

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023726.D
 Acq On : 10 Nov 2025 19:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 11 02:12:16 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)

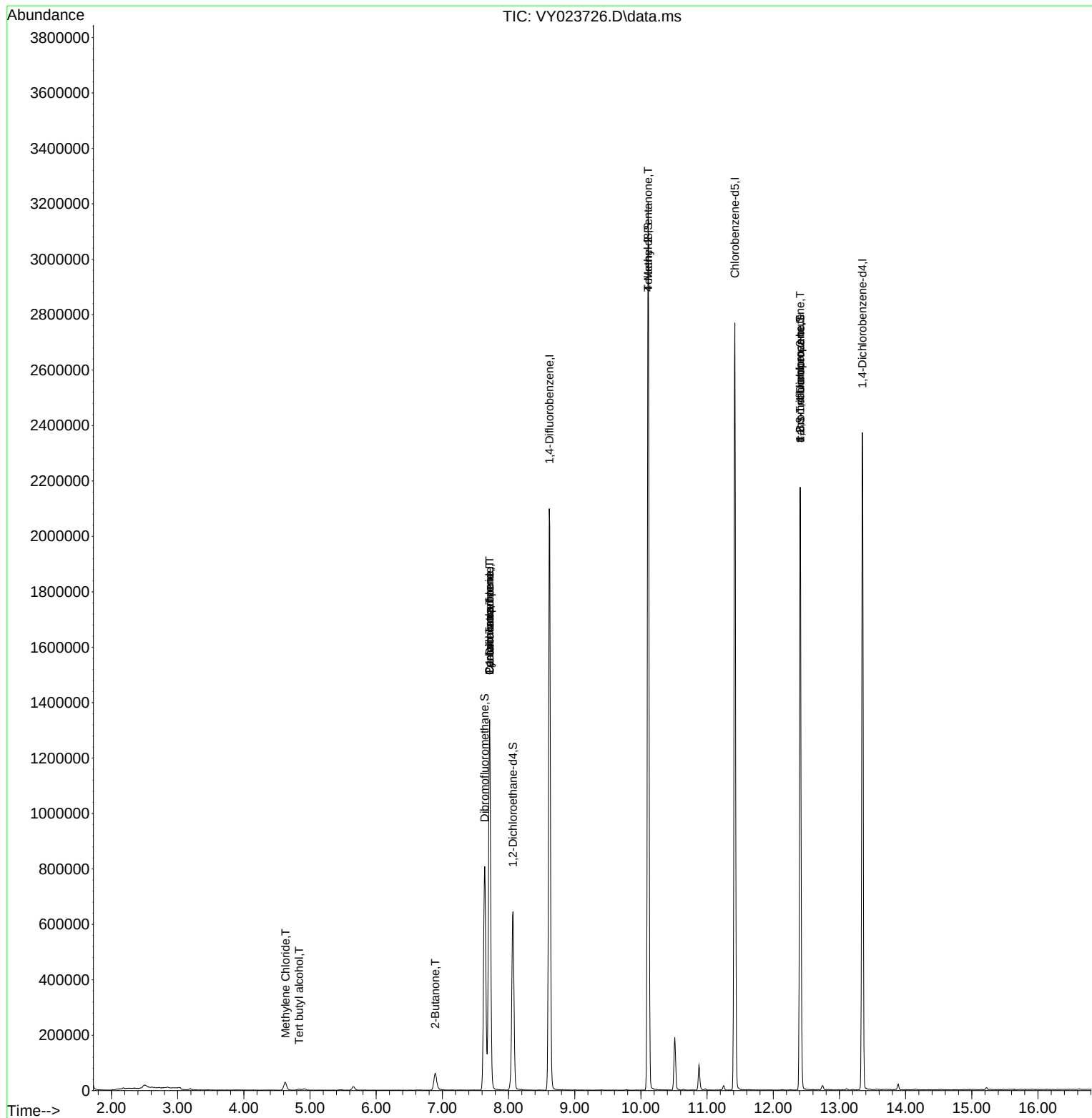
Internal Standards						
1) Pentafluorobenzene	7.713	168	1126167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1883639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1580561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	636477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	489916	52.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.040%	
35) Dibromofluoromethane	7.640	113	584390	50.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.109	98	2100728	48.737	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.408	95	612819	43.064	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	2508	3.580	ug/l #	72
20) Methylene Chloride	4.629	84	22997	1.897	ug/l	97
25) 2-Butanone	6.890	43	3454	1.262	ug/l #	80
31) Cyclohexane	7.713	56	17944	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	73762	4.814	ug/l #	48
38) Carbon Tetrachloride	7.713	117	104097	5.603	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	7771	1.243	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	299282	53.296	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	299282	130.693	ug/l #	15

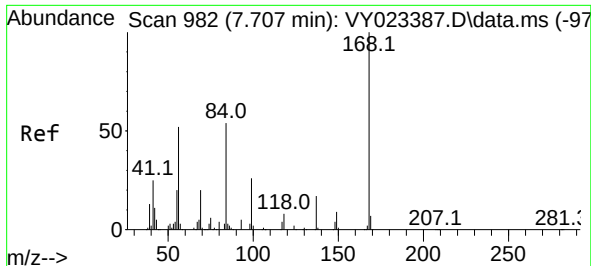
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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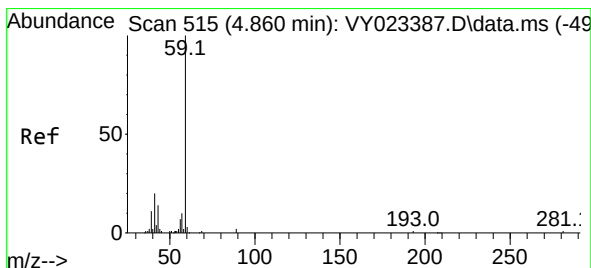
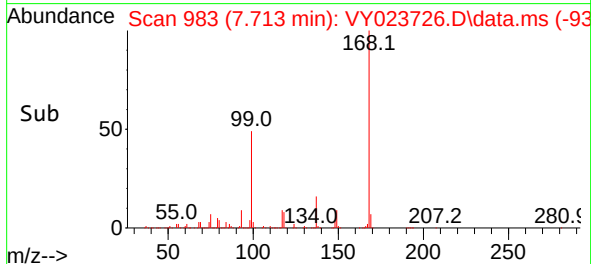
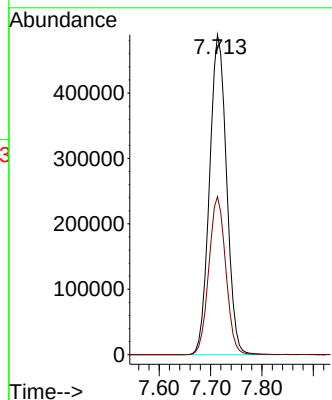
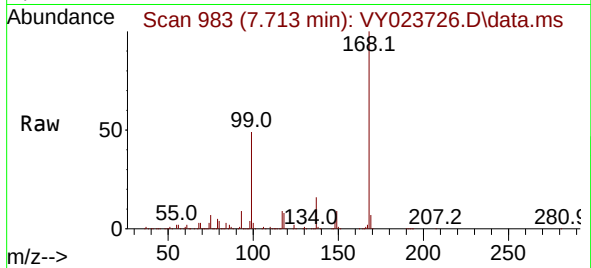




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

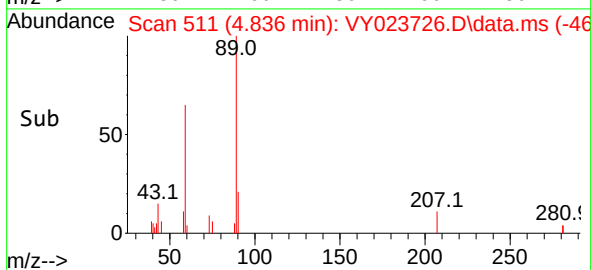
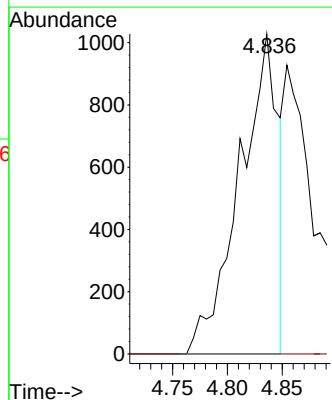
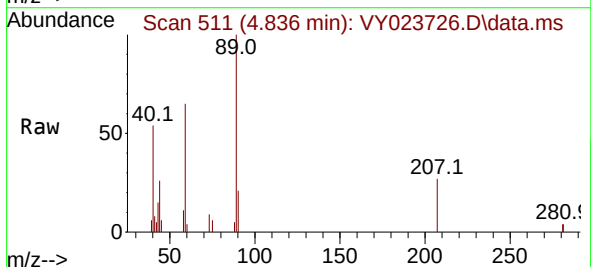
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

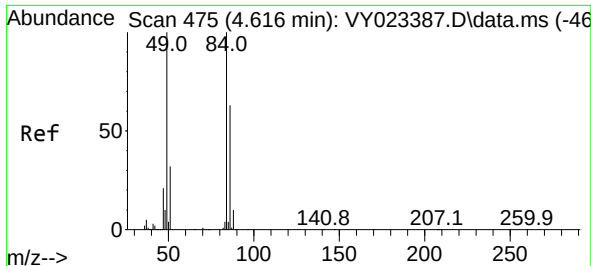
Tgt Ion:168 Resp: 1126167
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5



#11
Tert butyl alcohol
Concen: 3.580 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

Tgt Ion: 59 Resp: 2508
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

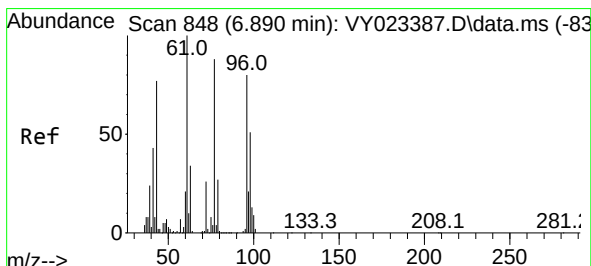
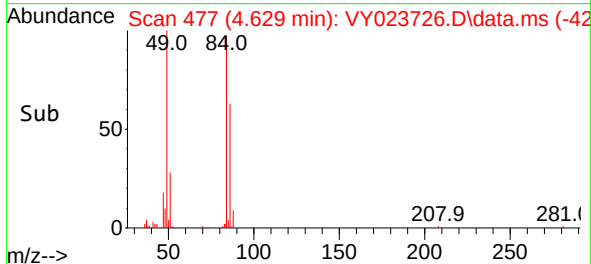
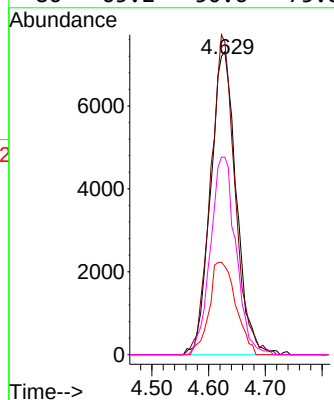
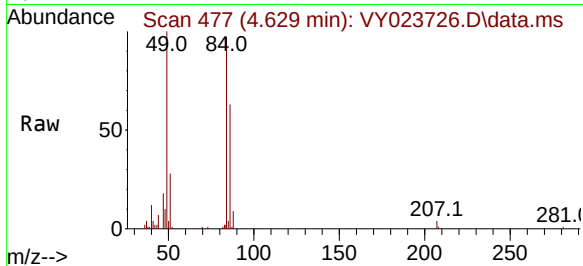




#20
Methylene Chloride
Concen: 1.897 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

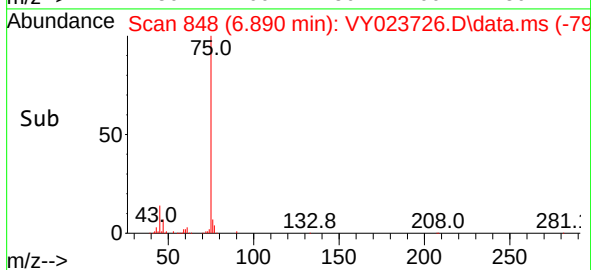
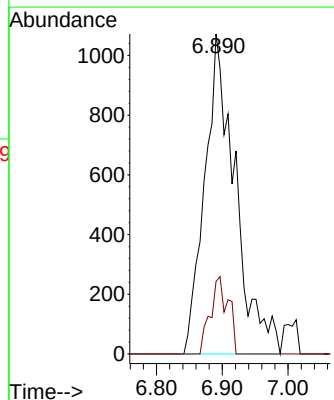
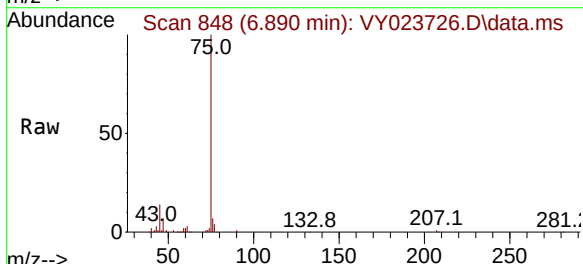
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

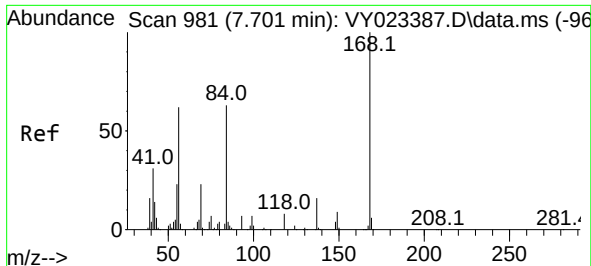
Tgt Ion:	84	Resp:	22997
Ion	Ratio	Lower	Upper
84	100		
49	103.2	80.2	120.4
51	29.1	25.9	38.9
86	65.2	50.6	75.8



#25
2-Butanone
Concen: 1.262 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

Tgt Ion:	43	Resp:	3454
Ion	Ratio	Lower	Upper
43	100		
72	22.7	27.4	41.2#

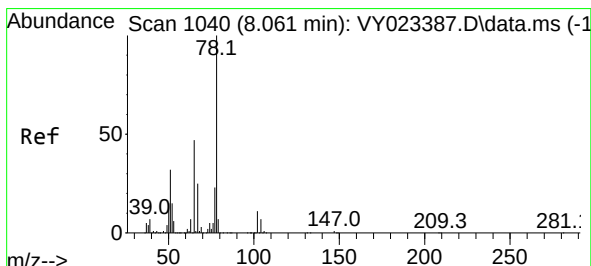
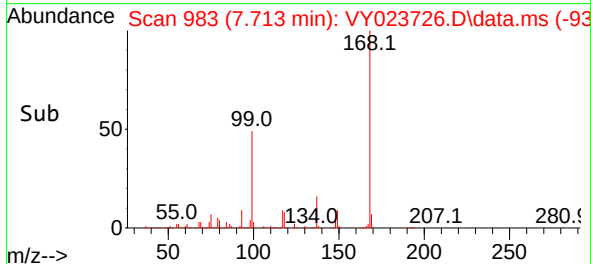
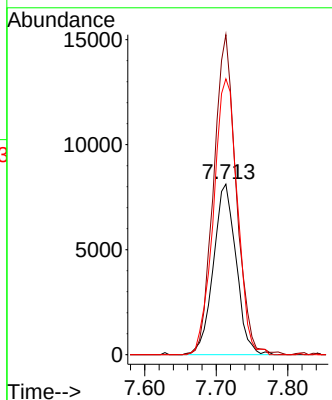
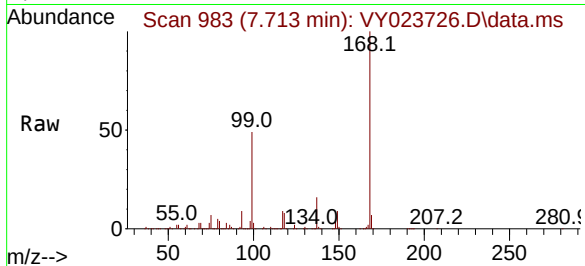




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

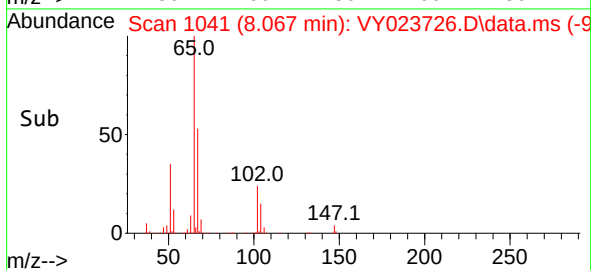
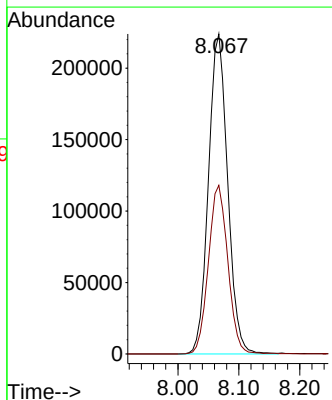
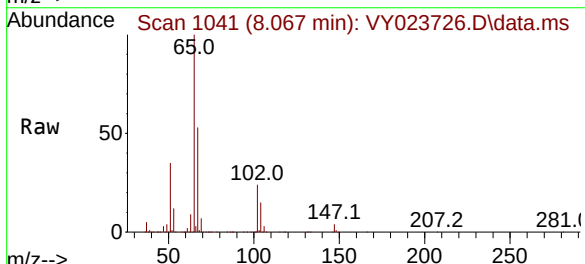
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

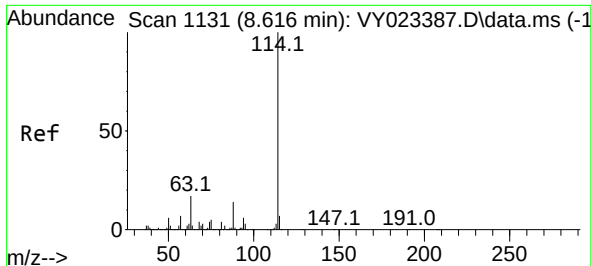
Tgt Ion: 56 Resp: 17944
Ion Ratio Lower Upper
56 100
69 187.6 30.0 45.0#
84 161.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 52.024 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

Tgt Ion: 65 Resp: 489916
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8

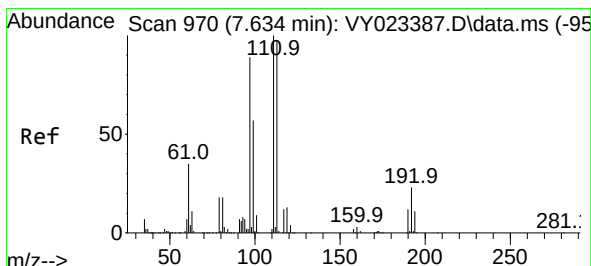
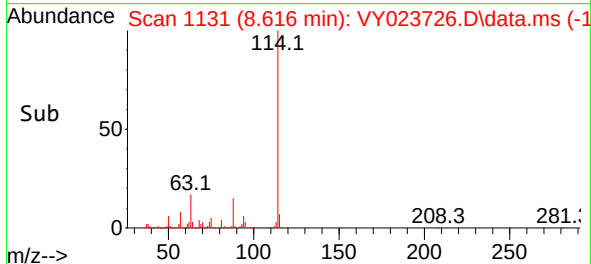
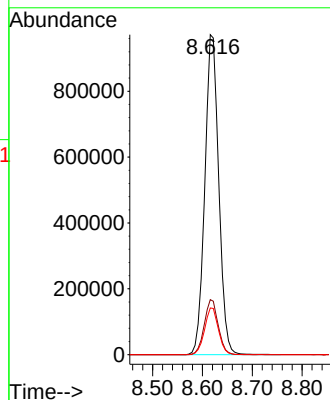
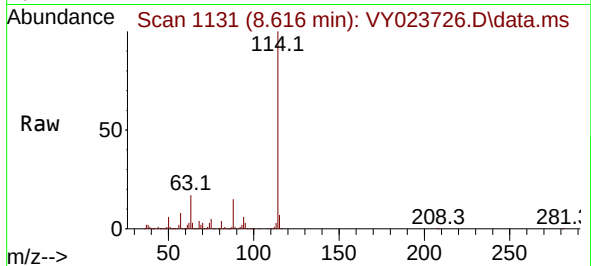




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

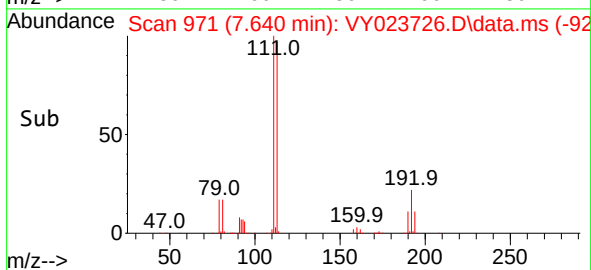
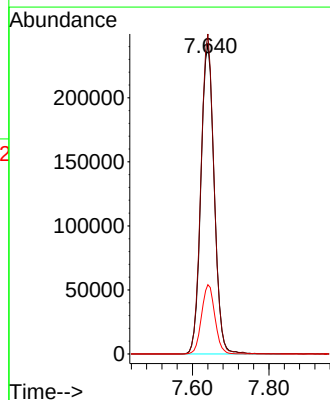
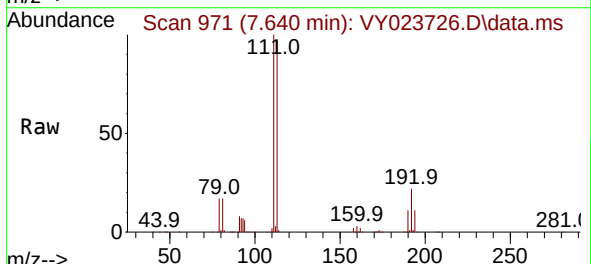
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

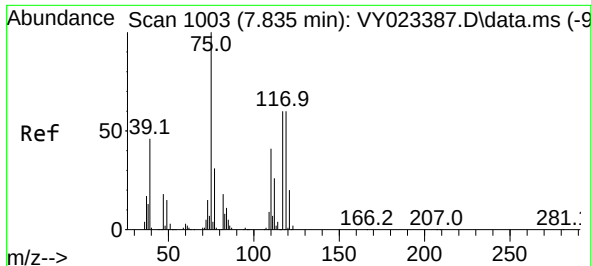
Tgt Ion:114 Resp: 1883639
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.491 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

Tgt Ion:113 Resp: 584390
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023726.D

Acq: 10 Nov 2025 19:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

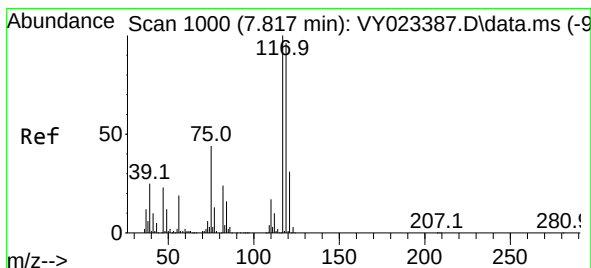
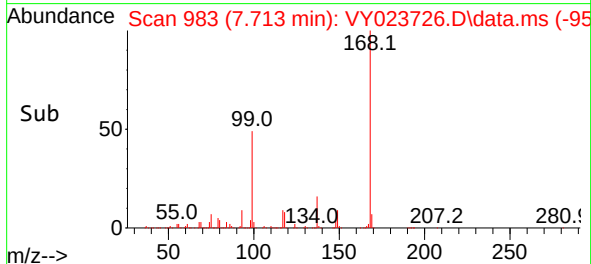
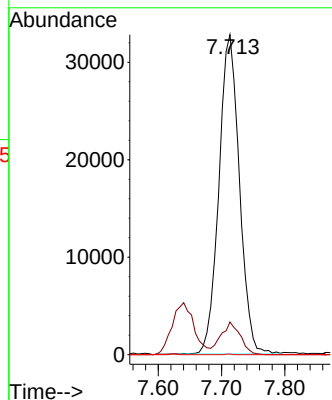
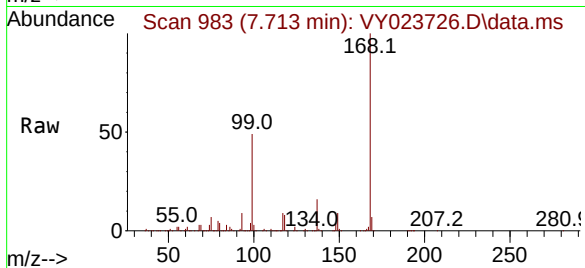
Tgt Ion: 75 Resp: 73762

Ion Ratio Lower Upper

75 100

110 9.6 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.603 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023726.D

Acq: 10 Nov 2025 19:38

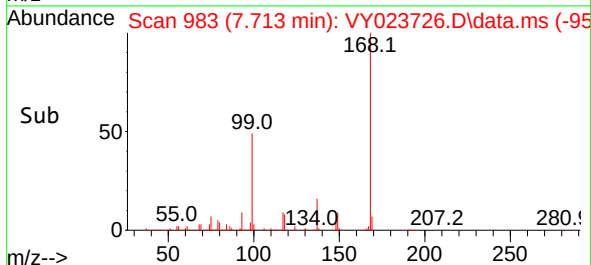
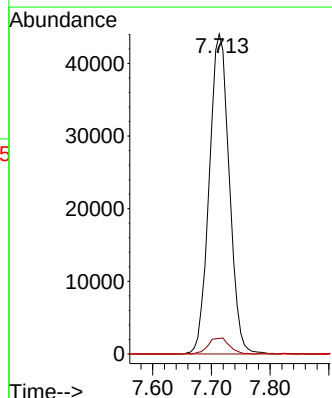
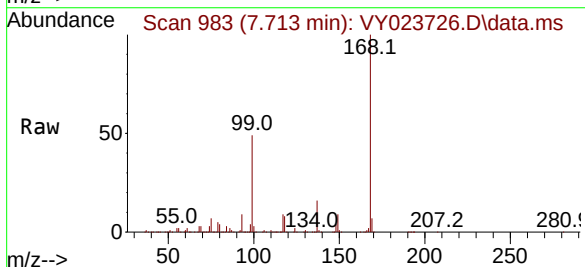
Tgt Ion: 117 Resp: 104097

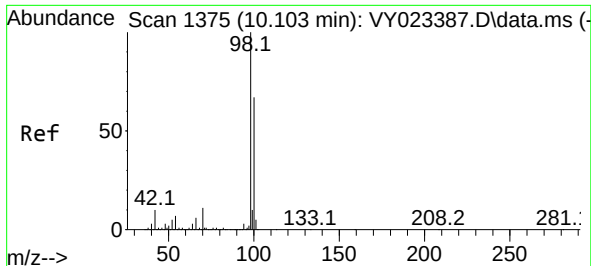
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

121 0.0 24.5 36.7#

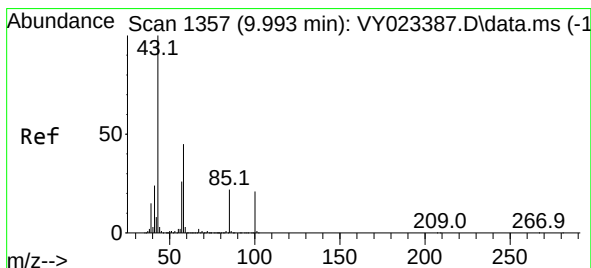
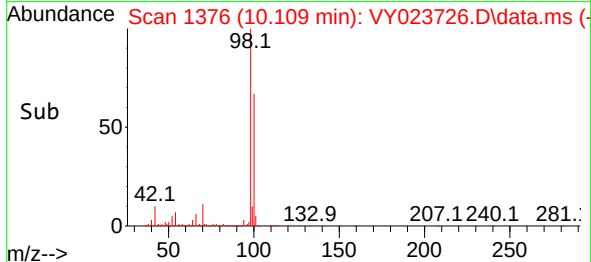
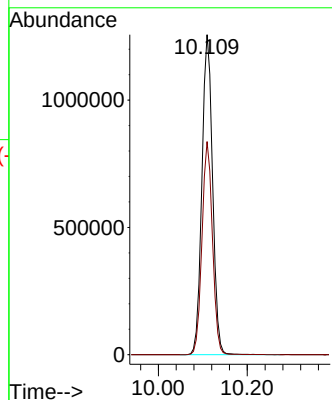
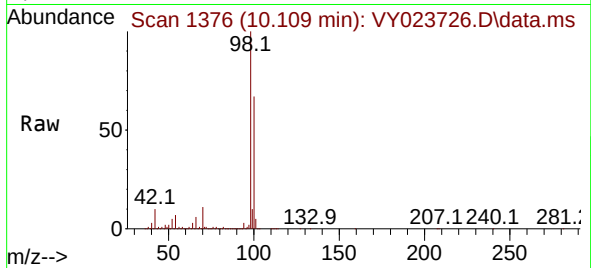




#50
Toluene-d8
Concen: 48.737 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

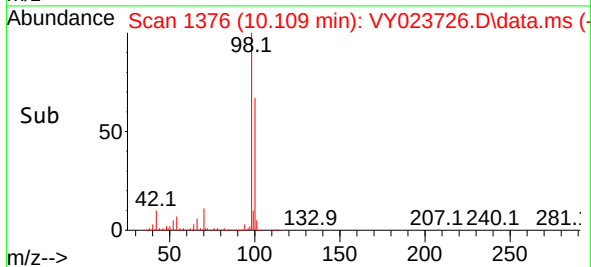
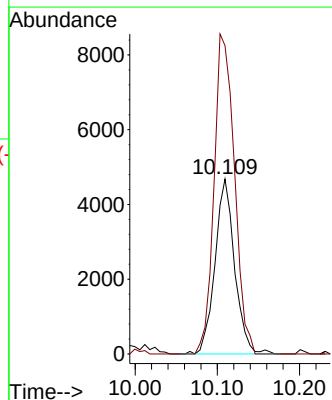
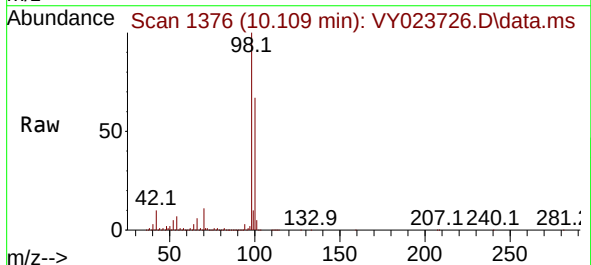
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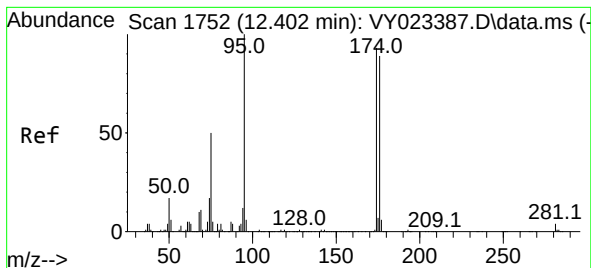
Tgt Ion: 98 Resp: 2100728
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.243 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

Tgt Ion: 43 Resp: 7771
Ion Ratio Lower Upper
43 100
58 189.8 35.3 52.9#

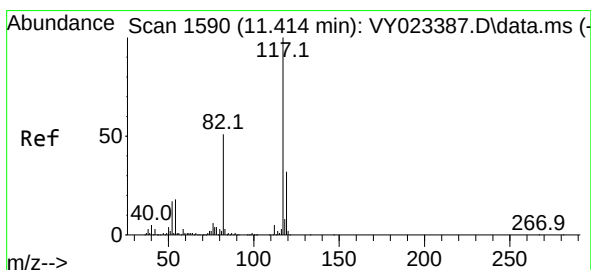
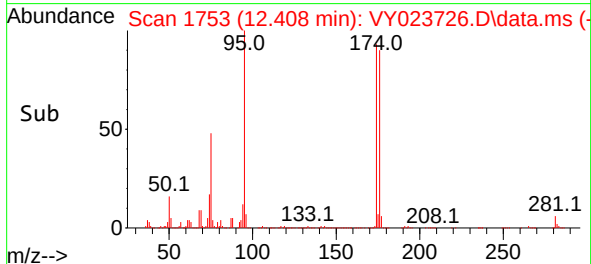
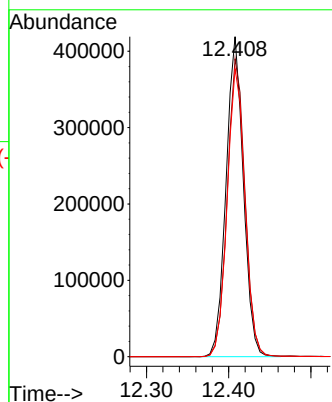
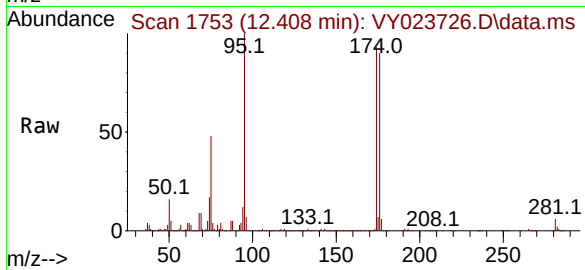




#62
4-Bromofluorobenzene
Concen: 43.064 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

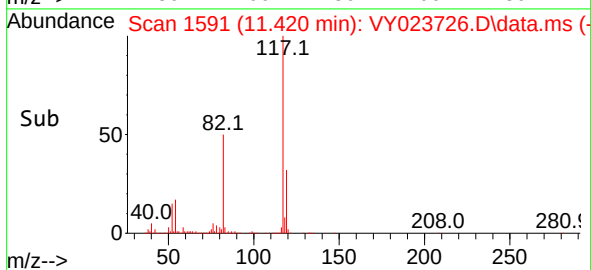
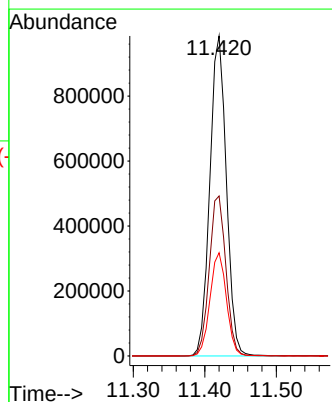
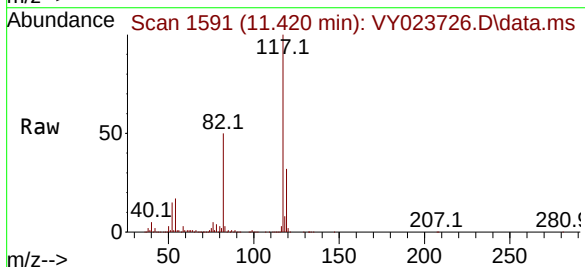
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

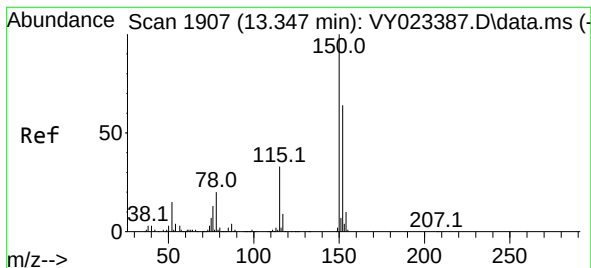
Tgt Ion: 95 Resp: 612819
Ion Ratio Lower Upper
95 100
174 95.7 0.0 192.8
176 92.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023726.D
Acq: 10 Nov 2025 19:38

Tgt Ion: 117 Resp: 1580561
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.4
119 32.3 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: VY023726.D

Acq: 10 Nov 2025 19:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

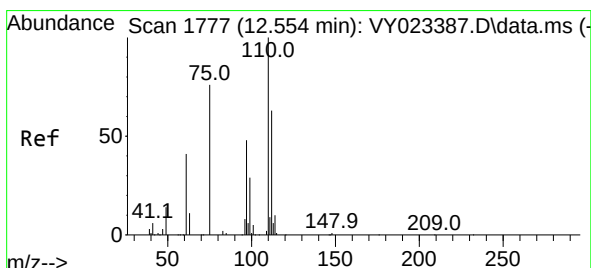
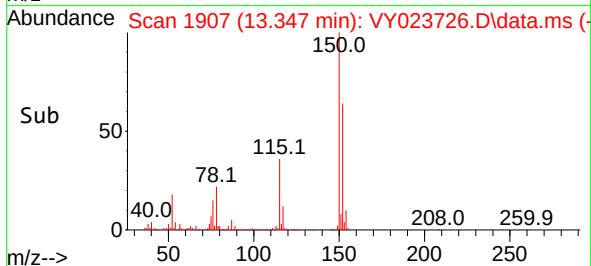
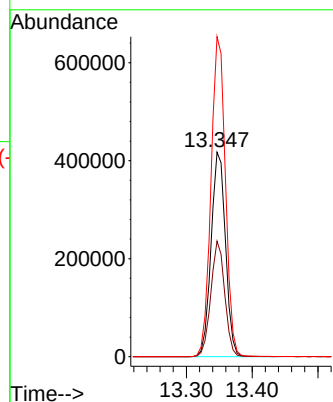
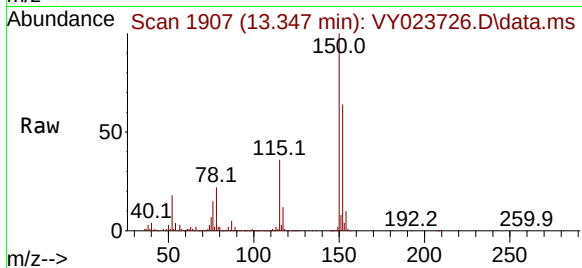
Tgt Ion:152 Resp: 636477

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 156.4 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 53.296 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023726.D

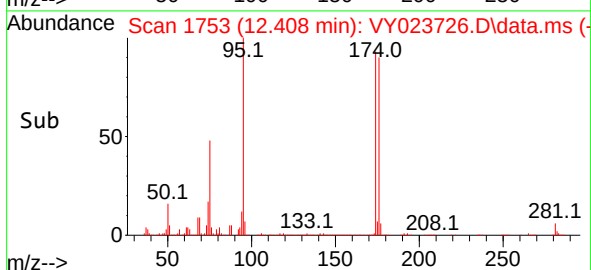
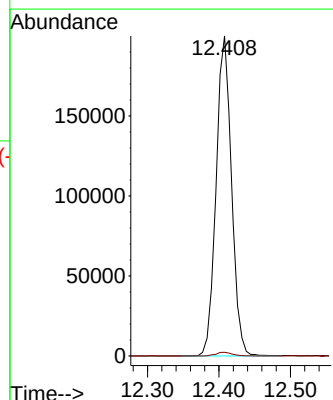
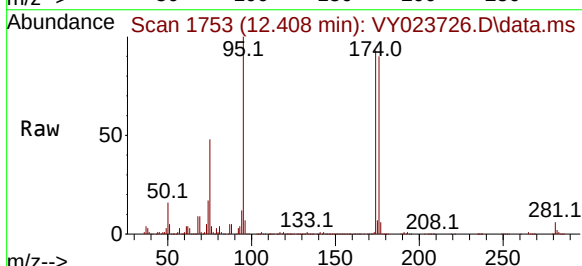
Acq: 10 Nov 2025 19:38

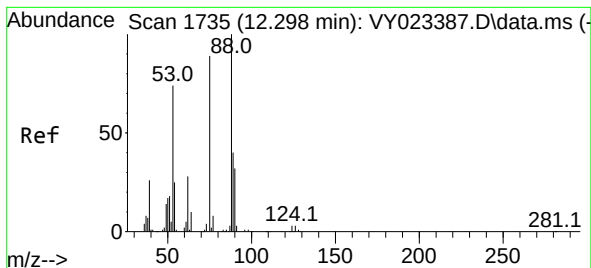
Tgt Ion: 75 Resp: 299282

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.693 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023726.D
 Acq: 10 Nov 2025 19:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 299282
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.1 39.0 58.4#

