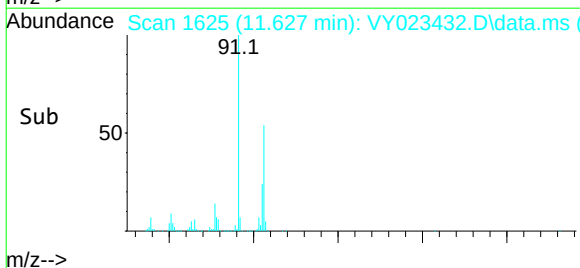
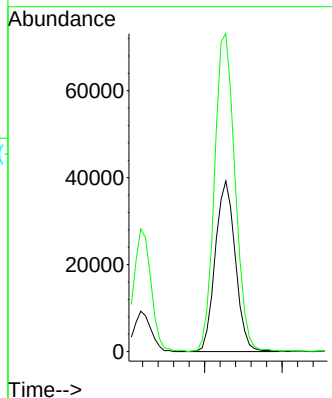
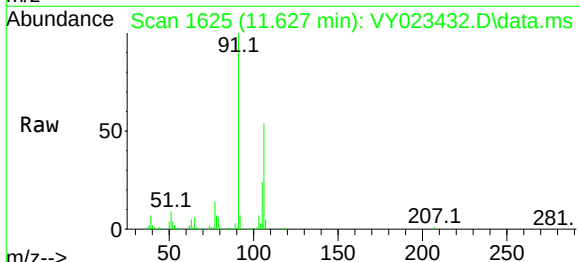
Acq: 10 Oct 2025 12:29

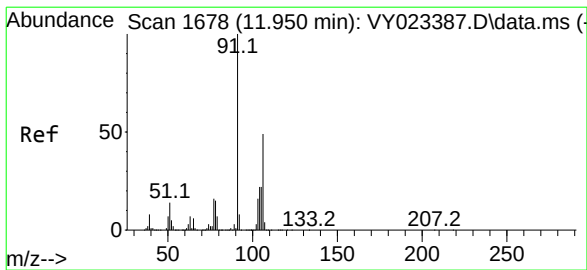
Tgt Ion:106 Resp: 70574

Ion Ratio Lower Upper

106 100

91 191.9 152.6 229.0





#69

o-Xylene

Concen: 2.094 ug/l

RT: 11.957 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

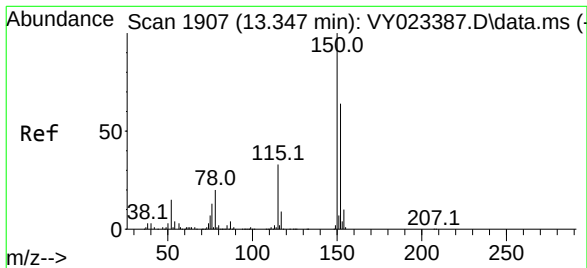
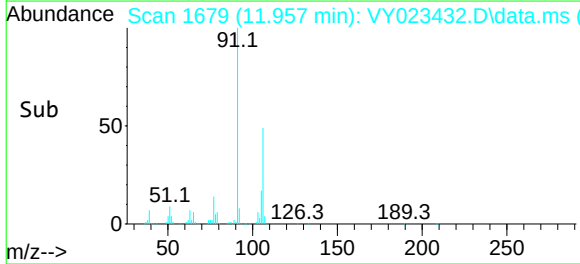
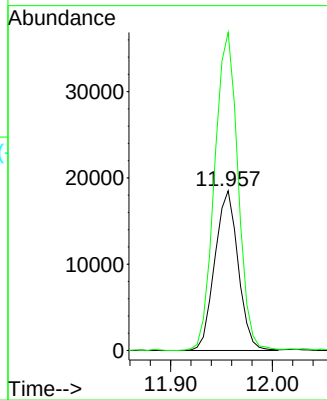
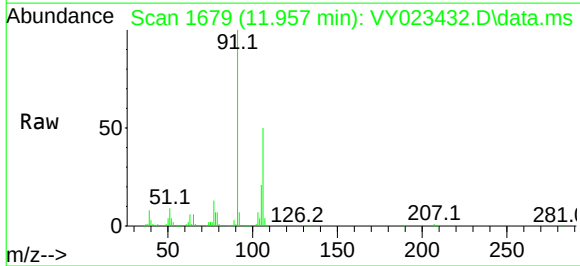
72-11989

Tgt Ion:106 Resp: 29519

Ion Ratio Lower Upper

106 100

91 199.9 101.4 304.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

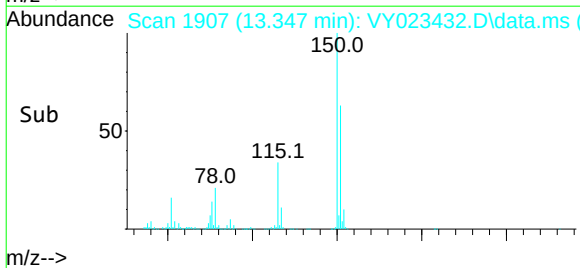
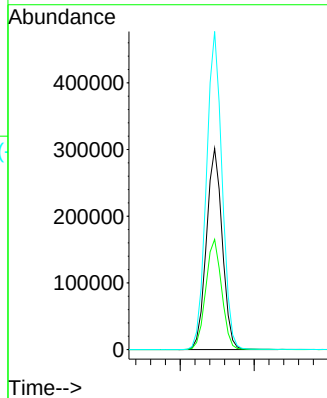
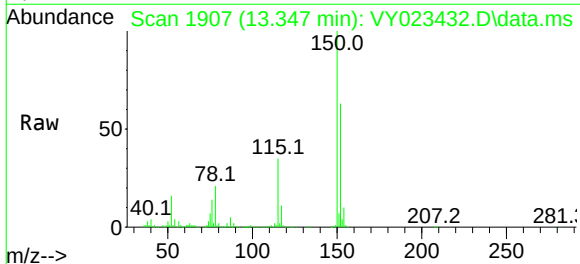
Tgt Ion:152 Resp: 448266

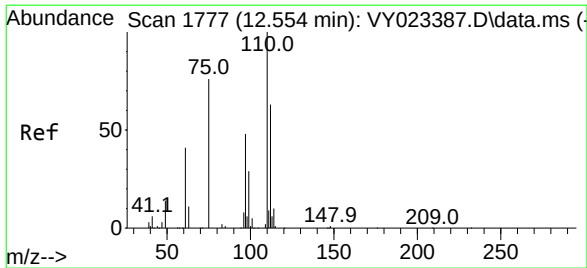
Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.2

150 156.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 52.915 ug/l

RT: 12.408 min Scan# 17

Delta R.T. -0.146 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

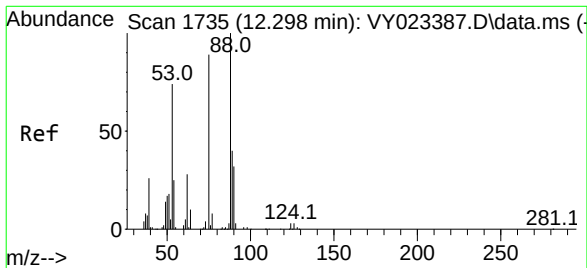
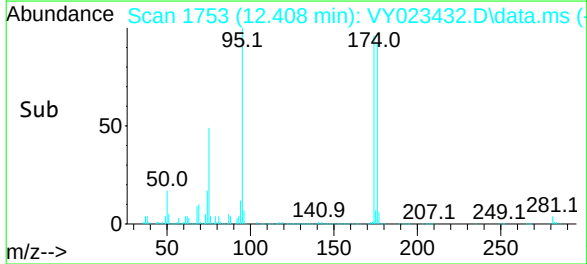
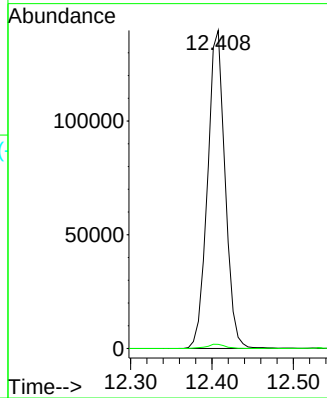
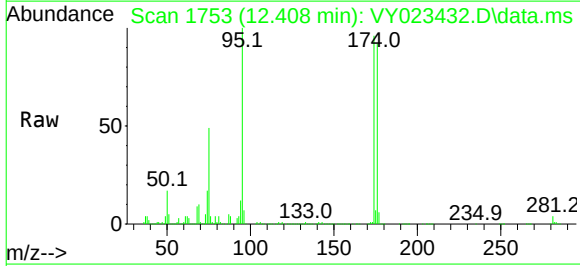
72-11989

Tgt Ion: 75 Resp: 209274

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.758 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023432.D

Acq: 10 Oct 2025 12:29

Tgt Ion: 75 Resp: 209274

Ion Ratio Lower Upper

75 100

53 0.2 68.6 102.8#

89 0.0 39.0 58.4#

