

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023730.D
 Acq On : 11 Nov 2025 11:03
 Operator : SY/MD
 Sample : VY1111SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBL01

Quant Time: Nov 12 03:32:13 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)

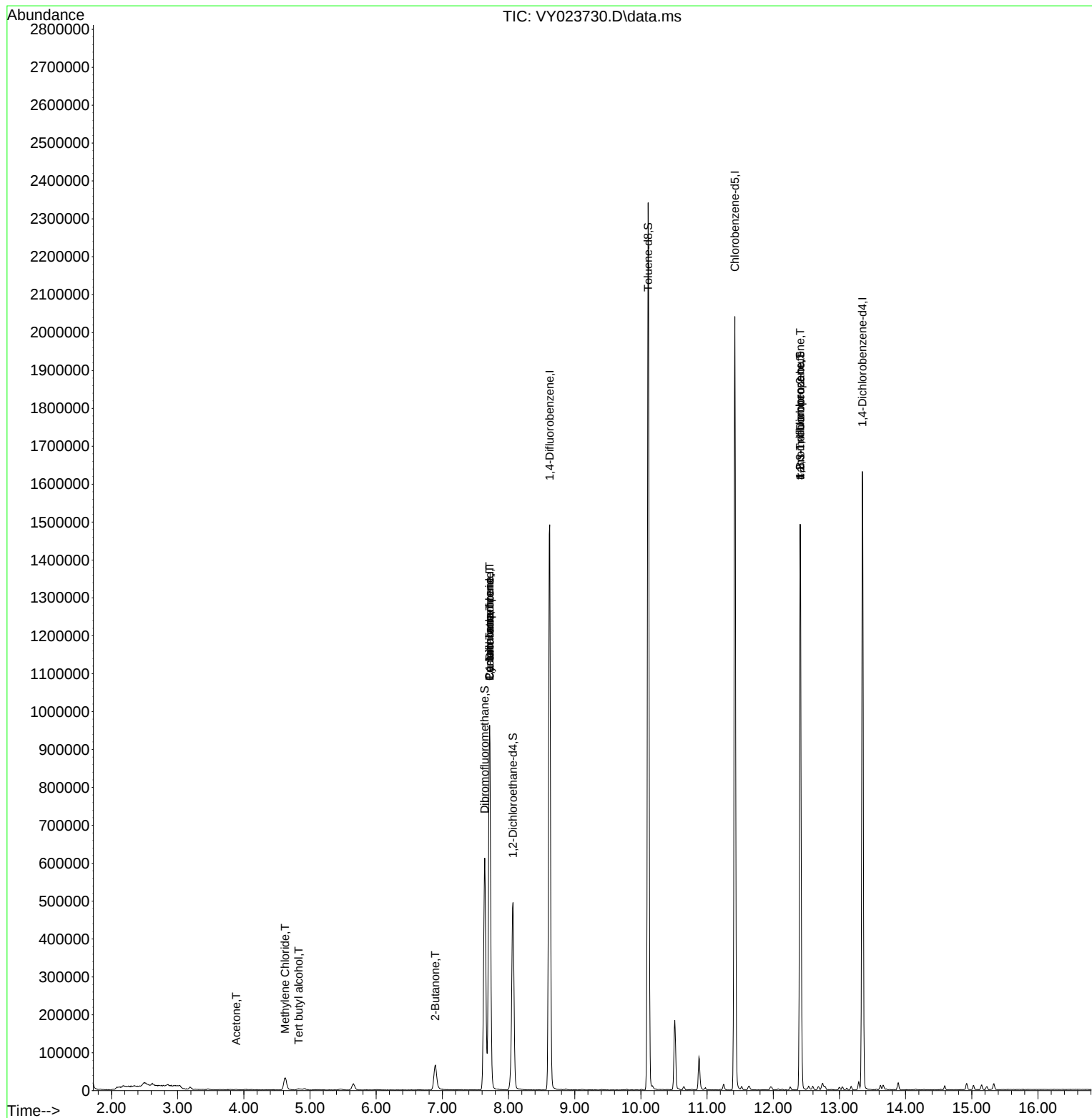
Internal Standards						
1) Pentafluorobenzene	7.713	168	807177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1372130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1134523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	441999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	373536	55.341	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.680%	
35) Dibromofluoromethane	7.640	113	430836	51.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.200%	
50) Toluene-d8	10.109	98	1525090	48.573	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.140%	
62) 4-Bromofluorobenzene	12.408	95	434745	41.939	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	3517	7.004	ug/l #	72
16) Acetone	3.885	43	1956	1.217	ug/l #	86
20) Methylene Chloride	4.623	84	25391	2.922	ug/l	96
25) 2-Butanone	6.890	43	3891	1.983	ug/l #	58
31) Cyclohexane	7.713	56	14794	1.318	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	55280	4.953	ug/l #	47
38) Carbon Tetrachloride	7.713	117	74415	5.498	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	216617	55.548	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	216617	136.215	ug/l #	15

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

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ALS Vial : 3 Sample Multiplier: 1

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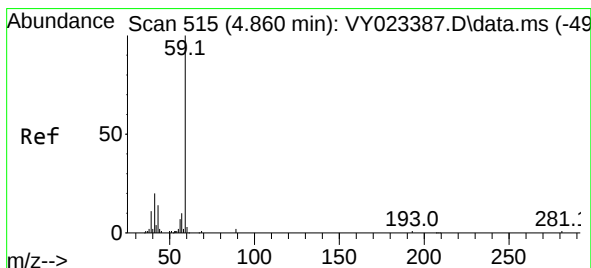
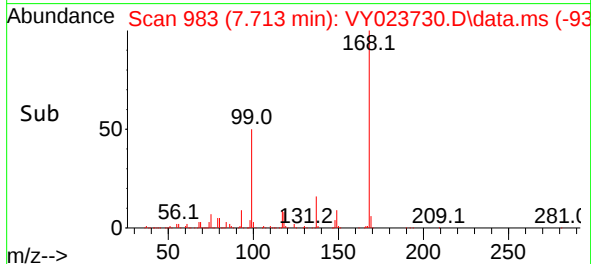
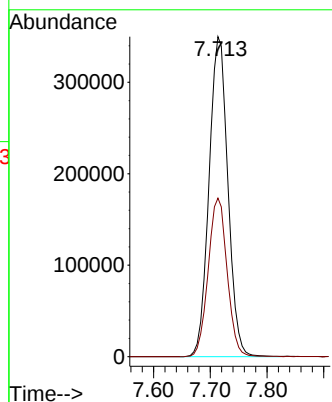
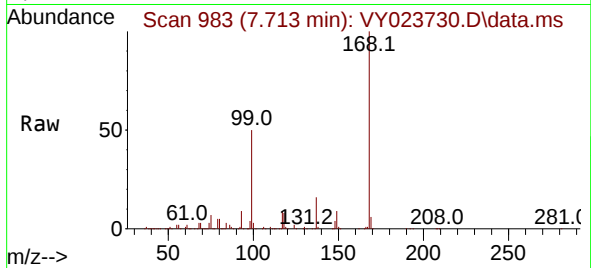




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

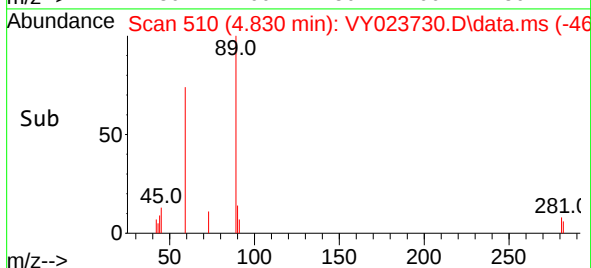
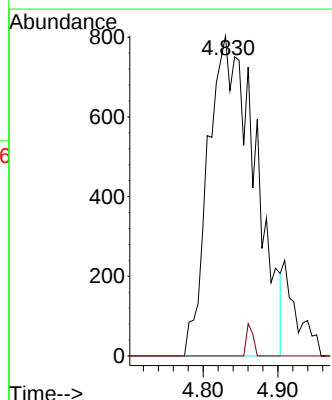
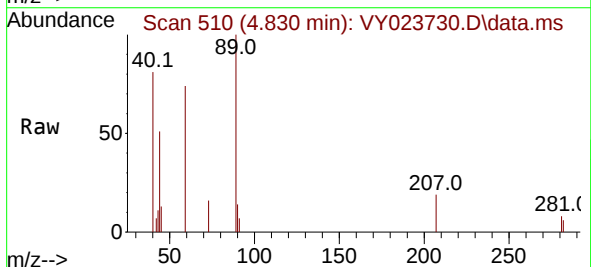
Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

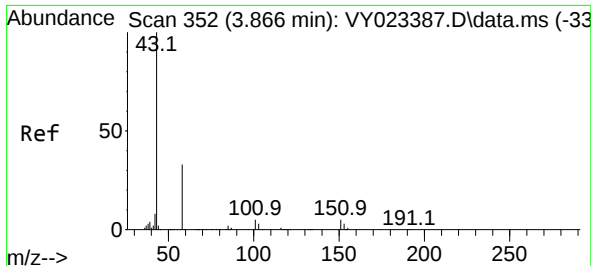
Tgt Ion:168 Resp: 807177
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 7.004 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

Tgt Ion: 59 Resp: 3517
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

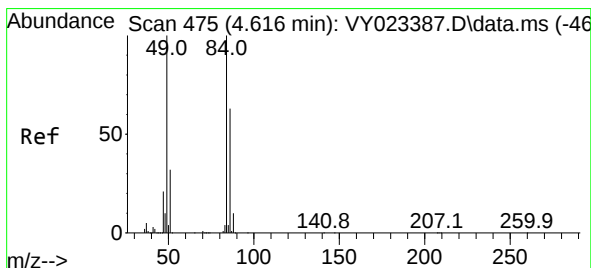
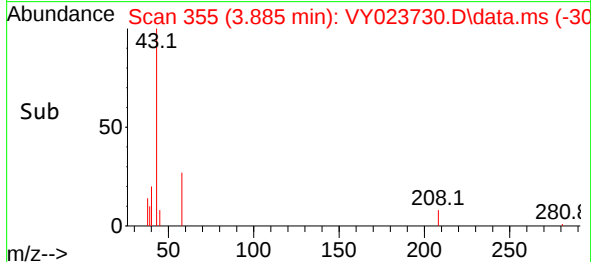
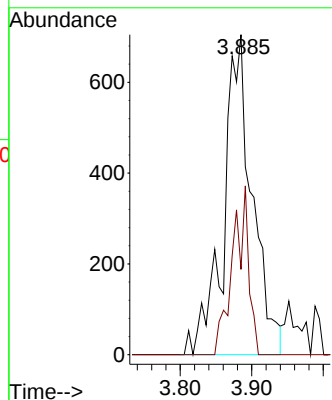
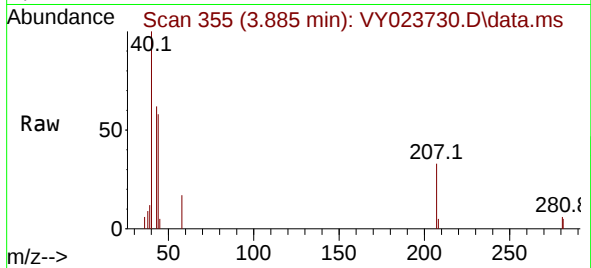




#16
Acetone
Concen: 1.217 ug/l
RT: 3.885 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

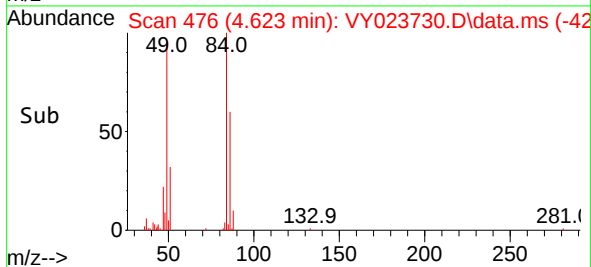
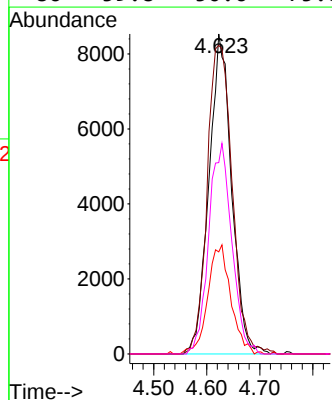
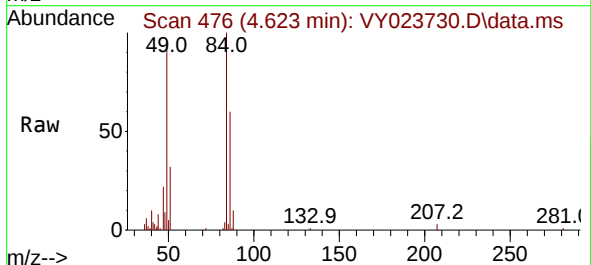
Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

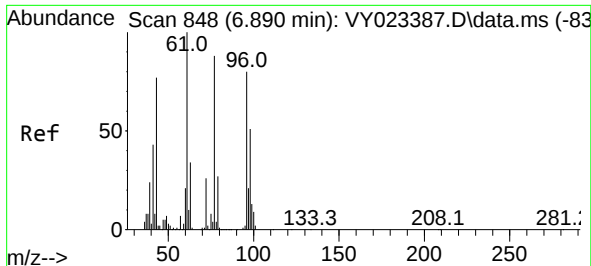
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 26.7 27.7 41.5#



#20
Methylene Chloride
Concen: 2.922 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

Tgt Ion: 84 Resp: 25391
Ion Ratio Lower Upper
84 100
49 96.5 80.2 120.4
51 31.9 25.9 38.9
86 59.8 50.6 75.8

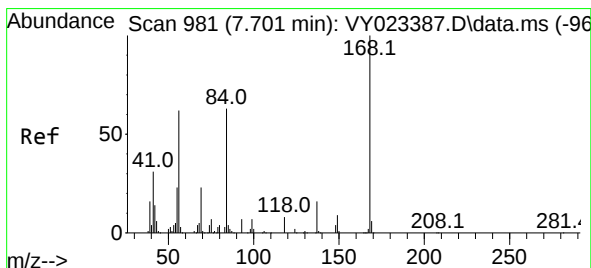
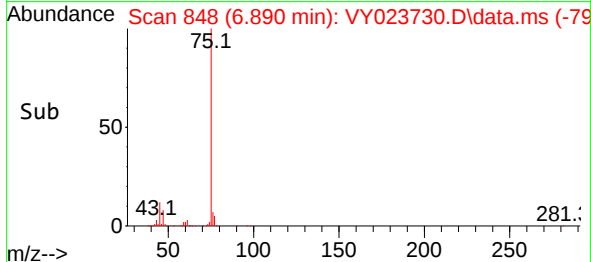
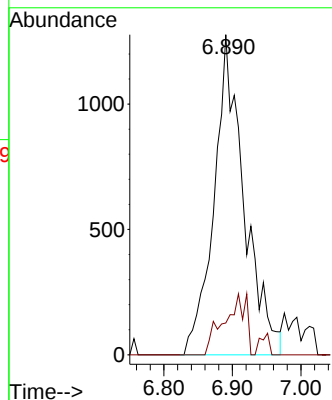
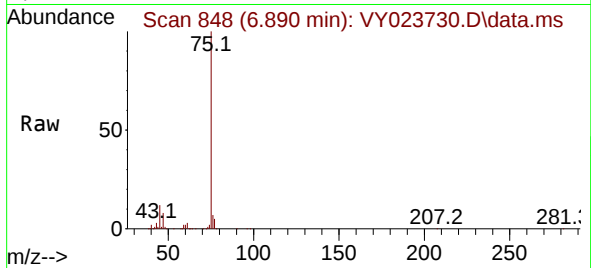




#25
2-Butanone
Concen: 1.983 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

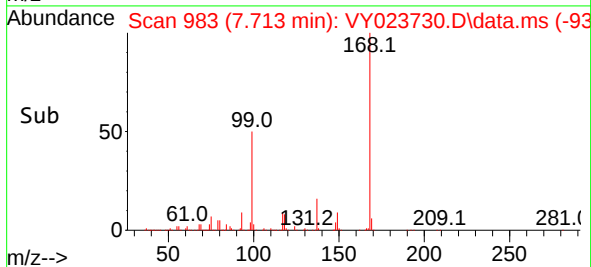
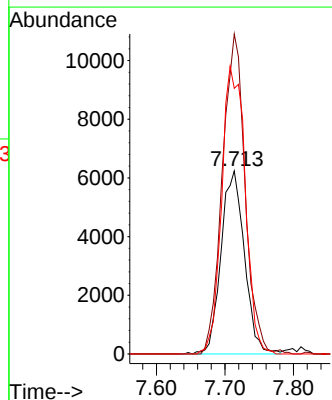
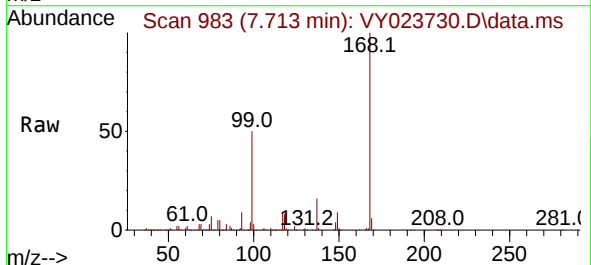
Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

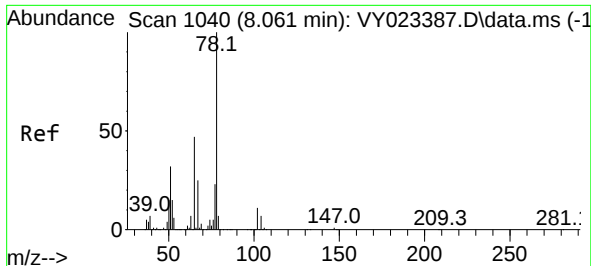
Tgt Ion: 43 Resp: 3891
Ion Ratio Lower Upper
43 100
72 9.9 27.4 41.2#



#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

Tgt Ion: 56 Resp: 14794
Ion Ratio Lower Upper
56 100
69 174.8 30.0 45.0#
84 145.0 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 55.341 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023730.D

Acq: 11 Nov 2025 11:03

Instrument :

MSVOA_Y

ClientSampleId :

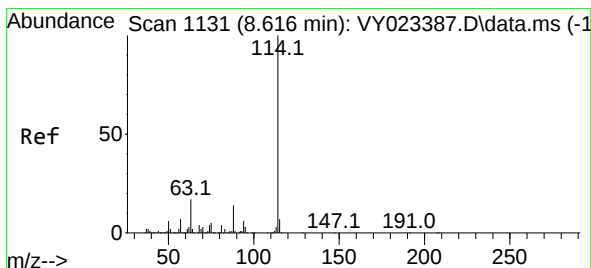
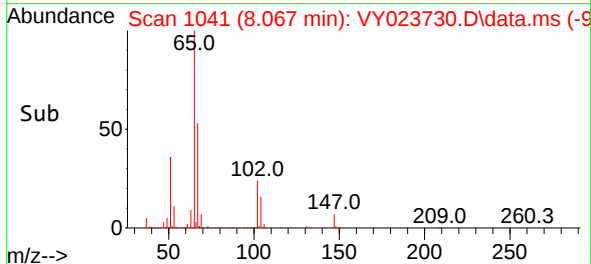
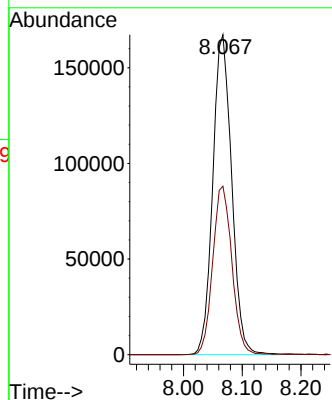
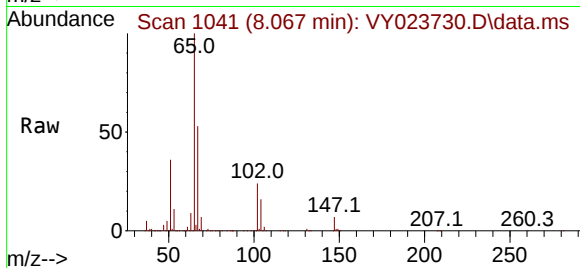
VY1111SBL01

Tgt Ion: 65 Resp: 373536

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023730.D

Acq: 11 Nov 2025 11:03

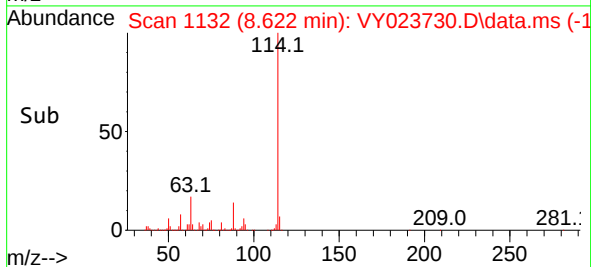
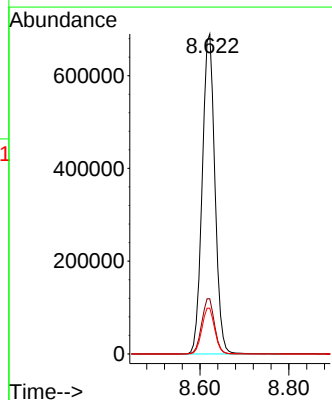
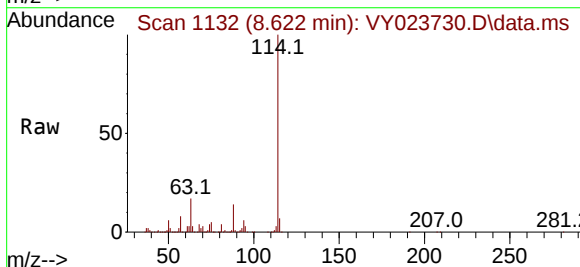
Tgt Ion: 114 Resp: 1372130

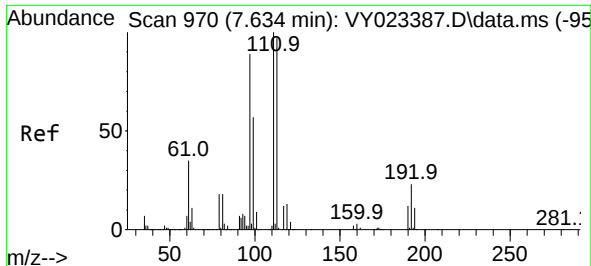
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

88 14.3 0.0 28.4

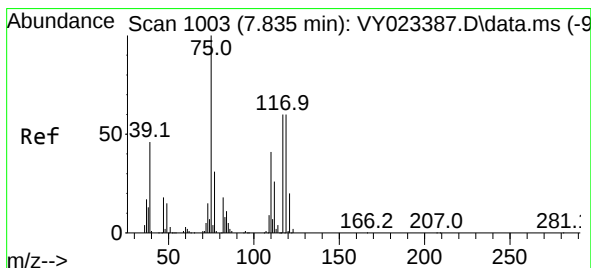
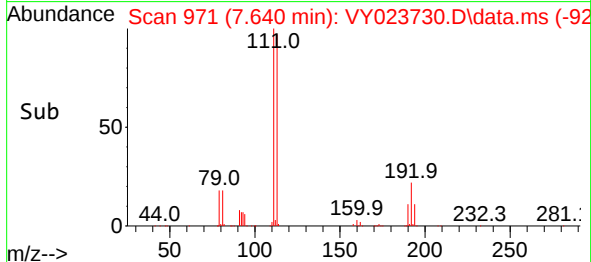
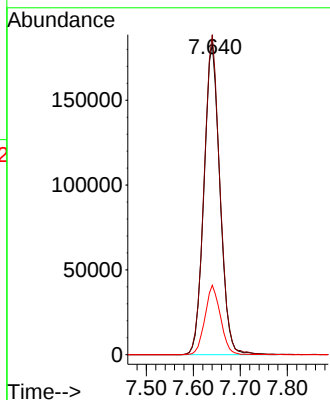
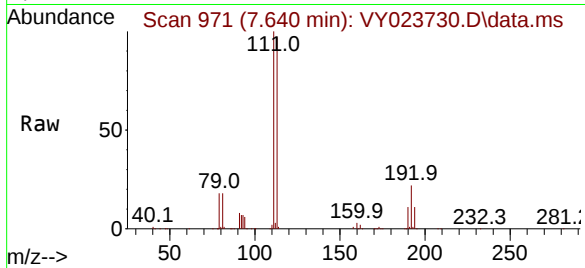




#35
Dibromofluoromethane
Concen: 51.101 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

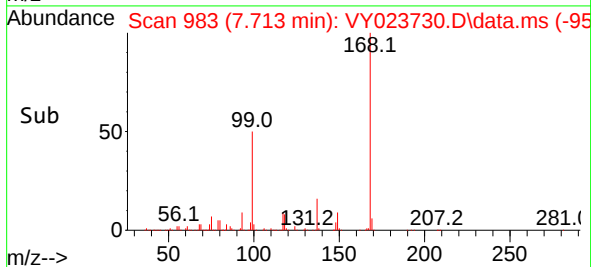
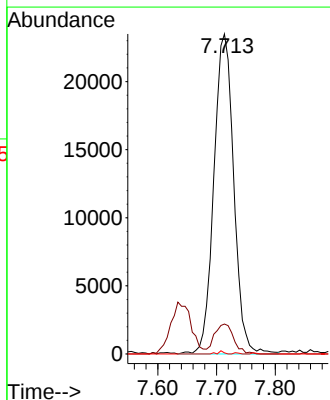
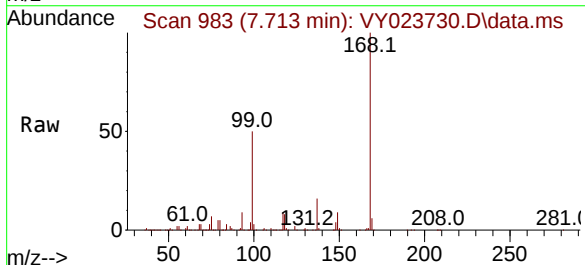
Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

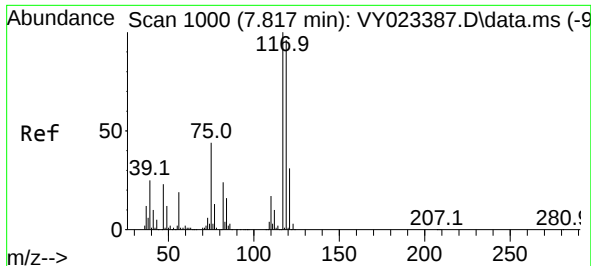
Tgt Ion:113 Resp: 430836
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 21.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.953 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

Tgt Ion: 75 Resp: 55280
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.7#
77 0.3 25.0 37.6#

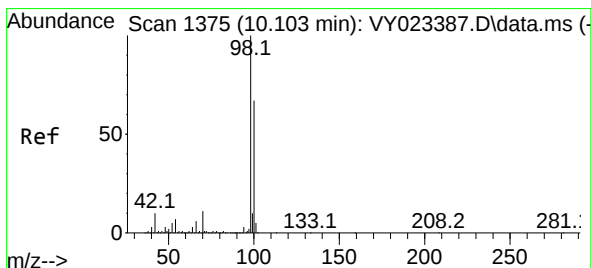
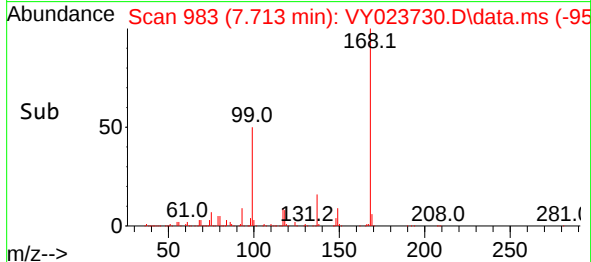
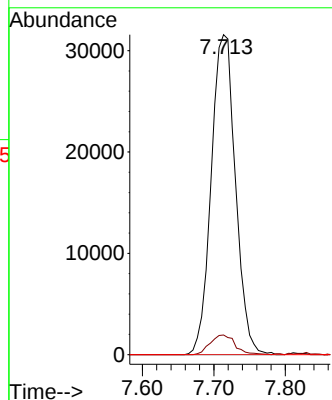
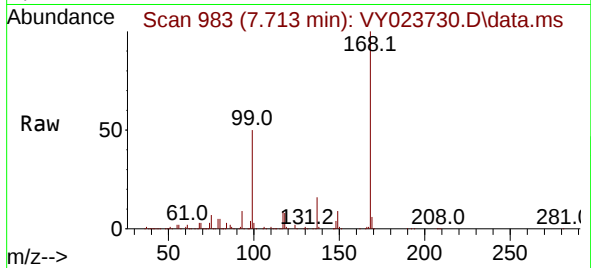




#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

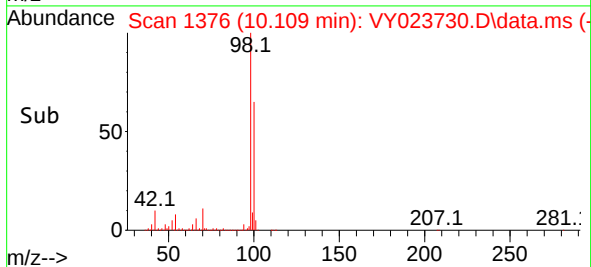
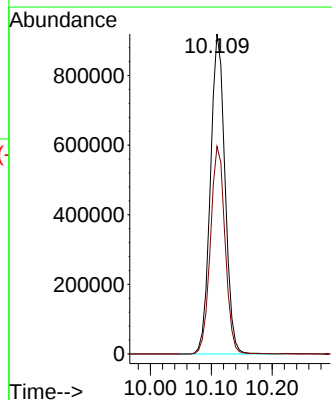
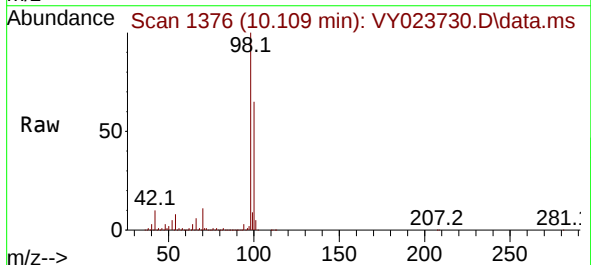
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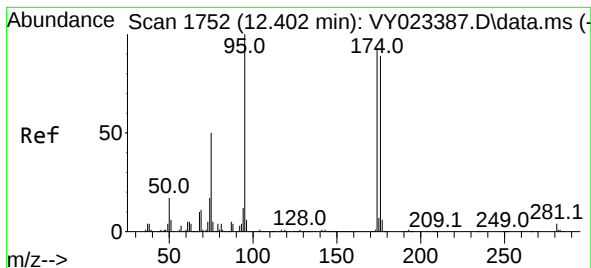
Tgt Ion:117 Resp: 74415
Ion Ratio Lower Upper
117 100
119 6.2 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.573 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

Tgt Ion: 98 Resp: 1525090
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

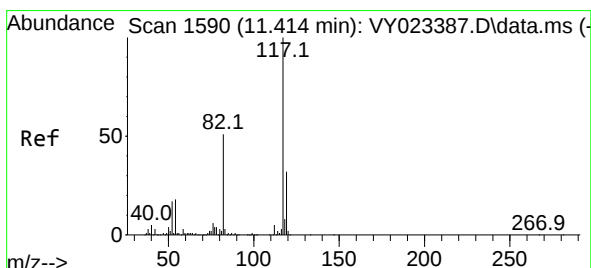
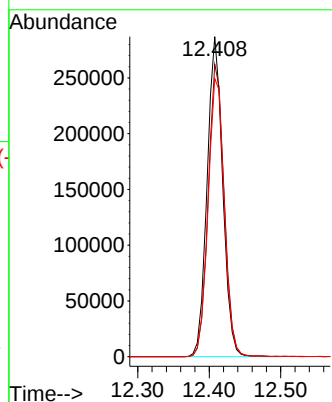
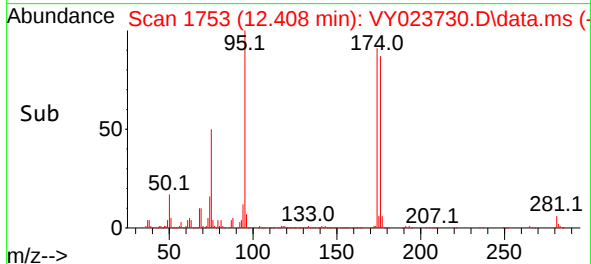
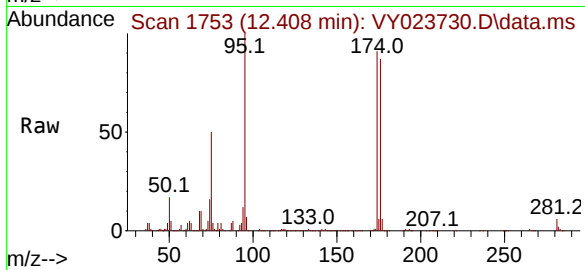




#62
4-Bromofluorobenzene
Concen: 41.939 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

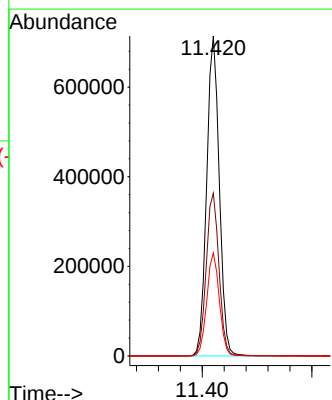
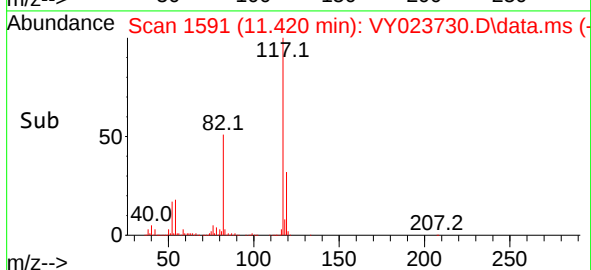
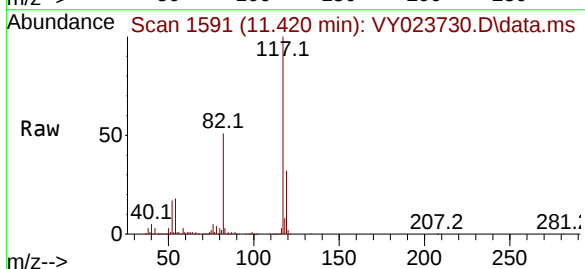
Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

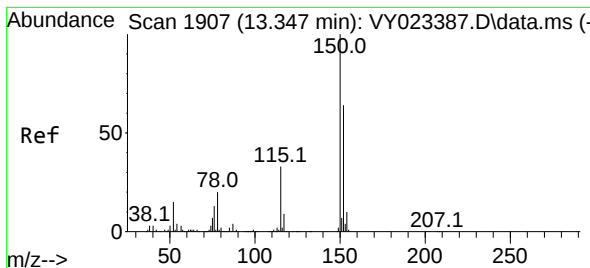
Tgt Ion: 95 Resp: 434745
Ion Ratio Lower Upper
95 100
174 93.7 0.0 192.8
176 90.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023730.D
Acq: 11 Nov 2025 11:03

Tgt Ion: 117 Resp: 1134523
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.4
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023730.D

Acq: 11 Nov 2025 11:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1111SBL01

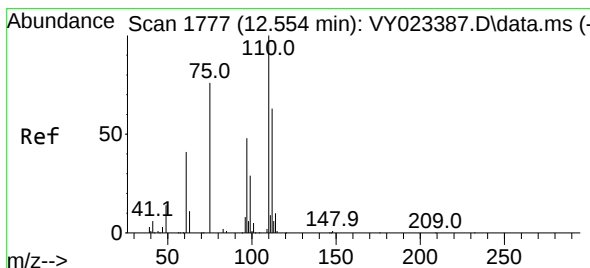
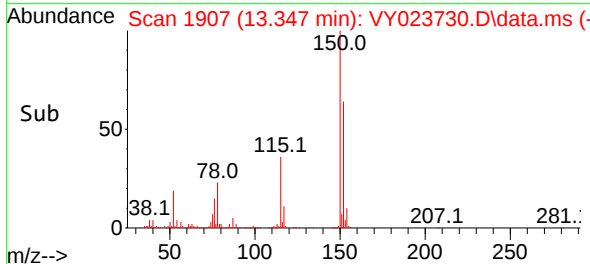
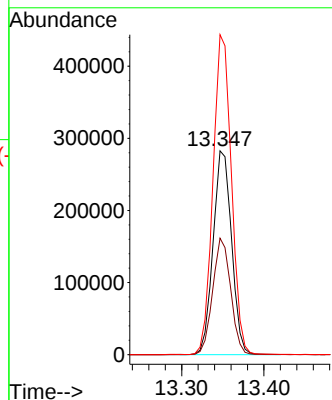
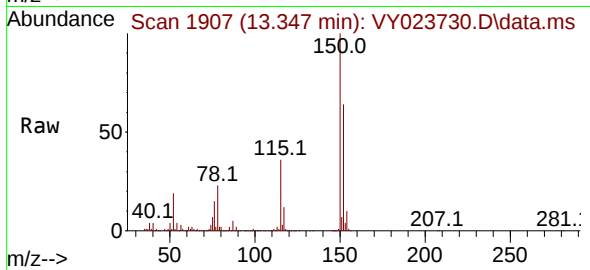
Tgt Ion:152 Resp: 441999

Ion Ratio Lower Upper

152 100

115 55.5 27.1 81.2

150 156.3 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 55.548 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023730.D

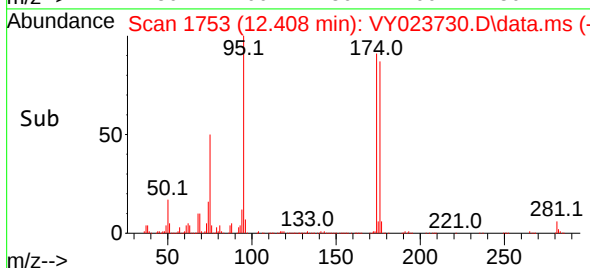
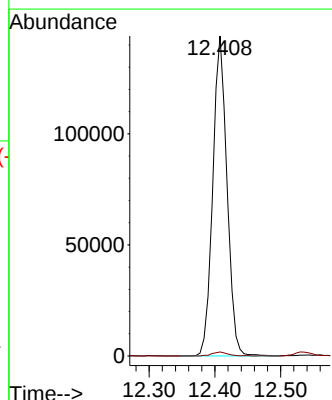
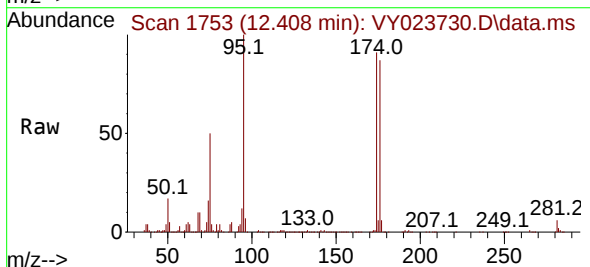
Acq: 11 Nov 2025 11:03

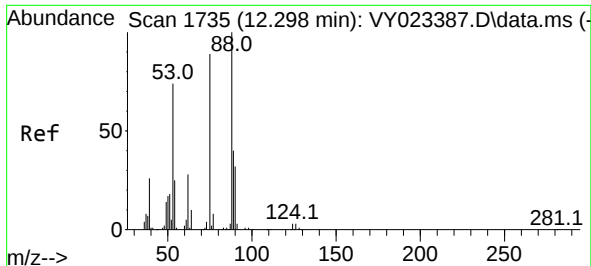
Tgt Ion: 75 Resp: 216617

Ion Ratio Lower Upper

75 100

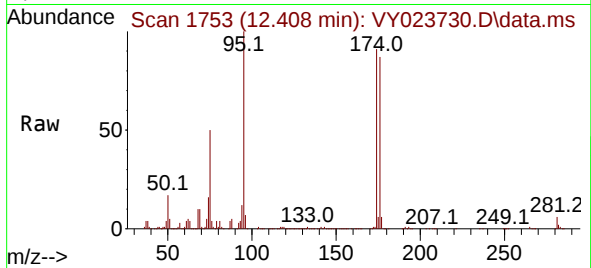
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.215 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023730.D
 Acq: 11 Nov 2025 11:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1111SBL01



Tgt Ion: 75 Resp: 216617
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.1 39.0 58.4#

